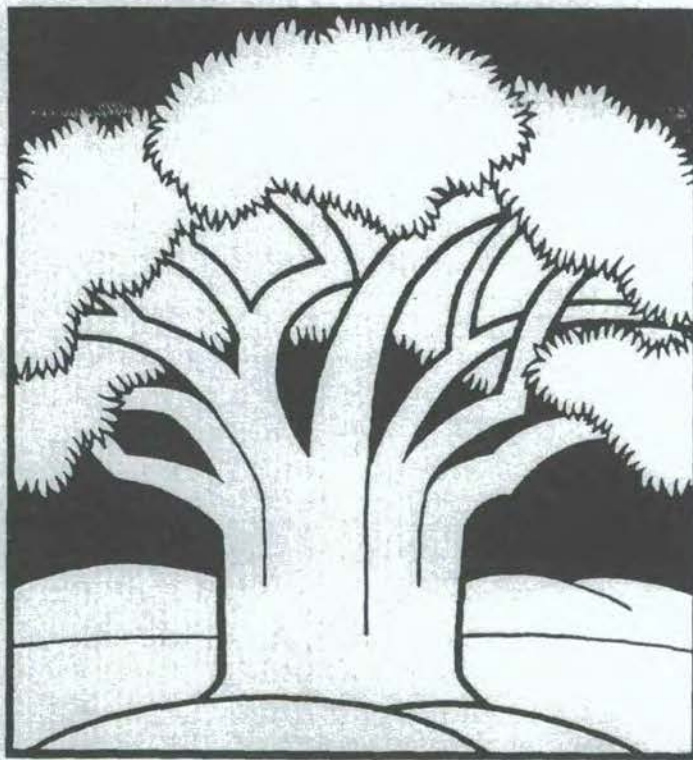


A Sourcebook for Conservation and Biological Diversity Information

Kevin Grose, Eric S. Howard and Cécile Thiéry
Editors



Published by IUCN in collaboration with
UNEP INFOTERRA



A Sourcebook for Conservation and Biological Diversity Information



IUCN — THE WORLD CONSERVATION UNION

IUCN-The World Conservation Union brings together States, government agencies, and a diverse range of non-governmental organizations in a unique world partnership: some 800 members in all, spread across 130 countries.

As a union, IUCN exists to serve its members, to represent their views on the world stage and to provide them with the concepts, strategies and technical support they need to achieve their goals. Through its six Commissions, IUCN draws together over 5,000 expert volunteers in project teams and action groups. A central secretariat coordinates the IUCN Programme and leads initiatives on conservation and sustainable use of the world's biological diversity and the management of habitats and natural resources, as well as providing a range of services. The Union has helped many countries to prepare National Conservation Strategies, and demonstrates the application of its knowledge through the field projects it supervises. Operations are increasingly decentralized and are carried forward by an expanding network of regional and country offices, located principally in developing countries.

IUCN-The World Conservation Union seeks above all to work with its members to achieve development that is sustainable and that provides a lasting improvement in the quality of life for people all over the world.

UNEP

The Stockholm Conference on the Human Environment, convened by the United Nations in 1972 to consider the condition of the environment, called for the elevation of environmental awareness and the promotion of such actions at all levels of society worldwide.

The UNEP mission statement explains what the organization does and why: "UNEP is to provide leadership in caring for the environment by promoting, inspiring, informing, enabling and assisting nations and peoples to improve their quality of life without compromising that of future generations."

UNEP has been at the forefront of conservation efforts and sustainable use of the earth's resources and has assisted in the development of the 1992 Convention on Biological Diversity. In 1994 during the first Conference of the Parties, UNEP was chosen to continue in the capacity of the permanent secretariat for the Convention.

UNEP also continues to administer the 1973 Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) and the 1979 Convention on the Conservation of Migratory Species and Wild Animals (CMS).

The UNEP Biodiversity Programme and Implementation Strategy (BPIS), launched in November 1994, provides the overall framework for the organization's activities in the field of biodiversity. It is fundamentally a multidisciplinary, multi-sectoral approach to the integrated management and sustainable utilization of biodiversity in oceans and coastal areas, freshwater ecosystems and terrestrial ecosystems.

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Kevin Grose, Eric S. Howard and Cécile Thiéry, Editors
Contributors: J. Scott Christenson, Mary Cordiner,
David Dunkley, Sean Gordon, Robert Lamb,
Bernard Mercer,
Mark Stenner, Daniel Wendling

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IUCN
The World Conservation Union



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ACRONYMS & ABBREVIATIONS

APC	Association for Progressive Communications
BIN21	Biodiversity Information Network
BioNet	Biodiversity Action Network
CBD	Convention on Biological Diversity
CD-ROM	Compact disk-read only memory
CIESIN	Consortium for International Earth Science Information Network
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
FAO	Food and Agriculture Organization of the United Nations
GEF	Global Environment Facility
GEMS	Global Environmental Monitoring System
GIS	Geographic information system
GRID	Global Resources Information Database
INTERAISE	International Environmental and Natural Resource Assessment Information Service
IIED	International Institute for Environment and Development
IISD	International Institute for Sustainable Development
INFOTERRA	The Global Environmental Information Exchange Network of UNEP
IPGRI	International Plant Genetic Resources Institute [FAO]
IUCN	The World Conservation Union
IUCN-ELC	IUCN Environmental Law Centre
NCSO	National Commission on Sustainable Development
NFP	UNEP INFOTERRA National Focal Points
SDI	Selective dissemination of information [current awareness]
TVE	Television Trust for the Environment
UNCSD	United Nations Commission on Sustainable Development
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific, and Cultural Organization
WCMC	World Conservation Monitoring Centre
WFCC	World Federation of Culture Collections
WHO	World Health Organization
WRI	World Resources Institute
WWF	World Wide Fund For Nature / World Wildlife Fund
WWW	World Wide Web [Internet]

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Toby Roberts and Sandrine Orodan were of great help in collecting and organizing data. Beth Behrendts of Infoterra-USA, Laura Lee Dooley of World Resources Institute, Holly Reed of Traffic-USA provided data included in Chapter 2. Morag White and Grace Zimmerman provided production assistance.

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*Kevin Grose
Eric S. Howard
Cécile Thiéry
Gland & Washington, DC, August 1995*

Introduction

This Sourcebook has been compiled to provide those concerned with conservation and biological diversity with a guide to expertise and information. It is hoped that it will help build bridges between individuals and organizations; helping all of us to maximize existing sources of expertise and information. The Sourcebook is a kind of "road map" to key organizations, resources, data and services. The sources covered are: organizations, books, periodicals, multi-media CD-ROMs, video films, commercial databases available online or as packaged products (typically in CD-ROM format), and public-access information available over the Internet.

The starting point for this Sourcebook is the expertise and information available in and through three of conservation's leading organizations: IUCN-The World Conservation Union, the United Nations Environment Programme (UNEP) and the World Wide Fund for Nature (WWF). This "triumvirate" produced the World Conservation Strategy in 1980 and its successor, Caring for the Earth in 1991. Through IUCN's membership and voluntary commissions, UNEP's links to governments and WWF's network of national organizations, they provide a framework for cooperation among scientists, researchers and policy experts in government agencies and non-governmental organizations around the world.

In compiling this Sourcebook, it became evident that it would not be possible to provide a comprehensive listing or database of all organizations and information resources related to biological diversity and conservation. Indeed, this task will most likely fall to the Clearinghouse that will be established under the Convention on Biological Diversity. Nevertheless, it is hoped that this Sourcebook will provide a useful starting point for any institution or organization working in this field.

It should be noted that a growing number of biodiversity management programmes have turned to the Internet and other electronic data programmes to enhance their communications infrastructure. As some Sourcebook users may not be familiar with computerized information resources, basic information on Internet and other electronic sources has been included.

Chapter 1 provides an overview of key international policy and information resources. It focuses on a selection of organizations and/or programmes affiliated with IUCN, UNEP, and/or WWF. In addition, a small number of other organizations have been included because of their importance.

Chapter 2 is a directory of contacts: IUCN Regional and Country Offices, UNEP Regional and Country Offices and WWF Offices and National Organizations. It also lists the offices of National Commissions on Sustainable Development (NCSs) and the UNEP-Infoterra National Focal Points (NFPs), thereby giving at least one contact for nearly every country in the world. This publication marks the first time that information on IUCN offices and UNEP Infoterra NFPs have been combined under one cover. Offices of the WWF/IUCN sponsored TRAFFIC network are included. Information on the libraries, documentation centres and databases maintained by IUCN members are listed [based on data collected as part of an IUCN survey conducted in 1994].

Chapters 3-6 provide guidance to important literature, information systems, services, electronic networks, and audio-visual materials that have been tried and tested and/or recommended -- all with a focus on conservation and biodiversity. As with the organizations listed in Chapters 1-2, these sources are not the only information resources available, but can be used to direct the user to more extensive holdings, when necessary. Also note that some of the resources produced by organizations listed in Chapters 1-2 have not been reproduced in chapters 3-6 in order to save space.

An index is included at the end of the text, and for the electronic version of the Sourcebook each record is tagged to help the user find the information. The "tagging" is based on a system used by the International Institute for

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Sustainable Development (IISD) in their Sustainable Development Sourcebook¹. The electronic version will be available through the UNEP INFOTERRA Gopher. Electronic distribution will allow greater dissemination at lower cost and also make easier the task of producing a second edition.

In the text itself, space is provided for updating existing entries. For example, telex and electronic mail addresses for listed organizations are left blank if information was not available, but the space was left free to allow for easier updates by users in their personal copies and by the editors in subsequent editions.

¹ SOURCEBOOK ON SUSTAINABLE DEVELOPMENT. Labelle (R). 1992: 134pp. Winnipeg, Manitoba, CANADA: International Institute for Sustainable Development.

Chapter 1. Libraries, Information Services and Databases

International Sources of Expertise and Information

The first chapter provides an overview of international policy and information resources. IUCN, UNEP and WWF organizations and/or programmes are included as are a small number of other organizations because of their importance in this field:

- 1.1 BIN21: Biodiversity Information Network
- 1.2 BioNet: Biodiversity Action Network
- 1.3 CIESIN: Consortium for International Earth Science Information Network
- 1.4 CITES: Convention on International Trade in Endangered Species
- 1.5 CBD: Convention on Biological Diversity
- 1.6 FAO: Food and Agriculture Organization of the United Nations
- 1.7 Global Biodiversity Strategy Programme
- 1.8 GEF: Global Environment Facility
- 1.9 INTERAISE: International Environmental and Natural Resource Assessment Information Service
- 1.10 IIED: International Institute for Environment and Development
- 1.11 IISD: International Institute for Sustainable Development
- 1.12 IUCN-The World Conservation Union
 - IUCN Environmental Law Centre
- 1.13 TRAFFIC International
- 1.14 UNCSO: United Nations Commission on Sustainable Development
- 1.15 UNDP: United Nations Development Programme
- 1.16 UNEP: United Nations Environment Programme
 - 1.16.1 Division of Environmental Assessment
 - 1.16.1.1 Global Environment Monitoring Systems (GEMS)
 - 1.16.1.2 Global Resources Information Database (GRID)
 - 1.16.2 Biodiversity Programme and Implementation Strategy (BPIS)
 - 1.16.3 INFOTERRA Programme Activity Centre
 - 1.16.3.1 INFOTERRA Special Sectoral Sources
- 1.17 UNESCO Man and the Biosphere Programme
- 1.18 World Bank and Regional Development Banks
 - African Development Bank (Abidjan)
 - Asian Development Bank (Manila)
 - Inter-American Development Bank (Washington, DC)
 - European Bank for Reconstruction & Development (London)
 - World Bank and International Monetary Fund (Washington, DC)
- 1.19 WCMC: World Conservation Monitoring Centre
- 1.20 WWF: World Wide Fund for Nature [World Wildlife Fund]

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1.1 BIN21

2 Contact: Dora Canhos, Coordinator
Biodiversity Information Network, c/o Fundacao Tropical des Pesquisas e Tecnologia, Rua Latino Coelho
1301 Parque Taquarai, Campinas, SP 13087-010, Brazil
Tel: (55-192) 427-022
Fax: (55-192) 427-827
Telex:
E-mail: bin21@ftpt.br
WWW: [http://www.ftpt.br / bin21/bin21.html](http://www.ftpt.br/bin21/bin21.html)

3 Description

The Biodiversity Information Network (BIN21) is an international organization designed to link and coordinate the activities of agencies and network information sites concerned with biodiversity. Following two UNEP-supported international workshops, BIN21 was created to support the Convention on Biological Diversity and the Agenda 21 as adopted by the UN Conference on Environment and Development, the "Earth Summit", Rio de Janeiro in June 1992.

4 Key Information Resources

BIN21 maintains pointers to network information resources relevant to biodiversity as well as a number of mailing lists (discussion groups) noted below:

- biodiv-L@ftpt.br - discussing general topics concerning the establishment of the biodiversity information network
- bin-tech@ftpt.br - discussing technical aspects related to BIN21
- bin-reach@ftpt.br - discussing BIN21 community networking and outreach

BIN21 consists of a series of participating organizations or nodes, in which each node supports the aims of BIN21 and contributes their own specialist information and network of experts. Each organization maintains databases which can be accessed:

Australia

- o Australian National University (<http://life.anu.edu.au>)
BIN21 home page: <http://life.anu.edu.au/biodiversity/bin21/bin21.html>
- o Australian National Botanic Gardens (<http://155.187.10.12/index.html>)
- o Department of Environment and Land Management, Tasmania (<http://147.109.8.1/tpws.html>)

Brazil

- o Base de Dados Tropical (BDT) (<http://www.ftpt.br>)
BIN21 home page: <http://www.ftpt.br/bin21/bin21.html>

Costa Rica

- o INBio (<http://www.inbio.ac.cr>)

Ecuador

- o Fundación "Federación Internacional de Sociedades Científicas" (FISS), y la Fundación Maquipucuna (<http://fiss.org.ec>)
BIN21 home page (spanish): <http://fiss.org.ec/BioBanco/bin21-home/bin-21.html>

Finland

- o Finnish Forest Research Institute (METLA) (<http://www.metla.fi>)
BIN21 home page: <http://www.metla.fi/biodiversity/bin21/bin21.html>

Italy

- o International Centre for Genetic Engineering and Biotechnology (<http://www.icgeb.trieste.it>)

Japan

- o WFCC World Data Center on Microorganisms (WDCM) (<http://www.wdcm.riken.go.jp>)
BIN21 home page: <http://www.wdcm.riken.go.jp/bin21/bin21.html>

Libraries, Information Services and Databases

United Kingdom

- o World Conservation Monitoring Centre (WCMC) (<http://www.wcmc.org.uk>)

United States

- o Biodiversity and Ecosystems Network (BENE) (<http://straylight.tamu.edu/bene/bene.html>)

BIN21 home page: <http://straylight.tamu.edu/bin21/bin21.html>

1.2 Biodiversity Action Network (BioNet)

- *2* Contact: Sheldon Cohen, Coordinator
BioNet, 424 C Street NE, Washington, DC 20002, USA
Tel: (1-202) 547-8902
Fax: (1-202) 544-8483
Telex:
E-mail: bionet@igc.apc.org

3 Description

The Biodiversity Action Network is a growing network of US NGOs that work together to protect biodiversity by improving treaties, laws and policies. BioNet is motivated by the desire of NGOs to have greater influence on the implementation of the Convention on Biological Diversity. It also serves as a supporting entity for a range of other biodiversity protection projects and campaigns.

4 Key Information Resources

Document service includes general information on biodiversity, conservation and sustainable use.

General information on the Biodiversity Convention, the Global Environment Facility

General information on other NGO networks internationally.

WWW home page is under development.

1.3 Consortium for International Earth Science Information Network

- *2* Contact: Mr. Fred Zimmerman
CIESIN User Services, 2250 Pierce Road, University Center, MI 48710 USA
Tel: (1-517) 797-2727
Fax: (1-517) 797-2622
Telex:
E-mail: ciesin.info@ciesin.org

3 Description

CIESIN is a consortium of universities, research institutes and organizations with the goal of improving access to and enhancing the use of global change information for decision-makers. Emphasis includes three topic areas, each with a biodiversity or conservation component: (a) human dimensions of global and regional environmental change, (b) sustainable development, and (c) natural disaster research and reduction. CIESIN provides information services, clearinghouse functions, and support training.

The CIESIN Information Cooperative aids the global distribution of information and provides an access system to socioeconomic, environmental, public health, and policy-relevant data and information. Active partners in the Cooperative include IUCN, UNEP-GRID, WCMC, WHO, the World Bank, the International Geosphere-Biosphere Programme (IGBP), the World Climate Research Programme (WCRP) and other institutions from around the world.

4 Key Information Resources

Publications from CIESIN are mainly in electronic format. The information can be obtained from their WorldWideWeb (WWW). Available are: CIESIN Kiosk, an interactive electronic forum containing unpublished

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scientific and technical papers and an electronic library. The IUCN Publications Database and the full text of Caring for the Earth are available. The CIESIN Policy Instruments Database contains data from the IUCN Environmental Law Centre. An example of a search on the CIESIN system can be found in Chapter 5.

WWW: <http://www.ciesin.org>

Gopher: <gopher.ciesin.org>

FTP: <ftp.ciesin.org>

E-mail access to FTP: mailftp@ciesin.org

1.4 CITES: Convention on International Trade in Endangered Species of Wild Fauna and Flora

2

Contact: CITES Secretariat

15 chemin des Anémones, CH-1219 Châtelaine-Geneva, Switzerland

Tel: (41-22) 979-9139

Fax: (41-22) 797-3417

Telex: 415391

E-mail: cites@unep.ch

3 Description

CITES establishes the international legal framework for the prevention of trade in endangered species and for an effective regulation of trade in others. It gives producer and consumer countries their share of the joint responsibility, creates the necessary means for the international cooperation which is essential for fulfilling this responsibility, provides for the monitoring of international trade and identifies the species of wild fauna and flora falling in a recognized category of threat. Listed species are given varying levels of protection depending on potential and existing threats to them. The lists, or Appendices to CITES, can be amended every two years by Meeting of the Conference of the Parties or in between meetings when urgent action is required.

4 Key Information Resources

The Secretariat undertakes scientific and technical studies and surveys, including policy studies, and prepares official documentation for meetings of the Conferences of the Parties and other bodies established under the Convention. These include publishing methods of identifying species. It periodically publishes the Appendix lists and other reports. The IUCN Species Survival Commission publishes: CITES : a conservation tool. a guide to amending the Appendices to the Convention on International Trade in Endangered Species of Wild Fauna and Flora which is available from IUCN SSC, 219c Huntingdon Rd., Cambridge CB3 0DL, United Kingdom or iucn-ssc@wcmc.org.uk

1.5 Convention on Biological Diversity

2

Contact: Calestous Juma, Executive Secretary

15, chemin des Anémones, C.P. 356, CH-1219 Châtelaine-Geneva, Switzerland

Tel: (41-22) 979-9111

Fax: (41-22) 797-2512

Telex:

E-mail: @unep.ch

3 Description

The Convention on Biological Diversity was opened for signature in Rio de Janeiro in June 1992 during the United Nations Conference on Environment and Development. The Convention promotes: conservation of biological diversity, sustainable use of the components of biological diversity and fair and equitable sharing of the benefits arising out of the utilization of genetic resources. A secretariat was established under the Convention to discharge functions outlined in the Convention and agreed by the Conference of the Parties.

A Clearing-house mechanism will be established to facilitate the exchange of expertise and information. Areas for

Libraries, Information Services and Databases

cooperation may include information on: national strategies, plans and programmes, including legislation, for implementing the Convention; expertise and access to technical and scientific data; programmes and projects on conservation of biodiversity and sustainable use; methodologies and technologies for assessing and valuing biological resources and for analyzing requirements for their conservation and sustainable use; benefits to be derived from the use of genetic resources and sharing of benefits from such use; traditional knowledge to conserve biological diversity and sustainably use its components; and socio-economic research.

4 Key Information Resources

The Secretariat undertakes scientific and technical studies and surveys, including policy studies, and prepares official documentation for meetings of the Conferences of the Parties and other bodies established under the Convention.

1.6 Food and Agriculture Organization of the United Nations

2 Contact: Ms Nora McKeon, Office for External Relations
FAO, Viale delle Terme di Caracalla, Rome 00100, Italy
Tel: (39-6) 5225 3852
Fax: (39-6) 5225-3152
Telex: 625853 faoi
E-mail: nora.mckeon@fao.org

3 Description

The Food and Agricultural Organization of the United Nations (FAO) was founded in Quebec City (Canada) in 1945 and is the largest of the United Nations specialized agencies. FAO has 169 member nations, one associate member (Puerto Rico) and one member organization (the European Union). The preamble of the FAO constitution states the organization's goals as "rising levels of nutrition and standards of living of the peoples under their respective jurisdictions; securing improvements in the efficiency and the production of all food and agricultural products; bettering the condition of rural populations; and thus contributing toward an expanding world economy and ensuring humanity's freedom from hunger".

As the leading international body for food and agriculture, FAO has four main functions: to provide technical advice and assistance; to collect, analyze and disseminate information on food, nutrition, agriculture, fisheries and forestry; to offer independent advice to governments, international organizations and non-governmental organizations and provide a forum where groups can meet and discuss food and agricultural issues.

4 Key Information Resources

The organization functions as an information centre, collecting, analyzing, interpreting and disseminating information through various media, including print, radio, television, video, film and photo displays, and exhibitions. The anniversary of FAO's founding is celebrated as World Food Day on October 16 every year, when member countries and NGOs around the world participate in special events highlighting one particular priority theme.

Materials produced by FAO include information booklets, technical documents, reference papers and reports of meetings, training manuals and audiovisual materials.

Major periodicals are issued in English, French and Spanish and include Ceres-The FAO Review (bimonthly), The State of Food and Agriculture (annual), FAO Quarterly Bulletin of Statistics, Food and Agricultural Legislation (annual), Unasylva (forestry quarterly), World Animal Review (quarterly), Plant Protection Bulletin (quarterly), and Rural Development (annual), FAO yearbooks are issued on rural development, trade, fertilizers, forest products, field projects, fishery statistics and animal health. FAO and UNEP publish Animal Genetic Resources Information (irregular) which is concerned with the conservation and management of domestic livestock. FAO and the International Plant Genetic Resources Institute publish the Plant Genetic Resources Newsletter (irregular). IPGRI also publishes an annual entitled: Geneflow : a publication about the Earth's plant genetic resources (available from

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IPGRI, Via delle Sette Chiese 142, 00145 Rome, Italy).

AGROSTAT PC, an electronic version of FAO's statistical yearbooks, is designed to be used on a simple, personal computer. It provides updated figures on all agriculture-related topics in six files: population, land use, production, trade, food balance sheets and forest products.

Other important statistical information produced by FAO's technical divisions include the Fisheries Statistical Database (FISHDAB), Globefish Data Bank and Electronic Library, Forestry Resources Information System (FORIS), and the Geographic Information System (GIS).

FAO compiles and coordinates an extensive range of international databases on the literature of agriculture, fisheries, forestry, food as well as statistics. The three most important are: AGRIS (the International Information System for the Agricultural Sciences and Technology), ASFA (Aquatic Sciences and Fisheries Abstracts, published with the Intergovernmental Oceanographic Commission (IOC) and UN) and CARIS (the Current Agricultural Research Information System).

To meet the increasing supply and demand for agricultural data, FAO is preparing the World Agricultural Information Centre (WALICENT), designed to improve access, particularly to extend users, via online mechanisms, floppy disks and CD. More information on these products is found in Chapter 4.

1.7 Global Biodiversity Strategy Programme (WRI/IUCN/UNEP)

2 Contact: Dr. Kenton Miller, Director
Program on Biological Resources and Institutions
World Resources Institute, 1709 New York Avenue, NW, Washington, DC 20006
Tel: (1-202) 662-2500
Fax: (1-202) 638-0036
Telex: 64414 WRI WASH
E-mail: kmiller@wri.org / donnad@wri.org

Contact: Mr. Jeffrey A. McNeely, IUCN (see address under IUCN, below)
Contact: Dr. Reuben Olembo, UNEP (see address under UNEP, below)

3 Description

The Global Biodiversity Strategy Programme, organized by the IUCN, UNEP and World Resources Institute, is designed to mobilize worldwide action to sustain the living resources of the planet. In cooperation with partner organizations from around the world, the programme strives to develop strategies, stimulate action, provide information and technical advice, improve policies and methods for conserving biodiversity, and promote biodiversity as a major development issue. Launched in 1992 after two years of consultations, expert workshops, and review, the Global Biodiversity Strategy provides the framework for action.

Organizations associate themselves with the programme by undertaking cooperative research; organizing, hosting, or participating in workshops; contributing ideas and materials for case-studies; and promoting the Strategy and Action Plan and the implementation of specific projects and reforms. For example, an international task force is developing Guidelines for Biodiversity Action Plans. The guidelines will identify issues that must be addressed, the range of possible solutions, and the processes required for effective implementation. The programme is also working on case studies on bio-regional management.

4 Key Information Resources

Global Biodiversity Strategy Programme documents are published by WRI:

Global Biodiversity Strategy (1992)

National Biodiversity Strategies: Guidelines Based on Early Country Experiences Around the World

Libraries, Information Services and Databases

(1995)

Biodiversity Indicators for Policy-makers (1993)

Biodiversity Conservation series of publications and reports of technical workshops and regional consultations

1.8 Global Environment Facility

2 Contact: Mr. Mohamed El-Ashry, Chairman
1818 H Street NW, Washington, DC 20433, USA
Tel: (202) 473-3202
Fax: (202) 477-0565
Telex:
E-mail:

3 Description

The Global Environment Facility (GEF) is an independent financial mechanism that provides grant and concessional funding to developing countries for projects and activities that aim to protect the global environment. GEF resources are available for projects and other activities that address climate change, biological diversity, international waters and depletion of the ozone layer. GEF resources are also available for land degradation (desertification and deforestation) as it relates to the other four focal areas.

For funding in climate change or biodiversity, countries must have signed the climate change or biodiversity treaties. Countries can obtain GEF funds if they are eligible to borrow from the World Bank or if they are eligible to receive technical assistance grants from UNDP.

GEF is implemented by the World Bank, UNDP and UNEP. The GEF secretariat is independent from the implementing agencies, but supported administratively by the World Bank. The GEF Council governs operational policies and programmes.

4 Key Information Resources

Documents of the GEF Council and the Scientific & Technical Advisory Panel
Project Documents and other materials are available from the APC Conference: [gef.report](#) and from the World Bank gopher site: [gopher.worldbank.org](#) (see also Chapter 5).

1.9 International Environmental and Natural Resource Assessment Information Service (INTERAISE)

Contact: Mr. Daniel Tunstall
INTERAISE, World Resources Institute, 1709 New York Avenue, NW, Washington, DC 20006
Tel: (1-202) 638-6300 / 662-2583
Fax: (1-202) 638-0036
Telex: 64414 WRI WASH
E-mail: dtunstall@wri.org

Contact: Barry Dalal-Clayton, IIED (see below for IIED address)

Contact: Kevin Grose, IUCN (see below for IUCN address)

3 Description

INTERAISE is a collaborative project undertaken by IIED, IUCN and WRI on behalf of the Development Assistance Committee of the Organisation for Economic Cooperation and Development (DAC/OECD).

The project specializes in making accessible key national environmental and natural resource assessment and policy documentation through the publication of directories, document delivery services, and collaboration with regional information centers. All three institutions maintain collections of all the documentation cited in the directories, such

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as the national reports prepared by governments for UNCED. The INTERAISE partners cooperate in the publication of an annotated bibliography on the content and availability of more than 325 assessments of environmental and natural resource conditions. The directory provides an abstract and cites the title, author, sponsoring and collaborating organizations, and explains how the study can be obtained.

4 Key Information Resources

Directory of Country Environmental Studies (WRI, 1990, 1993, [Sept.] 1995; hardcopy and diskette database)

Directory of Impact Assessment Guidelines (IIED, 1995, hardcopy, in press)

Regional Directories of Environmental Surveys and Strategies - Southern Africa & Central America (IUCN, in preparation)

1.10 International Institute for Environment & Development (IIED)

2 Contact: Mr. Barry Dalal-Clayton

3 Endsleigh Street, London WC1H 0DD, United Kingdom

Tel: (44-171) 388-2117

Fax: (44-171) 388-2826

Telex: 317210 BUREAU G

E-mail: iieduk@gn.apc.org / epgiied@gn.igc.org.uk

3 Description

IIED is an independent, non-profit organization which seeks to promote sustainable patterns of world development through research, services, training, policy studies, consensus building and public information. Established in 1971, the Institute advises policy makers and supports and collaborates with Southern specialists and institutions working in similar areas. IIED's work is undertaken with, or on behalf of, governments and international agencies, the academic community, foundations and non-governmental organizations, community organizations and the people they represent. Focusing on the linkages between economic development, the environment and human needs, the Institute has research programmes in a number of areas critical to sustainable development, including human settlements, sustainable agriculture, environmental planning and management, forestry, drylands, environmental economics and climate change. The Institute also has a European programme as part of its UNCED follow-up activities.

4 Key Information Resources

IIED Resource Centre on: participatory learning and action, environmental and natural resource assessments, sustainable development strategies and impact assessment guidelines.

Information Service for "INTERAISE" (see separate entry)

IIED Newsletters

Environment and Urbanization (bi-annual)

Haramata Drylands Bulletin (quarterly) in French and English

IIED Perspectives (bi-annual)

TIEMPO (quarterly) on global warming and the Third World

IIED Publication Series

Environmental Planning Issues, Drylands Issues Papers, Pastoral Land Tenure Series, Environmental Economics Discussion Papers and Gatekeeper Series, Sustainable Agriculture Gatekeeper Series, Research Series, and PLA Notes (notes on Participatory Learning and Action, formerly known as RRA Notes); and Forestry & Land Use Papers. Full catalogue available.

1.11 International Institute for Sustainable Development (IISD)

2 Contact: Heather Creech

Libraries, Information Services and Databases

IISD, 161 Portage Ave. E., 6th flr., Winnipeg, MB R3B 0Y4, Canada

Tel: (1-204) 958-7700

Fax: (1-204) 958-7710

Telex:

E-mail: iisd@web.apc.org / reception@iisdpost.iisd.ca

3 Description

The mandate of IISD is to promote sustainable development in decision making - within governments, businesses and the daily lives of individuals. It engages people of all backgrounds from across the world to produce and share information that will help change attitudes and modify behaviour.

4 Key Information Resources

Sourcebook on Sustainable Development (paper and electronic) (<http://www.iisd/iisd.ca>)

1.12 IUCN-The World Conservation Union

Communications Division

2 Contact: Constantino de Miguel, Media Relations Officer

IUCN Headquarters, 28 rue Mauverney, CH-1196 Gland, Switzerland

Tel: (41-22) 999 0001

Fax: (41-22) 999 0002

Telex: 419624 iucn ch

E-mail: cdm@hq.iucn.ch

Information Management Group

IUCN Headquarters, 28 rue Mauverney, CH-1196 Gland, Switzerland

2 Contact: Kevin Grose, Head

Tel: (41-22) 999 0001

Fax: (41-22) 999 0010

Telex: 419624 iucn ch

E-mail: keg@hq.iucn.ch

Library

IUCN Headquarters, 28 rue Mauverney, CH-1196 Gland, Switzerland

2 Contact: Cécile Thiéry, Librarian

Tel: (41-22) 999 0001

Fax: (41-22) 999 0010

Telex: 419624 iucn ch

E-mail: cet@hq.iucn.ch

IUCN Publications Service Unit

2 Contact: Elaine Shaughnessy

219c Huntingdon Road, Cambridge, CB3 0DL, United Kingdom

Tel: (44-1223) 277894

Fax: (44-1223) 277175

Telex:

E-mail: shaughnessy@wcmc.org.uk

Addresses for National Committees, Programme Offices and selected IUCN Members are found in Chapter 2. IUCN Members are located in over 120 countries.

Regional, Country and Programme Offices are located in Bangladesh, Botswana, Burkina Faso, Cambodia,

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Cameroon, Canada, Congo, Costa Rica, Czech Republic, Ecuador, France, Germany, Guatemala, Guinea-Bissau, Hungary, Kenya, Laos, Mali, Mauritania, Nepal, Niger, Nigeria, Pakistan, Panama, Philippines, Poland, Russia, Senegal, Slovakia, Sri Lanka, Thailand, Uganda, United States, Vietnam, Zambia and Zimbabwe.

The following countries have or are establishing National Committees: Argentina, Australia, Belize, Bolivia, Brazil, Canada, Chili, Colombia, Costa Rica, Ecuador, Egypt, El Salvador, Finland, France, Guatemala, Honduras, Japan, Mexico, Netherlands, New Zealand, Nicaragua, Panama, Paraguay, Peru, Slovakia, South Africa, Spain, Switzerland, United Kingdom, Uruguay and Venezuela.

3 Description

IUCN-The World Conservation Union brings together States, government agencies, and a diverse range of non-governmental organizations in a unique working partnership: some 811 members in all, spread across 129 countries.

As a union, IUCN exists to serve its members, to represent their views on the world stage and to provide them with the concepts, strategies and technical support they need to achieve their goals. Through its six Commissions, IUCN draws together over 6,000 expert volunteers in project teams and action groups. A central secretariat coordinates the IUCN Programme and leads initiatives on conservation and sustainable use of the world's biological diversity and the management of habitats and natural resources, as well as providing a range of services. The Union has helped many countries to prepare National Conservation Strategies, and demonstrates the application of its knowledge through the field projects it supervises. Operations are increasingly decentralized and are carried forward by an expanding network of regional and country offices, located principally in developing countries.

IUCN-The World Conservation Union's mission is to influence, encourage and assist societies throughout the world to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable.

4 Key Information Resources

Publications of IUCN Headquarters

Publications catalogue - annual

Caring for the Earth (1991) and World Conservation Strategy (1980)

Interact: a communications forum for IUCN members (also in French and Spanish) - quarterly

IUCN Bulletin (also in French and Spanish) - bimonthly

People and the Planet - quarterly (sponsored by UN Population Fund (UNFPA), IUCN, WWF and International Planned Parenthood Federation (IPPF))

Numerous books and reports

Publications of IUCN Commissions

Commission on Education and Communication: Nature Herald

Commission on Environmental Strategy and Planning: Environmental Strategy & Planning

Commission on National Parks and Protected Areas: CNPPA Newsletter

Species Survival Commission: Species

IUCN Library

Established: 1948

Books: 17000; Serials: 497; Maps: 129; A/V: 135

Special collections: IUCN Publications Collection

IUCN Technical Reports Collection

IUCN Periodicals Collection

IUCN Archive

Forest Conservation Collection

INTERAISE Country Collection (WRI/IIED/IUCN)

Marine Conservation Collection

Libraries, Information Services and Databases

National Conservation Strategies

Wetlands Conservation Collection

Subjects: Nature conservation; Natural history; Protected areas; Forest conservation; Wetlands conservation; Coastal area management; Marine conservation; Environmental surveys; IUCN Cooperation: ASFA Input Centre for UNEP and IUCN (FAO/IOC/UN/UNEP)

Geneva-area Roundtable on Environmental Information and Documentation

Publications: See IUCN Publications database

Library publications: IUCN Publications 1948-1992, 1993

IUCN Library Periodical List, 1993

Video Catalogue, 1994

Guide to Documentation, 1994

Conservation Thesaurus, 1995 (in press)

IUCN-Environmental Law Centre

2 Contact: Françoise Burhenne-Guilmin, Director
214 Adenauerallee, D-53113 Bonn, Germany
Tel: (49-228) 269-2231 / -2232
Fax: (49-228) 269-2250
Telex:
E-mail: elcb@hq.iucn.ch

3 Description

IUCN-ELC staffs the Law Programme of the IUCN, including the Commission on Environmental Law. It has programmes in international environmental law development and legal technical assistance to developing countries. The main goals of the programme are to promote the adoption of sound international and national environmental legal instruments; to provide assistance and services in this field; and to monitor developments in the field of environmental law.

The ELC maintains a collection of national and international environmental law from around the world in cooperation with the International Council of Environmental Law. The Environmental Law Information System (ELIS) databases provide bibliographic data on over 115,000 law & policy publications, legislation, treaties, and related documents. An additional component of ELIS is the Index to Fauna and Flora Mentioned in Legislation, which permits searches of legal instruments related to specific taxa. Hard copies of most titles are housed at the Centre. Some of the data is available over Internet, at a WEB site managed by CIESIN (see separate entry).

4 Key Information Products

Publications of the IUCN-ELC

Grey literature on environmental legal and policy developments.

IUCN Environmental Law and Policy Papers, a series published by the IUCN.

Environmental Policy and Law. (bi-monthly journal), published by IOS Press.

International Environmental Law : Multilateral Treaties (English, French, German, loose-leaf), published by Erich-Schmidt-Verlag, Berlin.

References to Environmental Law and Policy Literature (quarterly bibliography), published by ICEL/IUCN-ELC.

Environmental Law Information System (ELIS)

International Treaties Database (multilateral and bilateral agreements)

Environmental Law of the European Union Database

National Legislation Database

Animal Species Diversity in Law Database

Plant Species Diversity in Law Database

Environmental Law and Policy Literature Database

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International Environmental "Softlaw" Database [softlaw refers to important resolutions, declarations, decisions which, while not having the force of law, are declarative of international environmental policy]
Periodicals Database
German Court Decisions

1.13 TRAFFIC International

2 Contact: Mr. Jorgen Thomsen, Executive Director
TRAFFIC International, 219c Huntingdon Road, Cambridge CB3 0DL, United Kingdom
Tel: (44-1223) 277 427
Fax: (44-1223) 277 237
Telex: 817036 SCMU G
E-mail: traffic@wcmc.org.uk

Addresses for national offices are found in Chapter 2. The following countries have offices: Australia (for Oceania), Belgium (for Europe), France, Germany, India, Italy, Japan, Malaysia (for South-East Asia), Malawi (for East/Southern Africa), Netherlands, South Africa, Taiwan, Tanzania, United States, and Uruguay (for South America).

3 Description

TRAFFIC's mission is to help ensure that wildlife trade is sustainable and in accordance with domestic and international laws and agreements, through the investigation, monitoring and reporting of such trade, particularly that which is detrimental to the survival of flora and fauna and that which is illegal. TRAFFIC's reports and advice provides a technical basis for the establishment of effective conservation policies and programmes for wildlife in trade. Much of the work pertains to the CITES Convention (see CITES entry).

The TRAFFIC Network is comprised of 17 offices distributed among key wildlife trading countries. headquarters in the United Kingdom on the premises of the World Conservation Monitoring Centre. As the majority of the Network's funding is provided by WWF, the Network is administered by the WWF Programme Committee on behalf of WWF and IUCN.

4 Key Information Resources

Species in Danger series

Newsletters are produced by several of the national offices, e.g TRAFFIC Bulletin.
Other reports and materials used, for example, in training customs officials, identifying species requiring protection under CITES, and increasing public awareness.

1.14 United Nations Commission on Sustainable Development

2 Contact: Zehra Aydin, CSD Update Coordinator
Division for Sustainable Development, One United Nations Plaza, Room 1044, New York, NY 10017, USA
Tel: (1-212) 963-8811
Fax: (1-212) 963-1267
Telex:
E-mail: dpcsd@igc.apc.org / zehra.aydin@un.org

Addresses for national commissions on sustainable development are found in Chapter 2. Most countries have a commission; several have two commissions focusing on separate areas of concern.

3 Description

The UNCSD was established following the 1992 U.N. Conference on Environment and Development (UNCED)

Libraries, Information Services and Databases

to facilitate, monitor and evaluate progress towards the implementation of the UNCED agreements such as Agenda 21. The CSD is supported by a secretariat from the Division for Sustainable Development, a part of the UN Department for Policy Coordination and Sustainable Development.

4 Key Information Resources

The CSD secretariat compiles reports for meetings of the Commission and other bodies established under the Commission. CSD documents bear the UN Document Symbol: E/CN.17/year/number and are issued in all official languages of the United Nations (Arabic, Chinese, English, French, Russian and Spanish). Electronic versions of the reports, English only, are available from:

un.csd.general or un.csd.docs (Econet)

gopher.undp.org

CSD Update, bi-monthly newsletter

1.15 United Nations Development Programme (UNDP)

2 Contact: Thierry Lemaesquier, Manager, NGO Programme

One United Nations Plaza, New York, N.Y. 10017, USA

Tel: (1-212) 906-5000

Fax: (1-212) 906-5364

Telex:

E-mail: thierry.lemaesquier@undp.org

UNDP Sustainable Development Network

Contact: Chuck Lankester, Director

UNDP, 304 East 45th Street, Room FF-12108, New York, NY 10017, USA

Tel: (1-212) 906-5862

Fax: (1-212) 906-6952

Telex:

E-mail: chuck.lankester@undp.org

3 Description

UNDP is the largest multilateral organization for grant-based technical cooperation. It works to build developing countries' capacities for sustainable human development by promoting and supporting efforts to alleviate poverty, manage natural resources to benefit both people and the environment, improve governance and create opportunities for people to improve their lives. It is as well the chief coordinator of technical cooperation for development provided by the whole of the UN system. UNDP works through a network of 130 offices worldwide.

UNDP launched a Sustainable Development Network (SDN), which aims to link governmental, NGO, grassroots and entrepreneurial organizations which could benefit from and/or contribute to economic development that is sustainable and environmentally sound.

4 Key Information Sources

UNDP undertakes scientific and technical studies and surveys, including policy studies, and prepares official documentation for meetings of the Governing Council and other bodies established under the Governing Council.

Annual Report of the Administrator

Azimuths (monthly) television documentary magazine for rebroadcast worldwide

Choices: The Magazine for Human Development (monthly)

Capacity 21

Handbook and Guidelines for Environmental Management and Sustainable Development

Human Development Report (annual) Oxford University Press

Sustainable Development Network Information Series and SDN Newsletter (produced in cooperation with

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the International Development Research Centre, Ottawa, Canada.)

1.16 United Nations Environment Programme (UNEP)

2 Contact: Tore Brevik, Chief, Information and Public Affairs
PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-1234
Fax: (254-2) 22-6886, 22-6890
Telex: 22068 unep ke
E-mail: tore.brevik@unep.no

Addresses for Regional Offices are found in Chapter 2.

3 Description

UNEP was established in 1973 following the UN Conference on the Human Environment, Stockholm 1972. The role of UNEP is to coordinate and stimulate environmental action within the UN system. While UNEP's programme and activities touch upon most areas of conservation concern three are of particular importance as information resources: the UNEP Division of Environmental Assessment, the UNEP Biodiversity Programme and Implementation Strategy and the UNEP INFOTERRA Programme Activity Centre and its Special Sectoral Sources.

4 Key Information Sources (general):

Governing Council documents and other bodies established under the Governing Council (UN document symbol: UNEP/GC.xx/..)

Annual Report of the Executive Director

Our Planet - bi-monthly magazine (English, French and Spanish)

1.16.1 UNEP Division of Environmental Assessment

2 Contact: Harvey Croze, Assistant Executive Director
UNEP, PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-3511
Fax: (254-2) 22-4274
Telex: 22068 unep.ke
E-mail: harvey.croze@unep.no

3 Description

In the area of environmental assessment and information, UNEP's mandate is: to provide the world community with improved access to meaningful environmental data and information, and to help increase the capacity of governments to use environmental information for decision making and action planning for sustainable human development. This mission will be achieved by: providing an information base for policy formulation, in addition to raising awareness; supporting the production of integrated environmental information for sustainable development, in addition to sectoral information; providing products for a wide range of users, in addition to scientific assessments; focusing on emerging issues and early warning, in addition to describing the current situation; and, working towards an integrated information delivery system. These activities are carried out by four sub-programmes: Assessment and Reporting (Global Environment Monitoring System (GEMS) and State of the Environment (SOE)); Data and Information Management (Global Resource Information Database (GRID)); Capacity Building and Servicing; and UN System-wide Earthwatch Coordination. The first two sub-programmes are of particular interest and are described in greater detail below.

4 Key Information Sources

UNEP/Environmental Assessment Division Documentation Centre
Contact: Danielle Mitchell; Winnie Musani
Limuru Road, Gigiri, PO Box 30552, Nairobi, Kenya

Libraries, Information Services and Databases

Tel: (254-2) 62-1234
Fax: (254-2) 22-6890; 22-6491
Telex: 22068 unep ke
E-mail:

Established: 1972

Books: 5,000; Serials: 25; Maps: 20

Subjects: Environmental assessment; Sustainable development; Environmental indicators; Development indicators; Atmosphere; Climate change; Pollution

Geographic area: Global; Regional; Sub-regional

Data: Catalogue of holdings; Mailing list

Other: Computer searches, internal; reference supply to researchers and consultants

1.16.1.1 Global Environment Monitoring System (GEMS)

2 Contact: Officer-in-charge
UNEP, PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-3517
Fax: (254-2) 62-3943
Telex: 22068 unep ke
E-mail: @unep.no

3 Description

The major objective of this programme area is to provide overviews of status, trends and assessments of impacts of environmental and developmental processes to support informed policy formation at international, regional and sectoral levels.

4 Key Information Resources

Earthviews newsletter

Environmental Data Report, published co-sequentially with the World Resources Institute's World Resources Report

State of the Environment Reports

Global Environmental Outlook [forthcoming]

UNEP Environment Library series

1.16.1.2 Global Resources Information Database (GRID)

2 Contact: Barry Henriksen, Officer-in-Charge
UNEP, PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-4202
Fax: (254-2) 62-4274
Telex: 22068 unep.ke
E-mail: henrikb@unep.no

Addresses of Regional GRID nodes are found in Chapter 2.

3 Description

GRID is a program element of Earthwatch and a component of the Global Environment Monitoring System (GEMS). GRID was created to help provide access to environmental data worldwide by using geographic information systems (GIS). GRID also aims to improve, harmonize and support the use of GIS and associated data management technologies. GRID endeavors to develop user-friendly, free and open access to environmental information through a global system that works "as simply as a telephone network".

GRID offers training to personnel from developed and developing countries in the use of GIS for environmental

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management and as tools for capacity-building for sustainable development. It also provides for distribution of data and data referral.

4 Key Information Resources

Compendium of Global Environment Data. GRID receives processed data from other sources that it keeps in a database, in order to make the data more available and more useful to other users. This data is used for specialized publications, such as the electronic Directory of Digital Data Archives for Central and South America (1993).

1.16.2 Biodiversity Programme and Implementation Strategy (BPIS)

2 Contact: Jorge Illueca, Assistant Executive Director
UNEP, PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-1234
Fax: (254-2) 22-6886
Telex: 22068 unep ke
E-mail: jorge.illueca@unep.no

3 Description

The mission of UNEP's overall biodiversity programme is to contribute to the formulation and implementation of biological diversity conservation as an integral element of sustainable development. The general objective of the programme is to catalyze global, regional, sub-regional and national actions for addressing the conservation and sustainable use of biodiversity in support of Agenda 21 and the Convention on Biological Diversity. Specifically for information, BPIS seeks to improve support to biodiversity research, assessment, data management and monitoring at all levels in support of biodiversity decision-making and management.

4 Key information sources

Global Biodiversity Assessment (planned, 1995)

Biodiversity country studies, strategies and data management guidelines and methods have been developed in cooperation with the World Conservation Monitoring Centre (WCMC), see section 1.19.

1.16.3 INFOTERRA Programme Activity Centre

Contact: Linda Spencer, Director
UNEP, PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-1234 / 62-3274
Fax: (254-2) 22-6949 / 62-4269
Telex: 22068 unep ke
Cable: UNITERRA, NAIROBI
E-mail: spen@pan.cedar.univie.ac.at / linda.spencer@unep.no

National and regional INFOTERRA nodes are found in most countries of the world and are listed in Chapter 2.

3 Description

The Stockholm Conference on the Human Environment, convened by the United Nations in 1972 to consider the condition of the environment, called for an international mechanism for the exchange of environmental information. The INFOTERRA was to develop a mechanism to "facilitate the exchange of environmental information within and among nations". Since its early years INFOTERRA has evolved and expanded its services to include substantive information and document delivery.

INFOTERRA began its operations in 1977 with a dozen partner countries. It was designed as a decentralized information system operating through a worldwide network of national environmental institutions designated and supported by their governments as National Focal Points and coordinated by a programme activity centre at UNEP Headquarters in Nairobi. The INFOTERRA National Focal Points are usually situated in the information and

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documentation sections of environment ministries, and national environmental protection agencies which are often also the focal points for national information networks.

INFOTERRA currently consists of 170 National Focal Points, 11 Regional Service Centres, and 34 Special Sectoral Sources (see section below). Regional service centres have been set up, within key National Focal Points, to act as centres for regional co-operation. The regional service centres act as focal points for the exchange of information and experience at regional level and for the development of sub-networks to facilitate this exchange.

INFOTERRA network partners use four working languages to communicate: English, French, Russian and Spanish. Substantive information can usually be located or, if necessary, translated into most of the world languages.

4 Key Information Resources

The International Directory of Sources is a "Who's Who" of environmental expertise compiled by national focal points. It exists as both printed 'hardcopy' and as a Micro CDS/ISIS database. It does not contain all the world's environmental information in itself, but is the means of access to more than 7,000 sources of information on over 1,000 environmental subjects. The sources are located in government ministries and documentation centres, research institutes, universities, non-governmental and international organizations, United Nations agencies and private consultancies. The sources can be accessed by country, by name of organization and by environmental subject-area.

Specialized directories and sourcebooks:

Thesaurus of Environmental Terms

Operations Manual

INFOTERRA Bulletin (quarterly)

Technical Exchange of Environmental Experiences Series

UNEP INFOTERRA Subscription List (Internet) (see chapter 5 for details)

Brochures, posters and leaflets for promotional purposes, and on videotape a short programme about INFOTERRA.

1.16.3.1 UNEP INFOTERRA Special Sectoral Sources

2 Contact: see below

3 Descriptions

As environmental problems increase in complexity and specialized scientific knowledge proliferates, there is an ever increasing need by network users for substantive information specific to particular needs in highly technical areas of concern. Certain organizations stand out as international centres of excellence in particular fields. INFOTERRA has identified thirty-four such centres of excellence and made them Special Sectoral Sources (SSSs). These centres have been selected because of their ability to provide highly specialized scientific responses to users' queries. Many of the SSSs are within the UN system, but others are national or international institutions, nongovernmental organizations and private institutions. INFOTERRA has contracted with these SSSs to provide detailed tailored responses to INFOTERRA queries. Some SSSs charge fees for their services and it is best to inquire about fees before ordering information. UNEP INFOTERRA subsidizes the cost of some requests from developing country Governments. For more information on this subsidized service, contact UNEP INFOTERRA.

Bundesforschungsanstalt für Forst-und Holzwirtschaft, Information and Documentation Centre

2 Contact: Information officer

Leuschnerstr. 91, Postfach 80 02 10, D-2050 Hamburg 80, Germany

Tel: (49-40) 739-62437

Fax: (49-40) 739 62480

Telex: 403826 BFH

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Cable:
E-mail:

***3* Description**

German federal research centre on forestry, afforestation, reforestation and forest products and has a strong international orientation, in particular, forestry in bilateral and multilateral development cooperation.

***4* Key Information Resources**

Information and Documentation Centre provides information on forestry literature and provides input for ELFIS and AGRIS. The Centre has contracts with the hosts DIMIDI, STN, DATA-STAR and ECHO giving access to CAB, Biosis, CAS, AGRIS, AGRICOLA, PHYTOMED and ELFIS (see Chapter 4).

CAB International (formerly Commonwealth Agricultural Bureaux)

2 Contact: Dr C.P. Ogbourne, Deputy Directory General, Information Services
Wallingford, Oxon, OX10 8DE, United Kingdom
Tel: (44-1491) 83-2111
Fax: (44-1491) 83-3508
Telex: 847964 (COMAGG G)
Cable:
E-mail: cabi@cabi.org

***3* Description**

The mission of CABI is to provide scientific information and development services for agriculture, forestry and related sciences worldwide. Within the information services, all aspects of the environmental interactions with agriculture and forestry are covered. CABI services include: a bibliographic database, book publishing, species identification service, advice and practical assistance.

***4* Key Information Resources**

The CAB Abstracts database and the various products and services derived from it are aimed at scientists, teachers, advisers, development planners, administrators and other professionals. The subject scope includes crop and animal breeding, forestry, natural resources and the environment, biotechnology and recreation and tourism. Abstract journals (hardcopy and CD-ROM, see Chapter 4) include CABCD, the full database; CABPESTCD, crop protection; HORTCD, horticulture; VETCD, veterinary science; SOILCD, soils and fertilizers; TREECD, forestry, etc.

International Center for Arid and Semiarid Land Studies

2 Contact: Librarian
Box 4620, Lubbock, TX 79409, USA
Tel:
Fax: (1-806) 742-1954
Telex:
Cable:
E-mail:

***3* Description**

The Centre was created within Texas Technical University in order promote the university's mission: the interdisciplinary study of arid and semiarid environments and the human relationship to those environments.

***4* Key Information Resources**

Technical expertise and access to major university library and associated databases

International Center for Living Aquatic Resources Management

Libraries, Information Services and Databases

2 Contact: Roger S.V. Pullin, Director
ICLARM, MCPO Box 2631, 0718 Makati, Metro Manila, Philippines
Tel: (63-2) 817-5163
Fax: (63-2) 816-3183
Telex: 64794 iclarm pn
Cable: ICLARM MANILA
E-mail: iclarm@cgnet.com

3 Description

ICLARM is an research centre within the Consultative Group on International Agricultural Research (CGIAR) which focuses on aquaculture, fisheries and coastal management in the tropics and subtropics.

4 Key Information Resources

Specialized library and large bibliographic database.

Naga : the ICLARM Quarterly
large publications programme, catalogue available
Fishdisk (CD-ROM), see chapter 4 for details

International Centre for Research on Agroforestry

2 Contact: Librarian
PO Box 30677, Nairobi, Kenya
Tel: (254-2) 52-1450
Fax: (254-2) 52-1001
Telex: 22048 icraf.ke
Cable: ICRAF
E-mail: icraf@cgnet.com

3 Description

ICRAF has global responsibility within the Consultative Group on International Agricultural Research (CGIAR) for strategic research in agroforestry. Defined as the deliberate integration of trees and shrubs with crops and/or livestock, agroforestry is one of the most widespread land-use systems in the tropics. Traditional and innovative agroforestry technologies are studied primarily in the humid tropics, sub-humid and semi-arid tropics.

4 Key Information Resources

ICRAF has made special efforts to collect, process, repackage and disseminate information on agroforestry. From its Agroforestry Bibliographic Database access to the literature is provided. This is complemented by the Multipurpose Trees and Shrubs database.

Agroforestry today, quarterly newsletter (English and French)

IUCN-The World Conservation Union, see section 1.12

IUCN Environmental Law Centre, see section 1.12

UNEP Desertification Control Programme Activity Centre

*2 Contact: F. Cardy, Director
PO Box 30552, Nairobi, Kenya
Tel: (254-2) 62-1234
Fax: (254-2) 21-5615
Telex: 22068 unep.ke
E-mail: dcpac.unep@un.org

3 Description

A Sourcebook for Conservation and Biological Diversity Information

The Desertification Control Programme Activity Centre (DC/PAC) was created to oversee and coordinate the Plan of Action to Combat Desertification adopted at the UN Conference on Desertification held in 1977. In information, DC/PAC has developed an integrated set of databases related to desertification and its control.

4 Key information sources

DC/PAC Library

Books: 3000; Serials: 15; Maps: 20; Photos: Yes; A/V: 22

Subjects: Environmental monitoring; Desertification; Desertification control; Dryland development; Wind erosion

Database: Activities of Wind Erosion and its Effects (ACWIND)

Type: Referral; Started: 1986; Items: 168

Database: DC/PAC Desertification Control Projects Database (DEPRO)

Type: Referral; Started: 1986; Items: 62

Database: Directory of Organizations Dealing With Desertification Control and Dryland Development Database (DIOR), Type: Referral; Started: 1986; Items: 537

Database Products: Annotated Directory of Organizations Dealing with Desertification and Dryland Development

Database: United Nations Desertification Control Projects Database (PROCOM)

Type: Referral; Started: 1986; Items: 325

Database Products: UN Project Compendium on Desertification Control and Dryland Development (1987)

UNEP Global Resource Information Database (GRID), see section 1.16.1

UNESCO Environment and Population Education and Information for Human Development

2 Contact: Gustavo López-Ospina, Director

7, place de Fontenoy, F-75352 Paris 07 SP, France

Tel: (33 1) 45 68 08 90

Fax: (33 1) 45 66 96 84

Telex:

E-mail: @unesco.org

3 Description

UNESCO is active in promoting the exchange of information and experiences within the framework of the UNESCO-UNEP International Environmental Education Programme (IEEP).

4 Key information sources

Directories: Environmental Education Institutions

Environmental Education Projects

Environmental Education Periodicals

Connect, newsletter (quarterly, Arabic, Chinese, English, French, Hindi, Russian, Spanish, Ukrainian)

World Conservation Monitoring Centre, see section 1.19

1.17 UNESCO, Man and the Biosphere Programme and World Heritage Convention

2 Contact: UNESCO MAB Secretariat

2 Contact: World Heritage Convention Secretariat

Libraries, Information Services and Databases

7 place de Fontenoy, F-75700 Paris, France
Tel: (33-1) 4568-4068
Fax: (33-1) 4065-9535
Telex:
E-mail: @unesco.org

3 Description

UNESCO manages the Man and the Biosphere Programme and hosts the Convention Concerning the Protection of the World Cultural and Natural Heritage, commonly called the World Heritage Convention. The Programme and the international treaty both are designed to protect natural areas as well as landscapes that have been sculpted by the interaction of humans and environment. The IUCN assists UNESCO in evaluating sites which are nominated to become World Heritage Sites under the Convention. On environmental issues UNESCO also cooperates with other organizations, such as FAO, UNEP, the International Council of Scientific Unions (ICSU), the Intergovernmental Oceanographic Commission (IOC), and the International Union of Biological Sciences (IUBS).

The MAB Programme was launched in 1971 to seek answers as to how humanity affects the biosphere and what could be done to avoid further degradation. The 300 plus biosphere reserves in over 75 countries each consist of a minimally disturbed core area surrounded by buffer zones and transitional areas to areas of greater human impact. As part of the research programme, UNESCO publishes the MAB Digest Series, which provides overview of recent, ongoing and planned activities relating to policy, scientific, and other aspects of biosphere reserves.

4 Key Information Resources

ACCESS: A Directory of Contacts, Environmental Databases, and Scientific Infrastructures on 175 Biosphere Reserves in 32 Countries is a product of collaboration of the MAB programmes in Europe and North America. The 250 page directory is available on computer disk in Lotus 1-2-3, Microsoft Excel, and D-Base formats and also over the CIESIN network (for information contact UNESCO or CIESIN at ciesin.info@ciesin.org).

Selected Publications

Fishes of the North-eastern Atlantic and the Mediterranean (FNAM). Also available on CD-ROM produced by the Expert Centre for Taxonomic Identification, Amsterdam, this three volume reference work contains over 1500 pages of information on over 1,250 species.

MAB Digest Series - irregular series on management issues related to biosphere reserves.

Nature and Resources - bimonthly periodical on human/environment interactions

1.18 World Bank and Regional Development Banks

2 World Bank Group (including IMF)
Contact: John Clark, NGO Unit
1818 H Street, Washington, DC 20443, USA
Tel: (1-202) 477-1234
Fax: (1-202) 334-8750/473-3117
Telex: 440098
E-mail:

2 African Development Bank
Contact: Information Officer
01 B.P. No. 1387, Abidjan 01, Côte d'Ivoire
Tel: (225) 204444
Fax: (225) 204909
Telex:
E-mail:

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2 Asian Development Bank
Contact: Information Officer
P.O. Box 789, Manila, Philippines
Tel: (63-2) 711-3851
Fax: (63-2) 741-7961
Telex:
E-mail:

2 European Bank for Reconstruction and Development
Contact: Information Officer
One Exchange Square, London EC2A 2EH, United Kingdom
Tel: (44-171) 338-6000
Fax: (44-171) 338-6100
Telex:
E-mail:

2 Inter-American Development Bank
Contact: Information Officer
1300 New York Ave, NW, Washington, DC 20577, USA
Tel: (202) 623-1000
Fax: (202) 623-3096
Telex:
E-mail:

3 Description

World Bank activities to protect and enhance the environment are based on a fourfold agenda: assisting countries in setting priorities, strengthening institutions and implementing programmes for sustainable development; minimizing the potential adverse environmental and social impacts of development projects; building on the positive linkages between poverty reduction, economic efficiency, and environmental protection; and addressing global environmental challenges.

In accomplishing their missions, the Regional Development Banks deal with similar environmental and social issues.

The World Bank and other development banks have environment departments, which generally focus on policy and operational issues within each major geographic division. In the World Bank, this department has become a significant source of ideas and case studies about sustainable development.

The World Bank recently opened an office to assist with public dissemination of information. Many Bank reports are posted on Internet (gopher.worldbank.org or <http://www.worldbank.org>). Additional information on these sources of information can be found in Chapter 5.

4 Key Information Resources from the World Bank

World Development Report (annual)

Annual Report of the World Bank Environment Department

Working Paper Series, a series of sustainable development views from the Environment Department

"Red cover" reports (public versions of internal studies)

4 Key Information Resources from the other Banks.

Several of the Regional Development Banks have environment departments and publish a series of working papers.

Libraries, Information Services and Databases

1.19 World Conservation Monitoring Centre (WCMC)

2 Contact: Jeremy Harrison
WCMC, 219 Huntingdon Road, Cambridge CB3 0DL, United Kingdom
Tel: (44-1223) 277-314
Fax: (44-1223) 277-136
Telex:
E-mail: info@wcmc.org.uk

3 Description

WCMC is an independent organization established by IUCN - the World Conservation Union, the United Nations Environment Programme (UNEP), and the World Wide Fund for Nature (WWF). The Centre provides information services on the conservation and sustainable use of species and ecosystems and capacity building for biodiversity data management. WCMC works closely with many IUCN Commissions and other agencies in the collection and management of information on species, habitats and protected areas.

Information on WCMC's programmes and information resources can be obtained from the Centre or from their World Wide Web site (<http://www.wcmc.org.uk>) or anonymous ftp (<ftp://wcmc.org.uk>). WCMC is the moderator for the Listserv devoted to discussion of issues related to the Convention on International Trade in Endangered Species (CITES-L) (listproc@wcmc.org.uk, see also Chapter 5).

4 Key Information Resources

WCMC's databases include information on plant and animal species of conservation concern, important natural habitats, sites of biological diversity, the global network of national parks and reserves, the international trade in wildlife, and a substantial conservation bibliography covering both published and unpublished literature.

[Biodiversity Data Sourcebook](#)

[Global Biodiversity : Status of the Earth's Living Resources](#)

[UN List of National Park and Protected Areas](#) (with the IUCN Commission on National Parks and Protected Areas)

[WCMC Biodiversity Publications Series](#)

[WCMC Biodiversity Map Library](#)

Biodiversity Data Management (UNEP/GEF/WCMC) in the context of the Convention on Biological Diversity

[Guidelines for a National Institutional Survey](#)

[Guidelines for Information Management](#)

[Generic Data Flow Model for Information Management](#)

[A Resource Inventory: an Open-Ended Tool Kit for In-Country Data Management](#)

1.20 World Wide Fund for Nature (WWF)

2 Contact: Rob Sangeorge, Director, Communications Division
Avenue du Mont-Blanc, 1196 Gland, Switzerland
Tel: (41-22) 364-9111
Fax: see below
Telex: 419 618 WWF CH
E-mail:

Fax Numbers:

- Communications Division	(41-22) 364-5358
- Conservation News Service	(41-22) 364-8307
- Conservation News Service	(41-22) 364-6277
- Conservation Policy	(41-22) 364-5829 / 8219

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- Regional Progs: Africa, Latin America (41-22) 364-4238
- Regional Programme: Asia (41-22) 364-6624
- Regional Programme: Europe (41-22) 364-3239
- Photolibrary (See Chapter 6) (41-22) 364-4771

WWF Antarctic & Cetacean Programme

Contact: Ms Cassandra Phillips, WWF Antarctic & Cetacean Officer
2 The Old Rectory, Dumbleton, Evesham WR11 6TG, United Kingdom

Tel: (44-1386) 88 20 55

Fax: (44-1386) 88 20 55

Telex:

E-mail:

WWF European Policy Office

Contact: Tony Long, Director
608 Chaussée de Waterloo, B-1060 Brussels, Belgium

Tel: (32-2) 347-3612

Fax: (32-2) 347-4366

Telex:

E-mail:

WWF International Institutions Policy Programme

Contact: Mr. David Reed
c/o WWF-United States, 1250 24th St. N.W., Washington, D.C. 20037-1175, USA

Tel: (1-202) 293 4800

Fax: (1-202) 293 9211/293 9345

Telex: 023 64505 panda

E-mail:

WWF Plants Conservation

Contact: Mr Alan Hamilton
c/o WWF-UK, Panda House, Weyside Park, Surrey GU7 1XR, United Kingdom

Tel: (44-1483) 426 444

Fax: (44-1483) 426 409

Telex: 051 859602 panda

E-mail:

WWF Television & Film Centre

Contact: Mr Michiel van der Zeeuw
Postbus 7, 3707 BM Zeist, Netherlands

Tel: (31-3404) 20499

Fax: (31-3404) 22484

Telex:

E-mail:

WWF Photolibrary, see Chapter 6

Addresses for National Organizations, Programme Offices and WWF Affiliates are found in Chapter 2.

The following countries have National Organizations: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, India, Italy, Japan, Malaysia, Netherlands, New Zealand, Norway, Pakistan, South Africa, Spain, Sweden, Switzerland, United Kingdom, and United States.

Libraries, Information Services and Databases

Programme Offices are located in Africa: Cameroon, Cote d'Ivoire, Gabon, Kenya, Madagascar, Tanzania, Zambia, and Zimbabwe; Asia/Pacific: Bhutan, Nepal, Indonesia, Philippines, South Pacific, and Vietnam; Latin America/Caribbean: Brazil, Costa Rica (for Central America), Mexico, and Colombia (for Northern Andes); and Europe: Hungary, Latvia, and Russia.

WWF Associates are located in Argentina, Ecuador, Nigeria, Turkey and Venezuela.

3 Description

Founded in 1961, the WWF is one of the largest independent nature conservation and advocacy organizations. WWF seeks to promote sustainable development through various activities and programmes. In the conservation fieldwork projects, members listen and learn from local people, incorporating their economic and social needs into projects, and build on local knowledge and skills. The organization's other sustainable development activities include policy development in collaboration with governments, nongovernment organizations, aid agencies, commerce and industry. WWF provides institutional support for sustainable development.

4 Key Information Sources

WWF-Mission-Related Publications

WWF News, six issues per year, English and Spanish

Project Portfolios

WWF Campaign Reports

WWF Position Papers

WWF Discussion Papers

WWF Country Profiles

WWF Research Reports

WWF Special Reports

WWF also produces fact sheets and information booklets and publishes a number of books. Catalogue issued twice yearly.

Chapter 2. Libraries, Information Services and Databases Regional and Country Sources

2.0 Introduction, by Eric Howard

Records are arranged regionally, and then alphabetically by name of country. National sources that serve a region are located under the nation, but are referred to at the start of the regional section. In several instances, the same organization may be an IUCN member and an Infoterra office, the National Commission on Sustainable Development (NCSO) Coordinator, or a WWF National Organization. Since the contact person is often different, they are listed separately.

Regional Sources:

- UNEP Infoterra Regional Sources
- IUCN, TRAFFIC, and WWF Regional Offices
- Other Recommended Listings

National Sources:

- UNEP Infoterra Focal Point
- NCSO National Coordinators
- IUCN, TRAFFIC, and WWF Offices/National Organizations
- IUCN Members having libraries and databases

All UNEP Infoterra Focal Points have access to the Infoterra Database of national information sources. An electronic search of this database in June 1994 found over 1,600 institutional sources working on biodiversity and conservation topics, ranging from aquatic animals to zoological gardens. (This search was based on 47 keywords from the UNEP-Infoterra Thesaurus). It was not possible to include all of these contacts and organizations in this Sourcebook. Instead, we have provided the contact information for all of the Infoterra national nodes as well as the Infoterra special sectoral sources. For further information on the institutional sources, contact a UNEP Infoterra National Focal Point (NFP) or seek the information electronically via the UNEP Infoterra gopher (pan.cedar.univie.ac.at)

To ensure broad distribution of IUCN publications, all IUCN offices get copies of publications produced by the IUCN Publications Services Unit in Cambridge, UK. Other offices, such as IUCN Nepal, produce a large number of publications, and they are distributed to most IUCN offices. The IUCN Library in Gland, Switzerland, receives copies of all publications produced under the IUCN umbrella. In addition, IUCN has established IUCN Publications Depository Libraries among its members at:

- Centro Agronómico Tropical de Investigación y Enseñanza (CATIE, Costa Rica)
- Development Alternatives (India)
- Eco-Centre (France)
- Instituto Mexicano de Recursos Naturales Renovables (IMENAR, Mexico)
- South Pacific Regional Environment Programme (SPREP, Western Samoa)

The data in this section is based on information from several sources and has not been independently confirmed. Spelling inconsistencies may occur when geographic names have differing spellings. The geographic boundaries of regions are based on UNEP-INFOTERRA regions, which places the former Soviet Republics in Eastern Europe.

- 2.1 Africa
- 2.2 America: North
- 2.3 America: Meso
- 2.4 America: South
- 2.5 America: Caribbean

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- 2.6 Asia
- 2.7 Europe: Eastern
- 2.8 Europe: Western
- 2.9 Middle East
- 2.10 Pacific

Libraries, Information Services and Databases

** 2.1 AFRICA

UNEP-Infoterra

Regional Service Centres in Botswana, Egypt, Kenya, Morocco, Senegal, and Tunisia.

Contact: Ms Mmapula Matsheka

INFOTERRA National Focal Point, Department of Town and Regional Planning, Ministry of Local Government and Lands, Private Bag 0042, Gaborone, Botswana

Tel: (267) 35 42 77 / 35 42 85

Fax: (267) 31 32 80 / 35 42 73

Telex: 2589 MLGL BO

E-Mail: unepbot@wn.apc.org

Note: For Southern African countries

INFOTERRA National Focal Point, National Environment Secretariat, Ministry of Environment and Natural Resources, P.O. Box 67839, Nairobi, Kenya

Tel: (254-2) 22 92 61 / 21 80 79 / 21 80 95

Fax:

Telex:

E-mail:

Note: For English-speaking Eastern and Central African Countries

Contact: M. Ahmed Fassi-Fihri

Point focal INFOTERRA, Centre National de Documentation, Hadj Ahmed Cherkaoui, Haut Agdal, B.P. 826, Rabat, Morocco

Tel: (212-7) 77 31 31 / 77 30 04

Fax: (212-7) 77 31 34

Telex: CND 310-52 M

E-Mail: mohamed_firhi@fl.n7951.z5.gnido.fionet.org

Note: For Northern Africa and Western Asia Sub-Regions

Contact: M. Magued Diouf

PFN d'INFOTERRA, Centre National de Documentation Scientifique et Technique (CNDST), Ministère Chargé et de la Modernisation de l'Etat et de la Technologie, 61 Bd Pinet Laprade, B.P. 218, Dakar - RP, Senegal

Tel: (221) 21 51 63 / 22 96 19

Fax: (221) 22 97 64

Telex: 61349 DELINFO SG

E-Mail: chevillo@dakar.orstom.sn

diagnef@mnet.mnet.sn

Note: For French-speaking Central and West African Countries

UNEP-GRID

Regional Archive in Kenya.

UNEP Regional Office for Africa

Contact: Ms Maria de Amorim, Director and Regional Representative

UNEP, S-334, P.O. Box 30552, Nairobi, Kenya

Tel: (254-2) 52 18 40 / 52 18 41

Fax: (254-2) 62 39 28

Telex: 22068 unep.ke

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E-mail:

SEE ALSO

African Development Bank - See Chapter 1

UNEP Coordinating Unit For The Mediterranean Action Plan (MEDU) - See in Western Europe.

IUCN Regional Office For Central Africa

Contact: Mr Assitou Ndinga, Coordinateur

Bureau Régional de l'UICN pour l'Afrique Centrale, 43 Avenue Paul Doumer, B.P. 244, Brazzaville, Congo

Tel: (242) 83 49 08

Fax: (242) 83 49 07

Telex:

E-mail: robc@hq.iucn.ch

IUCN Regional Office For Eastern Africa (EARO)

Contact: Mr Mersie Ejigu, Regional Representative, Regional Office for Eastern Africa, P.O. Box 68200, Wasaa Conservation Centre, Mukoma Road, Langata, Nairobi, Kenya

Tel: (254-2) 89-0605, 89-0612

Fax: (254-2) 89 06 15

Telex: 25190 IUCN EA

E-mail: mee@earo.iucn.ch

IUCN EARO Documentation Collection

Established: 1993

Contact: G. W. Howard

Books: 400; Serials: 25; Maps: ca. 50; A/V: 30

Special collections: Flora of tropical East Africa; Remnants of Peter Greensmith's Library.

Subjects: Conservation; Ecosystems; Wildlife; Environmental planning; Sustainable development; Agriculture; Soils

Geographic area: Africa; Eastern Africa; Indian Ocean, West; Southern Africa; Sahel; Western Africa

Cooperation: Suppliers of four country collections of IUCN publications in Seychelles, Kenya, Uganda, Tanzania.

Databases: Availability of Biodiversity Information for East Africa

Type: Full Text; Mailing List; Referral; Started: 1994; Time period covered: 1900-; Items: ca. 300; Language: En

Database Products: Report; Information analysis; Directory; Diskettes

Contact: Steven G. Njuguna

Databases: Eastern Africa Plant Resources

Type: Full Text; Mailing List; Referral; Terminology; Started: 1994; Time period covered: 1900-; Items: ca. 200;

Language: En; Fr

Database Products: Summary report; Directory; Diskettes

Contact: Steven G. Njuguna

IUCN Regional Office For Southern Africa (ROSA)

Contact: Ms Pontso Mafethe, Communications Programme Coordinator

P.O. Box 745, Harare, Zimbabwe

Tel: (263-4) 72 82 66, 72 82 67

Fax: (263-4) 72 07 38

Telex: 22670 IUCN ZW

E-mail: pon@rosa.iucn.ch

IUCN - ROSA Library

Libraries, Information Services and Databases

Established: 1992

Contact: Ida Tsitsi Sibaya

Books: 1300+; Serials: 40; Maps: 18

Subjects: Natural resources; Environmental management; Environmental conservation; Development

Geographic area: Africa; Southern Africa; Global

Catalogs: Card catalogue

Data: Card catalogue being automated

Other: Searches on request

TRAFFIC East/Southern Africa

Contact: Mr Tom Millikin, Director

c/o The Chief Game Warden, Department of National Parks and Wildlife, P.O. Box 30131, Lolongwe 3, Malawi

Tel: (265) 74 36 45

Fax: (265) 74 36 48

Telex:

E-mail:

National Offices also in South Africa and Tanzania.

WWF Regional Office for Eastern Africa

Contact: Dr. Jean-Pierre d'Huart, Regional Representative

P.O. Box 62440, Nairobi, Kenya

Tel: (254-2) 33 29 63

Fax: (254-2) 33 28 78

Telex: (0987) 25495 WWF EA KE

E-mail:

WWF Africa Communications Network

Contact: Mrs Sandra Obiako, Africa Communications Manager

c/o Nigerian Conservation Foundation, 5 Moseley Road, Ikoyi, Lagos, Nigeria

Tel: (234-1) 26 91 351

Fax: (234-1) 26 91 350

Telex:

E-mail:

**** ALGERIA**

UNEP-Infoterra

Contact: M. Mostefai Abdelhalim, Directeur General

Point Focal Infoterra, Agence Nationale pour la Protection de l'Environnement (ANPE), B.P. 62 Bordj el Bahri, W. Boumerdes, Algérie

Tel: (213-2) 86 14 49 / 86 37 73 / 86 37 74

Fax: (213-2) 86 37 75

Telex: 62560 MHYD DZ

E-mail:

Preferred language: French

Please copy covering letters (not substantive documents) to:

M. S.M. Siahmed, Sous-Directeur, Direction Générale de l'Environnement, Ministère de l'Hydraulique, de l'Environnement et des Forêts, Rue du Caire, Kouba, Alger, Algeria

Tel: (213-2) 58-9500 Telex: 62560 MHYD DZ

NCSD: National Ecological Committee

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Contact: Mr. Ahmed Djoghlaif, Director
c/o Ministry of Foreign Affairs, 6, rue Ibn Batran, El-Mouradia, Algiers, Algeria
Tel: (213-2) 60 47 44
Fax: (213-2) 60 11 64
Telex: 52794
E-mail:

** ANGOLA

UNEP-Infoterra

Contact: Mr Antonio Manuel Francisco Bartolomeu, Environment Officer
INFOTERRA National Focal Point, State's Secretariat of Environment, Luanda, Angola
Tel: (244-2) 33 58 44 / 33 47 09 / 33 46 83 / 33 58 93
Fax: (244-2) 33 26 11
Telex:
E-mail:

Preferred language: French

** BENIN

UNEP-Infoterra

Contact: M. Asse A. Severin, Directeur, Direction de l'Aménagement du Territoire
Ministère de l'Environnement, de l'Habitat et de l'Urbanisme, B.P. 01-3621, Cotonou, Benin
Tel: (229) 30 07 42 / 30 05 41
Fax:
Telex: 5118 MINIPLAN
E-mail:

Preferred language: French

** BOTSWANA

UNEP-Infoterra

Contact: Ms Mmapula Matsheka
Infoterra National Focal Point, Dept. of Town and Regional Planning, Ministry of Local Govt. and Lands,
Private Bag 0042, Gaborone, Botswana
Tel: (267) 35 42 77 / 35 42 85
Fax: (267) 31 32 80 / 35 42 73
Telex: 2589 MLGL BO
E-mail: unepbot@wn.apc.org
Also serves as Infoterra Regional Service Centre.

NCSD: National Conservation Strategy Agency

Contact: Mr Liphuko
Gaborone, Botswana
Tel: (267-31) 30 20 50
Fax:
Telex:
E-mail:

IUCN Country Liaison Office

Contact: Mr Ruud Jansen, IUCN Office Botswana, Private Bag 00300, Plot 712. Ext 2, Gaborone,
Botswana
Tel: (267-31) 37 15 84 / 35 97 03
Fax: (267-31) 37 15 84
Telex: 2412 undp bd

Libraries, Information Services and Databases

E-mail:

IUCN Country Office Library

Established: 1992

Contact:

Books: 645; Serials: 20; Maps: ca. 100; A/V: 25

Subjects: Natural resources; Wildlife conservation

Geographic area: Bostwana

Cooperation: National Institute of Development Research and Documentation

** BURKINA FASO

UNEP-Infoterra

Contact: M. Bruno R. Salo

PFN d'INFOTERRA, Direction de la Prévention des Pollutions et de l'Amélioration du Cadre de Vie (DIPAC), Ministère de l'Environnement, et du Tourisme, 03 B.P. 7044, Ouagadougou 03, Burkina Faso

Tel: (226) 31 19 19

Fax: (226) 30 67 67 / 30 12 32

Telex:

E-mail:

Preferred language: French

IUCN Country Office

Contact: M. Michel Kouda, Chef de la Mission,
01 B.P. 3133, 01 Ouagadougou, Burkina Faso

Tel: (226) 36 21 19

Fax: (226) 30 13 51

Telex: 5371 coopsuis bf

E-mail: rbf1@hq.iucn.hq

** BURUNDI

UNEP-Infoterra

Contact: Dr. Gaspard Bikwemu, Directeur Général

PFN d'INFOTERRA, Institut National pour l'Environnement, et la Conservation de la Nature (INECN),
B.P. 56, Gitega, Burundi

Tel: (257-40) 20 71

Fax: (257-40) 20 75

Telex: 3000

E-mail:

Preferred language: French

** CAMEROON

UNEP-Infoterra

Contact: M. Sapock Ndem Samuel, Directeur de l'Aménagement du Territoire et de l'Environnement
Ministère du Plan et de l'Aménagement du Territoire, Yaounde, Cameroon

Tel: (237) 23 36 72

Fax:

Telex:

E-mail:

Preferred language: French

IUCN Project Office

Contact: Mr Michael Allen, Project Leader,

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B.P. 284, Maroua, Cameroon
Tel: (237) 29 22 68
Fax: (237) 29 22 69
Telex:
E-mail:

WWF Programme Office

Contact: Dr. Steve J. Gartlan
B.P. 6776, Yaounde, Cameroon
Tel: (237) 21 42 41
Fax: (237) 21 42 40
Telex:
E-mail:

** CAPE VERDE

UNEP-Infoterra

Contact: M. Daniel Avelino Pires
Centre de Documentation et Information pour le Développement (CDID), B.P. 120, Praia, Cape Verde
Tel: (238) 61 39 69
Fax: (238) 61 15 27
Telex:
E-mail:

Preferred language: French

** CENTRAL AFRICAN REPUBLIC

UNEP-Infoterra

Contact: M. Emarou Clément, Chef de Service de l'Hygiène du Milieu
Direction de l'Assainissement et de la Salubrité de l'Environnement, B.P. 711, Bangui, Central African Republic
Tel:
Fax:
Telex:
E-mail:

Preferred language: French

** CHAD

UNEP-Infoterra

Contact: Secrétariat d'Etat Chargé de l'Environnement
Direction des Forêts et de la Protection de l'Environnement, P.B. 447, N'Djaména, Chad
Tel: (235) 21 21, ext. 344 & 417
Fax:
Telex: RENSONPT 1116 KO
Cable: UNDEVPRO NDJAMENA
E-mail:

Preferred language: French

** COMOROS

UNEP-Infoterra

Contact: M. Aboulhouda Youssouf Ibrahim, Le Directeur Général de l'Environnement
Direction Générale de l'Environnement, B.P. 41, Moroni, Comoros
Tel: (269) 74 46 36
Fax: (269) 74 46 32

Libraries, Information Services and Databases

Telex:

E-mail:

Preferred language: French

** CONGO

UNEP-Infoterra

Contact: Marius Issanga-Ngamissimi, Directeur Général de l'Environnement

Point Focal National Infoterra, Direction Générale de l'Environnement, B.P. 958, Brazzaville, Congo

Tel: (242) 83 30 46

Fax: (242) 83 71 50 or c/o UNDP (242) 83 39 87

Telex: PRECONGO 5210 KG

E-mail:

Preferred language: French

IUCN Project Office

Contact: M. Assitou Ndinga, Chargé de mission

5c bis rue Dongou, Ouenze, Brazzaville, Congo

Tel: (242) 82 14 48

Fax: (242) 82 02 37

Telex:

E-mail: robc@hq.iucn.ch

** COTE D'IVOIRE

UNEP-Infoterra

Contact: M. Kouakou James Koffi, Manager

P.F.N. Infoterra, Nour Al Hayat, 2e Etage Porte 8, B.P. V 67, Abidjan, Côte d'Ivoire

Tel: (225) 22 53 54

Fax:

Telex: 23 399 MINI MACI

E-mail:

Preferred language: French

WWF Representative

Contact: Dr. Francis Lauginie, Représentation WWF

08 B.P. 1776, Abidjan 08, Côte d'Ivoire

Tel: (225) 44 87 86

Fax: (225) 44 87 74

Telex:

E-mail:

** DJIBOUTI

UNEP-Infoterra

Contact: M. Anis Abdallah, Director

Institut Supérieur d'Etudes et des Recherches Scientifiques et Techniques, B.P. 486, Djibouti

Tel: (253) 35 27 95

Fax: (253) 35 48 12

Telex: 5811 OBSIDJIB DJ

E-mail:

Preferred language: French

** EGYPT

UNEP-Infoterra

A Sourcebook for Conservation and Biological Diversity Information

Contact: Director General

Executive Office for Environmental Information, Academy for Scientific Research & Technology, 101 Kasr
El Aine Street, Cairo, Egypt

Tel: (20-2) 31 985

Fax:

Telex: 93069 ARST UN

E-mail:

NCSD: Egyptian Environmental Affairs Agency (EEAA)

Contact: Salah Hafez, Chairman-in-Charge

17 Tiba Street, Mohandessin/Dokki, Giza, Egypt

Tel: (20-2) 36 01 191 / 36 01 839 / 36 01 391 / 36 01 326

Fax: (20-2) 36 10 764

Telex: 93794 WAZRA UN

E-mail:

Mission: In co-operation with the Ministry of Foreign Affairs, EEAA advises and consults on matters concerning environmental protection. EEAA is obligated to the implementation of recommendations and Resolutions of UNCED regarding sustainable development, climate change and biological diversity, preparation of the National Report and Action Plan of environment, preparation of studies and reports about the environmental status necessary to support decision makers in matters requesting technical advice and promoting a public awareness of the importance and appropriate uses of natural and cultural resources.

**** ERITREA**

UNEP-Infoterra

Contact: INFOTERRA National Focal Point, c/o Ministry of Agriculture, P.O. Box 1048, Asmara, Eritrea

Tel: (291-1) 18 10 77

Fax: (291-1) 18 14 15

Telex:

E-mail:

**** ETHIOPIA**

UNEP-Infoterra

Contact: INFOTERRA National Focal Point, Documentation & Information, National Environment
Protection Authority, P.O. Box 12760, Addis Ababa, Ethiopia

Tel:

Fax:

Telex:

E-mail:

NCSD: National Environment Protection Authority

Contact: Dr. Mesfin Abebe, Minister

Ministry of Natural Resource Development and Environmental Protection, P.O. Box 1034, Addis Adaba,
Ethiopia

Tel: (251-1) 15 24 68

Fax: (251-1) 51 30 42

Telex:

E-mail:

Established: 1993

**** GABON**

UNEP-Infoterra

Libraries, Information Services and Databases

Contact: M. J. Marcel Malolas, Directeur des Etudes de l'Environnement
Point Focal PNUE/Infoterra, Direction Générale de l'Environnement et de la Protection de la Nature, B.P.
3903, Libreville, Gabon
Tel: (241) 73 17 07 / 73 08 73
Fax:
Telex:
E-mail:

Preferred language: French

WWF Representative

Contact: Robert Kasisi
WWF Programme pour le Gabon, B.P. 9144, Libreville, Gabon
Tel: (241) 73 00 28
Fax: (241) 73 80 56
Telex:
E-mail:

** GAMBIA

NCSD: National Environment Management Council of Ministers

Contact: Ms. Ndey-Isatou Njie, Executive Director, National Environment Agency, 5 Fitzgerald Street,
PMB 48, Banjul, Gambia
Tel: (220) 22 80 56
Fax: (220) 22 97 01
Telex:
E-mail:

** GHANA

UNEP-Infoterra

Contact: Executive Director, Infoterra NFP
Environmental Protection Agency, P.O. Box M.326, Accra, Ghana
Tel: (233-21) 66 46 97 / 66 46 98
Fax: (233-21) 66 26 90
Telex: 2609 ENVIRON GH
E-mail:

NCSD: Environment Protection Committee

Contact: Mr. Abdullah Iddrisu, Chief Director
Ministry of the Environment, P.O. Box M.232, Accra, Ghana
Tel: (233-21) 66 67 99
Fax: (233-21) 66 68 28
Telex:
E-mail:

IUCN Project Office

Contact: Dr. John Grainger
c/o Game & Wildlife Department, Ministry of Lands & Natural Resources, P.O. Box M.239, Accra,
Ghana
Tel: (233-21) 66 61 29
Fax: (233-21) 66 64 76
Telex:
E-mail:

A Sourcebook for Conservation and Biological Diversity Information

** GUINEA

UNEP-Infoterra

Contact: Mme. Aissatou Bah, Direction Nationale de l'environnement, Ministère des Ressources Naturelles et de l'Environnement, B.P. 3118, Conakry, Guinea

Tel: (224-4) 44 37 42 / 44 38 68

Fax:

Telex: 22 350 MINEGEOGE

E-mail:

Preferred language: French

NCSD: Ministry of Natural Resources, Energy and Environment

Contact: Ministry of Natural Resources, Energy & Environment

B.P. 295, Conakry, Guinea

Tel: (224-4) 44 11 86

Fax:

Telex: 22350

E-mail:

** GUINEA-BISSAU

UNEP-Infoterra

Contact: M. Cipriano Cassama, Directeur Général

Direction des Forêts et de la Chasse, Ministère du Développement Rural et de l'Agriculture, B.P. 71, Bissau, Guinea-Bissau

Tel: (245) 21 54 74

Fax:

Telex:

E-mail:

Preferred language: French

NCSD: Conselho Nacional do Ambiente [National Environment Council]

Contact: Dr. Carlos Rui Ribeiro

S/C PHUD-Bissau, B.P. 179, Bissau, Guinea-Bissau

Tel: (245) 25 18 02 / 20 10 82

Fax: (245) 25 11 25 / 20 17 53

Established: 1993 January

IUCN Project Office

Contact: Mr Pierre Campredon, Project Leader

B.P. 23, 1031 Bissau-Codex, Guinea-Bissau

Tel: (245) 20 12 30 / 21 39 76

Fax: (245) 20 11 68

Telex:

E-mail:

** KENYA

UNEP-Infoterra

Contact: National Environment Secretariat, Ministry of Environment & National Resources, P.O. Box 67839, Nairobi, Kenya

Tel: (254-2) 22 92 61 / 21 80 79 / 21 80 95

Fax:

Telex:

Libraries, Information Services and Databases

E-mail:

Also serves as Infoterra Regional Service Centre.

UNEP-GRID: Global Resource Information Database

Contact: Norberto Fernandez, Facility manager
GRID-Nairobi, UNEP, P.O. Box 30552, Nairobi, Kenya
Tel: (254-2) 23 08 00, ext. 4186
Fax: (254-2) 22 64 91
Telex: 22068 UENP-KE
E-mail: unep.hq.grid@cgnnet.com

GRID - Nairobi Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring; Maps

Geographic area: Global

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

Databases: GRID

Type: GIS; Referral; Started: 1985; Items: 5000+; Language: En

Online access: Yes

Contact: Laura Mezzaros

NCSD: National Environment Secretariat

Contact: Mr. R.Z. Mugo, Director
Ministry of Environment, P.O. Box 67839, Nairobi, Kenya
Tel: (254-2) 33 23 83
Fax:
Telex:
E-mail:

IUCN Member Library

African Wildlife Foundation (AWF)

Contact: Eliud Mutwiri, Information Officer
P.O. Box 48177, Nairobi, Kenya
Tel: (254-2) 71 03 67
Fax: (254-2) 71 03 72
Telex: 22152 AWF KE
E-mail:

AWF Resource Library

Established: 1986

Books: 400; Maps: 710; Photos: 1530; A/V: 550

Special collections: AWF project reports

Subjects: Wildlife conservation

Geographic area: Africa

Publications: Wildlife News

**** LESOTHO**

UNEP-Infoterra

Contact: Director

A Sourcebook for Conservation and Biological Diversity Information

Institute of Education, National University of Lesotho, P.O. Roma 180, Lesotho
Tel: (266) 34 06 01 / 34 03 69 (Do not use city code)
Fax: (266) 34 00 00
Telex: 4303 UNITER LO
E-mail: uneples@wn.apc.org
uneples@ied.nul.ls

**** LIBERIA**

UNEP-Infoterra

Contact: Hon. James H. Lewis, Jr., Acting Assistant Minister
Research and Development Planning, Ministry of Internal Affairs, Monrovia, Liberia
Tel:
Fax:
Telex:
E-mail:

**** LIBYAN ARAB JAMAHIRIYA**

UNEP-Infoterra

Contact: Dr. Abdulfattah Boargob
Technical Center for Environmental Protection, P.O. Box 83618, Tripoli, Libyan Arab Jamahiraya
Tel: (218-21) 48 452 / 45 795 / 46 868
Fax: (218-21) 38 098
Telex: 20381 TCEP LY
E-mail:

**** MADAGASCAR**

UNEP-Infoterra

Contact: M. Finoana Henri, Directeur des Eaux et Forêts
Direction des Eaux et Forêts, Nanisana, B.P. 243, Antananarivo, Madagascar
Tel: (261-2) 40 811
Fax: (261-2) 40 230
Telex:
E-mail:

Preferred language: French

WWF Representative

Contact: Dr. Sheila O'Connor
Représentation WWF, B.P. 738, Antananarivo 101, Madagascar
Tel: (261-2) 34 885 / 34 638
Fax: (261-2) 34 888
Telex: 22459 prodro mg
E-mail:

IUCN Member Library

Académie Malgache (A.M.)

Contact: Ranaivo Razakatiana, Angelica
Tsimbazaza, Rue Fernand Kasanga, P.O. Box 6217, Antananarivo, Madagascar
Tel: (261-2) 21 084
Fax: (261-2) 21 084
Telex:
E-mail:

Libraries, Information Services and Databases

Académie Malgache, Bibliothèque

Established: 1902

Books: 26000; Serials: 50; Maps: 130

Special collections: Fond Grandidier, Antanarivo Annual, Dictionnaire : Firaketana, SORABE

Subjects: History - Madagascar; Linguistics; Ethnographics

Geographic area: Madagascar; Indian Ocean - South West

Cooperation: Links with Bibliothèque Universitaire and the Centre d'Information et Documentation Scientifique et Technique; CIDST

Library publications: Bulletin de l'Académie Malgache

** MALAWI

UNEP-Infoterra

Contact: Mr. D.C.W. Kambauwa, Principal Secretary, Ministry of Research and Environmental Affairs,
P.O. Box 30745, Lilongwe 3, Malawi

Tel: (265) 78 11 11

Fax: (265) 78 14 87

Telex: 45311 DREA MI

E-mail: JCHUMA@UNIMA.wn.apc.org

** MALI

UNEP-Infoterra

Contact: Mme. Nissama Haoua Coulibaly, Le Chef de la Division Environnement, Direction Nationale des
Eaux et Forêts, Ministère de l'Environnement, B.P. 275, Bamako, Mali

Tel: (223) 22 58 50 / 22 59 73

Fax:

Telex: EForet 2615 Mj

E-mail:

Preferred language: French

IUCN Country Office

Contact: Mr Seydou Bouare

B.P. 1567, Bamako, Mali

Tel: (223) 22 75 72

Fax: (223) 23 00 92

Telex:

E-mail:

IUCN Project Office Mali (Walia)

Contact: Adama Dasu

B.P. 215, Mopti, Mali

Tel: (223) 42 01 56

Fax: (223) 42 00 52

Telex:

E-mail:

** MAURITANIA

UNEP-Infoterra

Contact: Mr. Brahim Sall, Coordonateur PMLCD Mauritanie

Direction de l'Environnement et de l'Aménagement Rural, B.P. 170, Nouakchott, Mauritania

Tel: (222-2) 51 763

Fax: (222-2) 56 358

Telex:

A Sourcebook for Conservation and Biological Diversity Information

E-mail:

Preferred language: French

IUCN Project Office Mauritania

Contact: Mr Oliver Hamerlynk
B.P. 3935, Nouakchott, Mauritania
Tel: (222-2) 56 922
Fax: (222-2) 56 922
Telex:
E-mail:

**** MAURITIUS**

UNEP-Infoterra

Contact: Mr. R.H Prayag, Director
Department of Environment, Ministry of Environment and Land Use, Ken Lee Tower, Line Barracks
Street, Port Louis, Mauritius
Tel: (230) 212 60 80
Fax: (230) 212 66 71
Telex:
E-mail:

IUCN Member Library

Ministry of Agriculture and Natural Resources, National Parks and Conservation Service (NPLS)

Contact: Y. Mungroo; M.E. Dulloo
Ministry of Agriculture & Natural Resources, National Parks & Conservation Service, Reduit, Mauritius
Tel: (230) 464 40 16
Fax: (230) 464 87 49
Telex:
E-mail:

NPLS Library

Established: 1991
Books: 80; Serials: 31; Photos: 800 (slides); A/V: 4
Subjects: Wildlife Conservation; Ecology
Geographic area: Mauritius

Databases: Plants Database

Type: Factual; Started: 1994; Items: 1167; Language: En

Database Products: Flora list

Contact: Y. Mungroo; M.E. Dulloo

**** MOROCCO**

UNEP-Infoterra

Contact: M.A. Fassi-Fihri
Centre National de Documentation, Hadj Ahmed Cherkaoui, Haut Agdal, B.P. 826, Rabat, Morocco
Tel: (212-7) 77 31 31 / 77 30 04
Fax: (212-7) 77 31 34
Telex: CND 310-51 M
E-mail: mohamed_firhi@fl.n7951.z5.gnfnido.fidonet.org

Also serves as Infoterra Regional Service Centre.

Preferred language: French

Libraries, Information Services and Databases

NCSD: Sous Secrétariat d'Etat auprès du Ministre de l'Intérieur

Contact: Chargé de la Protection de l'Environnement
Ministry of State for Foreign Affairs and Cooperation, Morocco
Tel: (212-7) 76 42 22 / 73 02 90
Fax: (212-7) 73 08 71 / 76 21 84
Telex:
E-mail:

**** MOZAMBIQUE**

UNEP-Infoterra

Contact: Ms. Jacinta Carlos, Statistical Officer
Documentation & Information Centre, National Environment Commission - NEC, Ave. Acordos de Lusaka
2115, C.P. 2020, Maputo, Mozambique
Tel: (258-1) 46 58 48 / 46 58 43 / 46 58 51
Fax: (258-1) 46 58 49
Telex: 6962 CNMA MO
E-mail: jacinta@ambinet.uem.mz / cnamoz@ambinet.uem.mz

Preferred language: Spanish.

**** NAMIBIA**

UNEP-Infoterra

Contact: Dr. C.J. Brown, Head, Environmental Affairs
Directorate of Environmental Affairs, Ministry of Wildlife, Conservation and Tourism, Private Bag 13306,
Windhoek, Namibia
Tel: (264-61) 24 91 05
Fax: (264-61) 63 195
Telex:
E-mail:

NCSD: Ministry of Wildlife, Nature, Conservation and Tourism

Contact: Mr. Hanno Runpf, Permanent Secretary
Private Bag 13346, Government Offices, West Wing, Fifth Floor, Windhoek, Namibia
Tel: (264-61) 22 02 41
Fax: (264-61) 22 99 36
Telex:
E-mail:

**** NIGER**

UNEP-Infoterra

Contact: M. Algrabi Oussamane
Division Documentation et Archivage, Service des Aménagements Forestiers, B.P. 578 Ou 12520, Niamey,
Niger
Tel:
Fax:
Telex:
E-mail:

Preferred language: French

IUCN Country Office

Contact: M. Anada Tiega Chef de la Mission, B.P. 10933, Niamey, Niger
Tel: (227) 75 31 38
Fax: (227) 75 22 15

A Sourcebook for Conservation and Biological Diversity Information

Telex: 5505 coopsuis ni
E-mail: rneo@hq.iucn.ch

IUCN Niger Library

Books: ca. 800; Serials: ca. 70; Maps: ca. 10; Photos: 1017; A/V: 17
Subjects: Nature conservation
Geographic area: Niger; Global
Data Available: Journals; Slides; Ready made slide series; Video films

IUCN Member Library

Ministère de l'Agriculture et de l'Élevage [Ministry of Agriculture]

Contact: Harouna Danladi, Head Librarian
Ministère de l'Agriculture et de l'Élevage, B.P. 12 091, Niamey, Niger
Tel: (227) 73 20 58
Fax:
Telex:
E-mail:

Centre d'Information et de Documentation pour le Développement Rural
Established: 1986

Contact: Harouna Danladi, Head Librarian; Anifa Abdourhini, Archivist; Aminatou Boukary, Archivist
Books: 4059; Serials: 12; Maps: 140; Microform: 1060; Photos: 33
Special collections: Collection of: Journal Officiel de la République du Niger
Subjects: Agriculture; Breeding
Geographic area: Niger

Data: ORG (Institutions); CATDOC (Bibliographique); LEG (Textes de loi); PERDOC (Périodiques)
Other: CD-ROM AGRIS, FAO et SESAME (CIRAD)
Cooperation: Liaison Office for AGRIS; National Correspondent Centre RESADOC
Library publications: New acquisitions.

IUCN Member Library

Ministère de l'Hydraulique et de l'Environnement (MHE) [Ministry of Hydraulics and Environment]

Contact: Sani Ibrahim, Documentalist; Mouma Ahamadou, Documentalist
MHE, P.O. Box 257, Niamey, Niger
Tel: (227) 72 28 35
Fax:
Telex: 5509 Mihenvir
E-mail:

Centre d'Information et de Documentation en Hydraulique et Environnement
Established: 1992

Books: ca. 2000; Serials: ca. 20; Maps: 15
Special collections: Inventory of watering places in each village
Subjects: Hydraulic; Geology; Hydrology; Hydrogeology; Environment
Geographic area: Niger; West Africa
Data: CIDHE

IUCN Member Library

Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM)

Contact: Amadou Tahirou, Documentalist; Hadiara Nafoga, Documentalist Assistant

Libraries, Information Services and Databases

ORSTOM, Av. de Maradi, P.O. Box 11416, Niamey, Niger

Tel: (227) 75 31 15 / 75 26 10 / 75 38 27

Fax: (227) 75 28 04 / 75 20 54

Telex:

E-mail: amadou@niamey.orstom.fr

Centre de documentation ORSTOM-Niger

Established: 1991

Books: 4700; Serials: 60; Maps: 160; Microform: 45; A/V: 13

Special collections: Current Contents on diskettes

Subjects: Earth sciences; Archeology; Agriculture; Social sciences

Geographic area: Niger; Sahel; West Africa; Central Africa

Catalogs: Periodicals catalogue

Data: NIGERHOR; SESAME

Publications: Available

IUCN Member Library

Département de Formation en Protection des Végétaux (DFPV) [Department of Crop Protection Training]

Contact: Rijks Jongbloed, Information Officer; Tiemoko Issougou, Documentalist

B.P. 12625 Niamey, Niamey, Niger

Tel: (227) 73 21 81

Fax: (227) 73 22 37

Telex: 5545 DFPU NI

E-mail:

Volet-Information

Established: 1987

Books: 1165; Serials: 100; A/V: 30

Subjects: Crops

Geographic area: Sahel

Data: DFPV; JOURN; DIFF; VIDEO; SRLS; RECBI

Cooperation: ORSTOM; ICRISAT

Library publications: Bulletin signalétique; Bulletin thématique; Lettre de liaison

** NIGERIA

UNEP-Infoterra

Contact: Mr. Philip O. Bankole, Principal Environmental Scientist,

Federal Environmental Protection Agency, The Presidency, Independence Way South, Central Area,

P.M.B. 265, Garki, Abuja, Nigeria

Tel: (234-9) 52 22 368 / 52 22 377

Fax: (234-9) 52 33 373

Telex:

E-mail: FEPA@FEPA.gn.apc.org

NSCD: Federal Environmental Protection Agency

Contact: Dr. O. Adegoye

Fed Sec. Phase 2, Ikoyi

Lagos, Nigeria

Tel: (234-1) 26 13 412

Fax:

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IUCN Project Office

Contact: Dr Muhtari Aminu-Kano, Project Director
P.O. Box 32, Kano, Nigeria
Tel:
Fax: (234 64) 669051
Telex:
E-mail:

WWF Affiliate

Nigerian Conservation Foundation

Contact: Mrs. Uzoamaka P. Egbuche
P.O. Box 74638, Victoria Island, Lagos, Nigeria
Tel: (234-1) 26 94 021 / 26 94 220
Fax: (234-1) 26 94 020
Telex:
E-mail:

IUCN Member Library

Nigerian Conservation Foundation (NCF)

Contact: T.O. Okusaga, Library Resources Officer
Plot 5 Moseley Road, Ikoyi, P.O. Box 74638, Victoria Island, Lagos, Nigeria
Tel: (234-1) 68 61 63 / 68 47 17 / 68 73 85 / 68 61 63
Fax: (234 1) 68 47 17
Telex:
E-mail:

NCF Library Resources Centre

Established: 1992

Books: 1574; Serials: 137; A/V: 65

Subjects: Environmental education; Ecology; Ecosystem; Global change; Nature conservation; Protected areas; Sustainable development

Geographic area: Nigeria

Catalogs: Card catalogue

Other: Exchange service

Publications: Tortoise; NCF Newsletter; Treasure of the Peninsula; Other publications available

Library publications: Reader's guide to the NCF Library; Tables of content; New Book announcements

IUCN IUCN Project Office

Hadejia-Nguru Wetlands Conservation Project (HNWCP)

Contact: Ms. Gert Polet, Project Advisor; Ms Hyelni Bitrus
Nguru, Kano, Po Box 32, Yobe State, Nigeria
Tel:
Fax: (234-64) 66 90 51
Telex:
E-mail:

HNWCP Library

Established: 1993

Books: 415; Serials: 317; Maps: 3; Photos: 50; A/V: 15

Subjects: Wetlands; Wetland conservation; Wildlife conservation; Sustainable development; Agroforestry

Geographic area: Africa; Sahel; Nigeria

Libraries, Information Services and Databases

** RWANDA

UNEP-Infoterra

Contact: M. Jean Nepomucene Nayinzira, Ministère de l'Environnement et du Tourisme, B.P. 2378, Kigali, Rwanda

Tel: (250) 7 7454

Fax: (250) 7 6958

Telex:

E-mail:

Preferred language: French

NCSD: Ministry of Environment and Tourism

Contact: Gaspard Ruhumuliza, Minister

Ministère de l'Environnement et du Tourisme, Kigali, Rwanda

Tel:

Fax:

Telex:

E-mail:

** SAO TOME & PRINCIPE

UNEP-Infoterra

Contact: Mr. Joao da Conceicao, Hydraulic Engineer

Direccao de Ordenamento do Territorio e Meio Ambiente, C.P. No. 67, Sao Tome & Principe

Tel:

Fax:

Telex:

E-mail:

Preferred language: French

** SENEGAL

UNEP-Infoterra

Contact: M. Maged Diouf

Centre National de Documentation Scientifique et Technique (CNDST), Ministère Chargé de la Modernisation de l'Etat et de la Technologie, 61 Bd Pinet-Laprade, B.P. 218, Dakar - RP, Senegal

Tel: (221) 21 51 63 / 22 96 19

Fax: (221) 22 97 64

Telex: 61349 DELINFO SG

E-mail: diagnef@mnet.mnet.sn / chevillo@dakar.orstom.sn

Also serves as Infoterra Regional Service Centre.

Preferred language: French

NCSD: National Commission on Sustainable Development

Contact: Abdoulaye Bathily, Minister

c/o Ministry of Environment and Nature Protection, Dakar, Senegal

Tel:

Fax:

IUCN Country Office

Contact: Abdoulaye Ndiaye, Coordinateur

Le Bureau de l'IUCN Dakar

B.P. 3215, Avenue Bourguiba x Rue 3, Castors, Dakar, Senegal

Tel: (221) 24 05 45

Fax: (221) 24 92 46

A Sourcebook for Conservation and Biological Diversity Information

Telex:
E-mail: dakar@hq.iucn.ch

IUCN Member Library

Centre de Suivi Ecologique (CSE) [Ecological Monitoring Centre (EMC)]

Contact: Djibril Ndiaye, Documentaliste
Rue Leon Gontran Damas, Fann résidence, 154 PNUD, Dakar, Senegal
Tel: (221) 25 80 66 / 25 80 67
Fax: (221) 25 81 68
Telex:
E-mail:

Unité d'Information et de Relation publique

Established: 1987

Books: 2500; Serials: 40; Maps: 203; Photos: 200; A/V: 10

Subjects: Ecology; Remote sensing; Environment; Forestry; Agriculture; Livestock; Rangelands

Geographic area: Sahel

Data: Biblio-Index

Other: SQR for internal users

Cooperation: Agricultural documentation network of Senegal
Sahelian documentation network

Publications: Reports on ecological monitoring

Library publications: Index; Information Bulletin

IUCN Member Library

Institut des Sciences de l'Environnement (ISE) [Institute of Environmental Sciences]

Université Cheikh Anta DIOP, Dakar, Senegal
Tel: (221) 24 23 02
Fax: (221) 24 37 14 / 24 23 02
Telex:
E-mail: ise@endadak.en.apc.org

ISE Library

Books: 3000; Serials: 20

Subjects: Environment

Geographic area: Senegal; Africa

**** SEYCHELLES**

UNEP-Infoterra

Contact: Mrs. Mary Stravens, Director General,
Division of Environment, P.O. Box 445, Victoria, Mahe, Seychelles
Tel: (248) 22 46 44
Fax: (248) 22 45 00
Telex:
E-mail:

NSCD: Ministry of Foreign Affairs, Planning & Environment

Contact: Calixte D'Offay, Director General, External Relations
National House, P.O. Box 656, Victoria, Mahe, Seychelles
Tel: (248) 24 688
Fax: (248) 24 845

Libraries, Information Services and Databases

IUCN Project Office

Contact: Dr Nirmal Shah, Technical Advisor
ENVI RO, PO Box 699, Mahe, Seychelles
Tel:
Fax:
Telex:
E-mail:

IUCN Member Library

Department of Environment, Ministry of Foreign Affairs, Planning & Environment

Contact: Judy Cedras, Education Officer
Box 445, Mt. Fleuri, Victoria, Male, Seychelles
Tel: (248) 22 46 44
Fax: (248) 22 45 00
Telex:
E-mail:

DOE Documentation Centre

Books: 352; Serials: 28; A/V: 10

Subjects: Environmental management; Environmental conservation; Marine ecosystems; Forestry; Pollution; Biodiversity

Geographic area: Seychelles; Global

Data: MIBIS; RECOSEX W10

Type: Full text; Referral; Terminology

Language: En; Fr

Publications: Data available on diskette by arrangement

** SIERRA LEONE

UNEP-Infoterra

Contact: Mr. Ibrahim M. Kamara, Project Coordinator
c/o The Director, Land and Water Development Division, P.O. Box 187, Tower Hill, Freetown, Sierra Leone
Tel: (232-22) 22 26 21
Fax:
Telex:
E-mail:

** SOMALIA

UNEP-Infoterra

Contact: Mr. Ismail Deria Gammadid, Director
Department of Forestry--National Range Agency, c/o UN Development Programme, P.O. Box 24, Mogadiscio, Somalia
Tel:
Fax:
Telex:
E-mail:

** SOUTH AFRICA

UNEP-Infoterra

Contact: Dr. J.R. Pretorius, Chief, Directorate Environmental Management
Department of Environmental Affairs and Tourism, Private Bag X447, Pretoria 0001, South Africa

A Sourcebook for Conservation and Biological Diversity Information

Tel: (27-12) 310-3713
Fax: (27-12) 322-6287
Telex:
E-mail:

IUCN National Committee

Contact: Mr. Antona A. Ferrar, Chairman
South African National Committee for IUCN, c/o The Wildlife Society of Southern Africa, "Norhtwards",
1 Rockridge Road, Parktown 2193, Johannesburg, South Africa
Tel: (011) 482-1670
Fax: (011) 482-2436
Telex:
E-mail:

TRAFFIC-South Africa

Contact: David Newton, National Representative
c/o Endangered Wildlife Trust, Private Bag XII, Parkview 2122, South Africa
Tel: (27-11) 486-1102
Fax: (27-11) 486-1506
Telex:
E-mail:

WWF-South Africa

Contact: Dr. John Hanks, Director
P.O. Box 456, Stellenbosch 7599, South Africa
Tel: (27-21) 887-2801
Fax: (27-21) 887-9517
Telex: 095 9555421 rupint sa
E-mail:

IUCN Member Library

Institute of Natural Resources, University of Natal (INR)

Contact: P. Liebetrau, Librarian
P.O. Box 375, Pietermaritzburg 3200, South Africa
Tel: (27-331) 68 317
Fax: (27-331) 68 891
Telex:
E-mail:

INR Library

Established: 1990

Subjects: Environmental policy; Environmental management; Rural development

Geographic area: South Africa, Natal; South Africa

Data: University of Natal library database

Publications: List available

IUCN Member Library

Oceanographic Research Institute, South African Association for Marine Biological Research (SAAMBR/ORI)

Contact: Wendy-Lou Vosloo, Librarian; Dhanasagree Monica Moodley, Library Assistant
P.O. Box 10712, Marine Parade 4056, Durban 4001, South Africa
Tel: (27-31) 37 35 36

Libraries, Information Services and Databases

Fax: (27-31) 37 21 32
Telex:
E-mail: ori@superbowl.und.ac.za

ORI Library, David H. Davies Memorial Library
Established: 1958
Books: ca. 13500; Serials: ca. 500; Maps: ca. 205; Microform: ca. 20;
Photos: ca. 2000; A/V: ca. 50
Special collections: PH Boshoff Coral Collection (Books)
Subjects: Marine biology
Geographic area: South Africa, Natal; Indian Ocean, South West
Catalogs: Card catalogue and computer catalogue (Biblios)

Data: ASFA database on CD-ROM; Exchange partner (on Q and A)
Publications: Investigational reports; Bulletins; Posters; Special publications; ORI unpublished reports (available by special request to the library)

IUCN Member Library

Southern African Nature Foundation (SANF)

116 Dorp Street, Stellenbosch 7600, P.O. Box 456, South Africa
Tel: (27-21) 887-2801
Fax: (27-21) 887-9517
Telex: 9 555 421 (Rupint)
E-mail: imacdon@wwf.za

SANF Library
Established: 1992
Books: ca. 500; Serials: ca. 20; A/V: ca. 100
Special collections: Slide collection
Subjects: Environmental conservation; Ecology
Geographic area: Southern Africa
Publications: Our Living World; Quarterly Popular Magazine; Env. Auditing for SA Managers; Caring for the Earth (South African Edition)

**** SUDAN**

UNEP-Infoterra

Contact: Ms. Cecile Wesley, Director
Documentation and Information Centre, National Centre for Research, P.O. Box 2404, Khartoum, Sudan
Tel: (249-11) 70 776
Fax: (249-11) 70 701
Telex: 22342 ILMI SD
E-mail:

NCSD: Higher Council for Environment and Natural Resources (HCENR)

Contact: Mohamed Abdalla Ali, Secretary General
P.O. Box 10488, Khartoum, Sudan
Tel: (249-11) 84 279
Fax:
Telex: 22214 UNDP SD
E-mail:

Mission: The Secretary-General of the HCENR was appointed just before UNCED. Currently, the HCENR is

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actively involved in all activities related to development and environment.

** SWAZILAND

UNEP-Infoterra

Contact: Mr. J.D. Vilakati, Executive Director
Environmental Authority, Ministry of Natural Resources and Energy, P.O. Box 57, Mbabane, Swaziland
Tel: (268) 46 22 44 / 46 22 45/46/47/48
Fax: (268) 42 436 / 41 719
Telex: 2301 WD
E-mail: unepswa@wn.apc.org

** TANZANIA

UNEP-Infoterra

Contact: Mr. G.L. Kamukala, Director-General
National Environment Management Council, Tancot House, P.O. Box 63154, Dar es Salaam, Tanzania
Tel: (255-51) 34 603 / 27 815 / 27 816
Fax: (255-51) 34 603
Telex: 41959 NEMACO TZ
E-mail: uneptan@hnettan.gn.apc.org

NCSD: Ministry of Tourism, Natural Resources and Environment

Contact: Eric Mugurusi, Director, Environment
NBC Bank Building, 2nd Floor, Room 11, Samora Avenue, P.O. Box 9132, Dar-es-Salaam, Tanzania
Tel: (255-51) 21 241
Fax: (255-51) 23 244 / 23 230 / 46 106
Telex:
E-mail:

IUCN Project Office (National Parks)

c/o Tanzania National Parks, P.O. Box 3134, Arusha, Tanzania
Tel: (255-57) 34 71, ext. 1617
Fax: (255-57) 34 72
Telex:
E-mail:

IUCN Project Office (Usambaras)

P.O. Box 1, Amani via Muheza, Tanga, Tanzania
Tel: (255-53) 42 620
Fax: (255-53) 42 620
Telex:
E-mail:

TRAFFIC-Tanzania

Contact: Alison Rosser, National Representative
c/o PAWM, Department of Wildlife, P.O. Box 63150, Dar es Salaam, Tanzania
Tel: (255-51) 25 593
Fax: (255-51) 29 355
Telex:
E-mail:

WWF Country Office

Contact: Mr. John I. Boshe

Libraries, Information Services and Databases

P.O. Box 63117, Dar es Salaam, Tanzania
Tel: (255-51) 22 664 / 28 468
Fax: (255-51) 46 232
Telex: (0989) 81 117 wwf tz
E-mail:

** TOGO

UNEP-Infoterra

Contact: M. Folly Koudanou, Chargé PFN d'Infoterra
Ministère de l'Environnement et du Tourisme, B.P. 3114, Lomé, Togo
Tel: (22-8) 21 52 85 / 21 53 52
Fax: (22-8) 21 89 27
Telex: 5007 HAUCOM TG
E-mail:

Preferred language: French

NCSD: Ministry of Rural Development, Environment, and Tourism

Contact: Kossi Nicholas Nomedji, Minister
Avenue de Sarawaka, Lomé, Togo
Tel: (22-8) 21 56 71
Fax:

** TUNISIA

UNEP-Infoterra

Contact: M. Nejib Daouas
Ministère de l'Environnement et de l'Aménagement du Territoire, Centre Urbain Nord, Imm. I.C.F., 2080
Ariana, Tunisia
Tel: (216-1) 70 40 00
Fax: (216-1) 70 24 31
Telex: 13140
E-mail:

Also serves as Infoterra Regional Service Centre.

Preferred language: French

NCSD: Commission Nationale pour le Développement Durable (CNDD) [National Commission for Sustainable Development]

Contact: Monsieur le Premier Ministre, Président de la CNDD
Premier Ministère, Place de la Kasba, Tunis, Tunisie
Tel: (216-1) 70 31 61 / 70 33 94
Fax: (216-1) 70 24 31

Created by the Prime Minister, the NSDC duties are as follows:

- 1) to elaborate and put in place a strategy and a plan of action for sustainable development;
- 2) to integrate questions about the environment in politics and development programs;
- 3) to help harmonize the relationship between development, environmental preservation and environmental protection;
- 4) to preserve the rights of future generations to have a healthy and viable environment.

Established: 1993 October 11

** UGANDA

UNEP-Infoterra

Contact: Ms. Elizabeth Nalubega Gowa, Information Specialist

A Sourcebook for Conservation and Biological Diversity Information

National Environment Information Centre, Ministry of Natural Resources, P.O. Box 9629, Kampala, Uganda

Tel: (256-41) 23 68 12 / 24 36 13

Fax: (256-41) 23 26 80 / 23 68 19

Telex:

E-Mail: neic@mukla.gn.apc.org

NCSD: National Environment Action Plan (NEAP)

Contact: Aryamanya-Mugisha H., NEAP Coordinator

Ministry of Water, Energy, Minerals and Environment Protection, Metropole House-Plot 8/10 Ebb. Rd., P.O. Box 9629, Kampala, Uganda

Tel: (256-41) 23 68 17 / 23 68 18 / 23 68 19

Fax: (256-41) 23 68 19

Telex: 61007

E-mail:

Mission: There is no national umbrella institution to coordinate Agenda 21 implementation. Although Uganda did put in place a NEAP Secretariat to assist in the formulation of the National Environment Action Plan, there is no Commission/Council on sustainable development. However, through the NEAP process, a semi-autonomous institution, the National Environment Management Authority (NEMA) has been approved by the government to coordinate and advise on all matters related to environmental management.

IUCN Country Office

Contact: Mr Eldad Tukahirwa, Country Representative

P.O. Box 10950, Plot 39, Acacia Avenue, Kampala, Uganda

Tel: (256-41) 24 45 08

Fax: (256-41) 24 12 46

Telex:

E-mail: iucn@mukla.gn.apc.org

IUCN Project Office (Mount Elgon)

P.O. Box 2690, Mbale, Uganda

Tel: (256-45) 31 79

Fax: (256-45) 33 32

Telex:

E-mail:

IUCN Project Office (Wetlands)

P.O. Box 9629, Kampala, Uganda

Tel: (256-41) 25 79 76

Fax:

Telex:

E-mail:

IUCN Member Library

Uganda National Parks (UNP)

31 Kanjokya St., Kamwokya, P.O. Box 3530, Kampala, Uganda

Tel: (256-41) 53 01 58

Fax: (256-41) 53 01 59

Telex:

E-mail:

Libraries, Information Services and Databases

UNP Library

Contact: Hellen Namukenge, Library Assistant
Subjects: National parks management; Biology; Law; Ecology
Geographic area: Uganda
Cooperation: IUCN Library; WWF International; UNESCO

** ZAIRE

UNEP-Infoterra

Contact: Ntongo Lumuka Nantole
Departement de l'Environnement, 15 Avenue de Cliniques No.15, B.P. 12348 - Kinshasa 1,
Kinshasa/Gombe, Zaire
Tel: (243) 33 250 / 33 251
Fax:
Telex:
E-mail:

Preferred language: French

NCSD: Ministry of Environment and Tourism

Contact: Tharcisse Loseke, Minister
Ministry of Environment and Tourism, 5, avenue de la Clinique, B.P. 1248, Kinshasa, Zaire
Tel: (243) 31 252
Fax:

** ZAMBIA

UNEP-Infoterra

Contact: Mr. Wycliff Mushipi
Information Services Unit, National Council for Scientific Research, P.O. Box 310158, Lusaka, Zambia
Tel: (260-1) 28 10 81
Fax:
Telex: 40005 ZA
E-mail: unepzam@unza.apc.org

NCSD: Ministry for Environment and Natural Resources

Contact: Dr. Chuulu Kalima, Minister
Ministry for Environment and Natural Resources, Lusaka, Zambia
Tel:
Fax:

IUCN Country Liaison Office

Contact: Mr Maswabi Maimbolwa, IUCN Representative
Private Bag W356, Luanshya Road, Plot No 189, Lusaka, Zambia
Tel: (260-1) 22 32 76
Fax: (260-1) 22 32 76
Telex:
E-mail:

WWF Country Office

Contact: Mr. Richard Jeffery
P.O. Box 50551, Ridgeway, Lusaka, Zambia
Tel: (260-1) 25 37 49
Fax: (260-1) 25 37 49
Telex: (0902) 41 190 za

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E-mail:

** ZIMBABWE

UNEP-Infoterra

Contact: Ms Sithabiso Gandure
Department of Natural Resources, Makombe Complex Block 1, Harare Street/Herbert Chitepo Avenue,
P.O. Box CY 385, Causeway, Harare, Zimbabwe
Tel: (263-4) 70 56 61
Fax: (263-4) 79 31 23
Telex: 22141 ZW
E-mail: unepzim@mango.apc.org

NCSD: Ministry of Environment and Tourism

Contact: Dr. Herbert M. Murerwa, Minister
Private Bag 7753, Karigamombe Centre, 14th Floor, Causeway, Harare, Zimbabwe
Tel: (263-4) 79 44 55
Fax: (263-4) 79 74 502
Telex: 22141 ZW
E-mail:

WWF Senior Conservation Advisor

Contact: Dr. David H.M. Cumming
P.O. Box 1409, Causeway, Harare, Zimbabwe
Tel: (263-4) 73 05 99
Fax: (263-4) 73 05 99
Telex:
E-mail:

IUCN Member Library

Department of Natural Resources (DNR)

Contact: Ms. J.Mukarakate; Ms. J.Hansen; Mrs. S.Gandure; Mr. P.Munhuwa
Makombe Complex, CY 385 Causeway, Harare, Zimbabwe
Tel: (263-4) 70 56 71
Fax: (263-4) 79 31 23
Telex:
E-mail: nrb@p133.f1.n7211.z5.fidonet.org

Natural Resources Library

Established: 1993

Books: 3406; Serials: 173

Subjects: Environmental conservation

Geographic area: Zimbabwe; SADC region; Global

Catalogs: Computerised catalogue

Data: LIBRAR

Other: Current awareness bulletin, SDI, photocopying

Library publications: New Acquisitions List

Databases: LIBRAR

Type: Referral; Started: 1993; Items: 3579; Language: En

Contact: Ms. J. Mukarakate

IUCN Member Library

Libraries, Information Services and Databases

Regional Network of Environmental Experts (ZERO)

Contact: Albert Masheka, Librarian
44 Edmond Avenue, Belvedere, 5338 Harare, Zimbabwe
Tel: (263-4) 79 13 33
Fax: (263-4) 73 28 58
Telex:
E-mail:

ZERO Library

Established: 1988
Books: 5000; Serials: 70 ; Maps: 15; Photos: 100; A/V: 9
Subjects: Energy; Environment
Geographic area: Southern Africa
Cooperation: Secretariat of SADC Region Environment NGOs
Publications: Working papers; Newsletters; Books

IUCN Member Library

Southern African Research and Documentation Centre (SARDC)

Contact: Ida Sibaya, Documentalist
15 Downie Av., Belgravia, P.O. Box 5690, Harare, Zimbabwe
Tel: (263-4) 73 73 01 / 72 08 14
Fax: (263-4) 73 86 93
Telex: 26035 ZPH ZW
E-mail: sardc@mango.apc.org

SARDC Environment Library

Established: 1992
Books: 3590; Serials: 18; Maps: ca. 30
Subjects: Environment; Agriculture
Geographic area: Southern Africa
Other: Reference service

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**** 2.2 AMERICA: North**

UNEP-Infoterra

Regional Service Centre in the United States.

UNEP-GRID

Regional Archive in the United States.

UNEP-Regional Office for North America (UNEP-RONA)

Contact: Dr Joanne Fox-Przeworski
2 United Nations Plaza, New York, N.Y. 10017 USA
Tel: (1-212) 963-8138 / 8139
Fax: (1-212) 963-4114 / 4116 / 7341
Telex: (023) 422311 UN UI
E-mail:

SEE ALSO

Inter-American Development Bank

**** CANADA**

UNEP-Infoterra

Contact: Ms Monica Czanyo, Infoterra NFP, Departmental Librarian, Departmental Library, Environment Canada, 2nd Floor, Place Vincent Massey, 351 St. Joseph Boulevard, Hull, Quebec K1A 0H3, Canada
Tel: (1-819) 997-2575
Fax: (1-819) 997-5349

NCSD: National Round Table on the Environment and Economy

Contact: Mr Ronald Doering, Executive Director
1 Nicholas Street, Suite 1500, Ottawa, Ontario K1N 7B7, Canada
Tel: (1-613) 992-7189
Fax: (1-613) 992-7385
Telex:
E-mail: nrtee@web.apc.org

Mission: The mandate of the National Round Table on the Environment and the Economy is to play the role of catalyst in identifying, explaining and promoting, in all sectors of Canadian society and in all regions of Canada, principles and practices of sustainable development by: a) undertaking research and gathering information and analyses on critical issues of sustainable development; b) advising governments on ways of integrating environmental and economic considerations into their decision-making processes and on global issues of sustainable development; c) advising those sectors and regions on ways of incorporating principles and practices of sustainable development into their activities; d) promoting the understanding and increasing public awareness of the cultural, social, economic and policy changes required to attain sustainable development; and e) facilitating and assisting cooperative efforts in Canada to overcome barriers to the attainment of sustainable development.

Established: 1988 October

IUCN Office - Canada

Contact: M. Bertrand Tétreault, Director
380 St Antoine Street West, Office 3200, Montreal, Quebec H2Y 3X7, Canada
Tel: (1-514) 287-9704
Fax: (1-514) 987-1567
Telex:

A Sourcebook for Conservation and Biological Diversity Information

E-mail: roca@hq.iucn.ch

IUCN National Committee

Contact: Ms Anne Breau, Coordinator

Canadian Committee for IUCN (CCIUCN), c/o Canadian Museum of Nature, P.O. Box 3443 Station "D",
Ottawa K1P 6P4, Canada

Tel: (1-613) 991-0271

Fax: (1-613) 990-8818

Telex:

E-mail:

WWF-Canada

Contact: Mr Monte Hummel, President

90 Eglinton Ave East, Suite 504, Toronto, Ontario M4P 2Z7, Canada

Tel: (1-416) 489-8800

Fax: (1-416) 489-3611

Telex:

E-mail:

IUCN Member Library

Musée Canadien de la Nature (OONMNS) / Canadian Museum of Nature

Contact: Mr Arch Stewart, Head Librarian

2086 Walkley Rd, P.O. Box 3443, Station D, Ottawa, Ontario K1P 6P4, Canada

Tel: (1-613) 998-3923

Fax: (1-613) 998-1065

Telex:

E-mail:

Library and Archives

Established: 1845

Contact: Arch Stewart, Head Librarian; Mireille Boudreau, Reference Librarian; Patrice Stevenson, Cataloguer

Books: 70000; Serials: 2200; Microform: 500; Photos: 50000; A/V: 30

Special collections: Nature Art (1200 items); Archives.

Subjects: Zoology; Botany; Biology; Paleobiology; Earth sciences; Biodiversity

Geographic area: Canada; Polar regions; North America

Catalogs: Card catalogue. Microfiche

Data: ISM (Utlas)

IUCN Member Library

Canadian Parks Service, Environment Canada

Contact: Ms Céline Racette; Louise Simard-Tremblay

25 Eddy Street, 4th Floor, Hull, Québec KIA 0M5, Canada

Tel: (1-819) 994-2845 / 994-5129

Fax: (1-819) 994-5140

Telex:

E-mail:

National Parks documentation Centre (NPDC)

Established: 1979

Books: ca. 20100; Maps: ca. 1600; Microform: ca. 5000

Subjects: Environment; Natural resources management; National parks; Biodiversity; Ecosystem management

Geographic area: Canada

Libraries, Information Services and Databases

Data: "Nicolas"

Cooperation: Cooperation with Universities (partners to National Parks)

Library publications: Monthly acquisitions list

Databases: Parks Canada Basic Resource Inventory

Type: GIS; Time period covered: 1965-; Items: 30; Language: En; Fr

Database Products: Maps; Reports; Diskettes

Contact: Director of Natural Resources Branch, Parks Canada

IUCN Member Library

Department of Fisheries and Oceans (DFO)

Contact: Ms Bridget Turner, Head Librarian; Joyce Kennedy, Reference Librarian

200 Kent Street, 10th Floor, Ottawa, Ontario, Canada

Tel: (1-613) 993-2950 / 993-2926

Fax: (1-613) 990-4901

Telex:

E-mail: GEMDES: dfo.lib.ottawa

Library Policy and Services

Established: 1970

Books: 35000; Serials: 1800; Maps: 50; Microform: 25

Special collections: Rare book collection. Documents of the Task Force on Atlantic Fisheries, the Septia-Jundy Gulf

Task Force on Atlantic Groundfish, the Royal Commission on Seals and Sealing, the Department of Fisheries and

Oceans Publications, the Commission on Pacific Fisheries Policy (Canada), and the Northern Cod Review Panel.

Subjects: Fisheries; Aquaculture; Marine sciences; Marine mammals

Geographic area: North American coastal areas; Arctic

Data: Waves\Vagues

Cooperation: Council of Federal Libraries (Canada). HQ library for a network of 12 DFO libraries within Canada

Waves is the cooperative database of holdings of all 12 libraries

Library publications: Waves database on CD-ROM.

IUCN Member Library

Government of the North-West Territories, Dept. of Renewable Resources (GNWT.DRR)

Contact: Ms Alison Welch, Librarian

Scotia Centre 5th Floor, P.O. Box 1320, Yellowknife NT X1A 2L9, Canada

Tel: (1-403) 920-8606

Fax: (1-403) 873-0293

Telex:

E-mail:

Renewable Resources Library

Established: 1980

Books: 11000; Serials: 125; Maps: 25; A/V: 175

Subjects: Wildlife; Arctic environment; Environmental conservation; Remote sensing

Geographic area: Arctic

Data: DIALOG; CAN/OLE

Other: Video viewing room. Microfiche reader/printer

Cooperation: Natural Resources Information Council (NRIC)

Library publications: Recent acquisitions

IUCN Member Library

School for Resource and Environmental Studies (SRES)

A Sourcebook for Conservation and Biological Diversity Information

Contact: J.G.Reade, Librarian; Lynn Blackburn, Assistant to the Librarian
Dalhousie University, 1312 Robie Street, Halifax, Nova Scotia B3H 3E2, Canada
Tel: (1-902) 494-1359
Fax: (1-902) 494-3728
Telex: 019 21863
E-mail: reade@ac.dal.ca

Library, School for Resource and Environmental Studies
Established: 1978
Books: 12500; Serials: 6; Maps: 80; A/V: 40
Subjects: Environmental policy; Environmental management; Environmental impact assessment; Ocean policy
Geographic area: Canada; North America
Publications: Newsletter; Annual Report; List of publications.

**** UNITED STATES OF AMERICA**

UNEP-Infoterra

Contact: Ms Emma J. McNamara, Manager
U.S. Environmental Protection Agency, Headquarters Library #3404, 401 M Street SW, Washington, DC
20460, USA
Tel: (1-202) 260-5917
Fax: (1-202) 260-3923
Telex:
E-mail: library-infoterra@epamail.epa.gov / mcnamara.emma@epamail.epa.gov

Also serves as Infoterra Regional Service Centre for the English-speaking Caribbean countries.

UNEP-GRID: Global Resource Information Database

Contact: Mr Ashbindu Singh, Facility manager
GRID - Sioux Falls, EROS Data Centre, US Geological Survey, Sioux Falls, SD 57198, USA
Tel: (1-605) 594-6107
Fax: (1-605) 594-6589
Telex:
E-mail: grid@grid1.cr.usgs.gov / Dialcom 41:UNE062

GRID - Sioux Falls Archive
Established: 1985
Special collections: GRID database
Subjects: Environmental assessment; Environmental monitoring
Geographic area: Global
Data: GRID
Other: Searches for internal staff
Publications: List of reports and publications available through GRID

NCSD: President's Council for Sustainable Development

Contact: Ms Molly Harriss Olson, Executive Director
1849 C Street NW, MS-7456-MIB, Washington, DC 20240, USA
Tel: (1-202) 208-7411
Fax: (1-202) 208-3199
Telex:
E-mail:

Mission: The Council shall (1) advise the President on matters involving sustainable development. In furtherance of the mission, the Council will develop and recommend to the President a national sustainable development action

Libraries, Information Services and Databases

strategy that will foster economic vitality; (2) advise the President on fashioning an annual Presidential Award recognizing exemplary efforts toward the advancement of sustainable development ideals and submit nominations for the award to the President; and (3) advise the President on conducting a public awareness and participation campaign on the importance of and the appropriate uses of the nation's natural and cultural resources.

Established: 1993 June 29

IUCN-US

Contact: Mr Scott Hajost, Director
1400 16th Street NW, Washington, DC 20036, USA
Tel: (1-202) 797-5454
Fax: (1-202) 797-5461
Telex:
E-mail: iucnus@igc.apc.org
rwas1@hq.iucn.ch

TRAFFIC-USA

1250 24th St NW, Washington, DC 20037, USA
Tel: (1-202) 293-4800
Fax: (1-202) 775-8287
Telex: 64505 PANDA
E-mail: wwfttraffic@igc.apc.org

WWF-US

Contact: Librarian
1250 24th Street NW, Washington, DC 20037, USA
Tel: (1-202) 293-4800
Fax: (1-202) 293-9211
Telex: 023 64505 panda
E-mail: wwfus@mcimail.com

WWF-US Library

Books: 12000; Serials: 410; Maps: many

Special collections: annual reports, WWF-US list of approved projects; depository for WWF-US publications.

Subjects: Endangered and threatened specie; Protected areas; Community development projects; Environmental education; Toxic chemicals; Global environmental change; Biodiversity, Environmental policy, Environmental management, International affairs.

Geographic area: United States; Latin America; Global

Cooperation: Member, Interlibrary Users Association

Publications: Newsletters; Annual report; Reports & studies; Publications catalog.

Library publications: weekly current awareness service; monthly acquisitions list

IUCN Member Library

Sierra Club

Contact: M.L. Phoebe Adams, Library Director; Judy Gerstle, Technical Services
730 Polk Street, San Francisco CA 94109, USA
Tel: (1-415) 923-5566
Fax: (1-415) 776-0350
Telex:
E-mail: sierrac@class.org.

Wm. E. Colby Memorial Library

Established: 1892

Books: ca. 13000; Serials: 350; Maps: 15; Photos: 20000; A/V: ca. 200

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Special collections: Archives held at the Bancroft Library, University of California, Berkeley
Subjects: Environmental policy; Biodiversity; Environmental movements; Natural history; Outdoor recreations; Mountains
Geographic area: United States; United States, Sierra Nevada; Canada; Global
Catalogs: Online catalog; OCLC
Data: OCLC; Dialog; DataTimes; Lexis/Nexis
Other: Photographs, records management for Club.
Publications: Sierra Magazine; Newsletters
Library publications: Periodicals list; Occasional acquisitions list

IUCN Member Library

U.S. Agency for International Development (USAID)

Contact: Mr. John Butsch, Coordinator of the USAID Development Center
SA-18 Room 105, PPC/POL/CDIE/DI, Washington DC 20523-1801, USA
Tel: (1-703) 875-4818
Fax: (1-703) 875-5269
Telex:
E-mail:

AID Development Information Center
Established: 1977
Books: 10000; Serials: 400; Maps: 10; Microform: 90000
Special collections: AID Historical Collection
Subjects: Bilateral aid; Economic development; Social development
Geographic area: United States; Global
Catalogs: Online library Catalog
Data: AID Development Information System
Other: CD-ROMs available.
Cooperation: Cooperative agreements are available.

IUCN Member Library

World Resources Institute (WRI)

Contact: Mr Samuel Boltik, Library Assistant
1709 New York Ave. NW, 7th Floor, Washington DC 20006, USA
Tel: (1-202) 662-2504
Fax: (1-202) 638-0036
Telex: 64414 WRIWASH
E-mail: sboltik@wri.org

WRI Library

Established: 1982
Books: 10000; Serials: ca. 400; Maps: ca. 60; Microform: ca. 80; A/V: ca. 30
Special collections: Country environmental profiles (Interaise Project).
Subjects: Environment; Energy; Resources management; Agriculture; Forestry; Biodiversity; Climate; Pollution; Environmental science; Environmental economics; Sustainable development; Developing countries
Geographic area: Global
Data: Catalog of library holdings; Journals list
Cooperation: Member, Interlibrary Users Association
Library publications: Occasional newsletters.

Libraries, Information Services and Databases

** 2.3 AMERICA: Meso

UNEP-Infoterra

Regional Service Centres for Latin America and Caribbean in Chile, Mexico, Venezuela, and the United States

UNEP-Regional Office For Latin America and The Caribbean (ROLAC)

Contact: Mr Arsenio Rodríguez Mercado, Director and Regional Representative

UNEP, Blvd. de los Virreyes No. 155, Lomas Virreyes 111000, Mexico DF

Tel: (52-5) 202 69 13/ 202 48 41/ 202 49 55// 202 75 29

Fax: (52-5) 202 09 50

Telex:

E-mail:

IUCN Regional Office for Meso America (ORMA)

Contact: Mr Enrique Lahmann, Director

Apartado 0146-2150, Moravia, San José, Costa Rica

Tel: (506) 235-6568 / 235-5788 / 236-2733

Fax: (506) 240-9934 /

Telex:

E-mail: uicnorma@nicarao.apc.org

rocr@hq.iucn.ch

WWF Regional Coordinator

Contact: Mr Miguel R. Cifuentes

WWF Central America, 7170 CATIE, Turrialba, Costa Rica

Tel: (506) 556-1383 / 556-1712 / 556-6431

Fax: (506) 556-1421

Telex: (0376) 8005 CATIE

E-mail: wwfearo@nicarao.apc.org

Central American Commission for Environment and Development

Contact: Mr Jorge Cabrera, Executive Secretary

7ª Av. 13-01 Zone 9, Edificio La Cúpula, Guatemala City, Guatemala

Tel: (502-2) 32-0684 / 32-0685

Fax: (502-2) 34-3876

Telex:

E-mail:

Mission: To establish cooperation between the Central American countries in the identification and adoption of models for a sustainable development, with the participation of all concerned organizations; and to support national policies and legislation with strategies for sustainable development in the region, and to assure that environmental concerns and parameters are incorporated into the national planning process.

Established: 1989 December

Alliance for Sustainable Development

Contact: Mr Jorge Cabrera

7ª Av. 13-01, Zona 9, Edificio La Cúpula, Guatemala City, Guatemala

Tel: (502-2) 32-0684 / 32-0685

Fax: (502-2) 34-3876

Mission: To make Central America a model for Sustainable Development through an Agreement to be signed

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between the president of the United States and the presidents of the seven countries of the region on the occasion of the "Summit of the Americas" scheduled for December 1994 in Miami.

The March 7, 1994 draft document includes: the principles supporting the initiative, the issues under which commitments should be made and the mechanisms for their implementation. It references the necessity to establish National Councils for Sustainable Development in each of the seven nations and a Central American Council for Sustainable Development at the Regional Level.

Established: In process

**** COSTA RICA**

UNEP-Infoterra

Contact: Lic. Max Francisco Cerdas Lopez

CNC de Infoterra, Dept. de Información y Documentación, Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICIT), Apartado 10318 - 1000, San José, Costa Rica

Tel: (506) 24-4172

Fax: (506) 23-2576 / 34-9299

Telex: 3338 CONI C.R.

E-mail: mcerdas@ns.conicit.go.cr / jalfarou@cipcvt.conicit.go.cr / ucum@v.porras.bitnet

Preferred language: Spanish.

NCSD: Consejo Costarricense de Desarrollo Sostenible [Costa Rican Council for Sustainable Development]

Contact: Mr René Castro, Minister of Natural Resources, Energy & Mines

Dirección de Planificación y Cooperación Internacional, MIRENEM, San José, Costa Rica

Tel: (506) 234-0651 / 234-0973

Fax: (506) 234-0651

Telex:

E-mail:

Mission: Executive Decree Number 22392 by the Minister of Natural Resources, Energy and Mines (MIRENEM), signed on the 19th of April 1994, states that the Costa Rican Council for Sustainable Development "will be the superior instance for the national dialogue, for the formulation of sustainable development policies to be implemented in a coordinated way at all level of the public and private sectors." Among its many functions, the Council will: propose policies for the implementation of the Rio Agreements; follow-up the Costa Rican model for sustainable development; prepare reports for the United Nations Commission on Sustainable Development; and other related activities.

NCSD: Comisión Nacional de ONG y OS para el Desarrollo Sostenible (CONAO) [National Commission of NGO and Social Organizations for Sustainable Development]

Contact: Sr Oscar Fallas or Sra. Tita Escalante

CANAO, San José, Costa Rica

Tel: (506) 223-3925 / 221-5755

Fax: (506) 222-5977

Telex:

E-mail:

Mission: This initiative has its origins in the concerns expressed by organizations of the civil society regarding the Agreement signed between the governments of Costa Rica and Netherlands for Sustainable Development, known by the acronym "ABDS". The main purpose is to participate in the decision making processes leading to the formulation, implementation and follow-up of the policies being established under such Agreement.

IUCN National Committee

Libraries, Information Services and Databases

Contact: Sr Alfonso Samabria Alfaro
Comité Nacional de la UICN, c/o MIRENEM/ORMA, Apartado 1161-2150, Moravia, San José, Costa Rica
Tel: (506) 35-6568
Fax: (506) 36-2733
Telex:
E-mail:

IUCN Member Library

Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)

Contact: Sra Laura Coto Royo, Jefe Biblioteca
CATIE 7170, Turrialba, Costa Rica
Tel: (506) 556-0501 / 556-6431, ext. 229
Fax: (506) 556-1533
Telex: 8005 CATIE CR
E-mail: lcotor@catie.ac.cr

Note: This organization serves as an IUCN Depository Library.

Biblioteca Comemorativa ORTON

Established: 1943

Books: 89000; Serials: 11300; Maps: 2000; Microform: 1000

Subjects: Agriculture; Agriculture - tropical; Forests; Forestry; Natural Resource management

Geographic area: Global

Data: CDS/ISIS

International databases on CD-ROM: AGRICOLA; CAB; TROPAC AND RURAL; AGRIS; TREE CD; SESAME

Other: Bibliographic and resource database searches on request to academics, NGO's development agencies, etc.

Cooperation: Participant in AGLINET

Library publications: Boletines Bibliográficos REDCAFE; Boletines Bibliográficos anotados en temas específicos;

Servicio Alerta: Documentos recién ingresados; Servicio Alerta: Tablas de contenido; Lista de canje y donación

Database Products: Directory of relevant books in print; Directory of specialist information sources; Data forms part of the CD-ROM; Bases de datos agrícolas de América Latina y Cariben.

Databases: BCO

Subjects: Agriculture; Environmental management

Geographic area: Global

Type: Factual; Started: 1991; Items: 3300; Language: En; Fr; Es; De

Databases: CACAO

Subjects: Agriculture; Environmental management

Geographic area: Global

Type: Factual; Started: 1989; Items: 5800; Language: En; Fr; Es; De

Databases: CAFE

Subjects: Agriculture; Environmental management; Coffee

Geographic area: Global

Type: Factual; Started: 1986; Items: 13800; Language: En; Fr; Es; De

Databases: OLAF0

Type: Factual; Started: 1991; Items: 2000; Language: Cnstant

** EL SALVADOR

UNEP-Infoterra

A Sourcebook for Conservation and Biological Diversity Information

Contact: Lic. Miguel Araújo

CNC de Infoterra, Secretaría Ejecutiva del Medio Ambiente (SEMA), Final 91 Avenida Norte, entre 11 y 13 Calle Poniente, Col. Escalon, San Salvador, El Salvador

Tel: (503) 24-3886 / 79-3830 / 79-3970 / 79-4050

Fax: (503) 23-9083

Telex:

E-mail:

Preferred language: Spanish.

NCSD: Secretaría Ejecutiva del Medio Ambiente (SEMA)

Contact: Sr Miguel Eduardo Araujo, Executive Director

Final de la 91 Av. Norte entre 11 y 13 Calle Poniente, Colonia Escalón, San Salvador, El Salvador

Tel: (503) 79-3830 / 79-3970 / 23-9041

Fax: (503) 23-9083

Telex:

E-mail:

**** GUATEMALA**

UNEP-Infoterra

Contact: Sra Dora Luz Mazariegos de Perez

CNC de Infoterra, Comisión Nacional del Medio Ambiente (CONAMA), 7A. Avenida 4-35, Zona 1, Guatemala City, Guatemala

Tel: (502-2) 21-816

Fax: (502-2) 53-5109

Telex:

E-mail:

Preferred language: Spanish.

NCSD: Comisión Nacional del Medio Ambiente (CONAMA)

Contact: Sr Bruno Busto Brol, Coordinator

Avenida Petapa 25-59, Zona 12, Guatemala City, Guatemala

Tel: (502-2) 76-8596 / 76-1026 / 76-1027

Fax: (502-2) 76-0055

Telex:

E-mail:

IUCN National Committee

Contact: Ing. Julio Obiols Gómez, Secretario

Comité de Miembros Guatemaltecos de la UICN, Avenida La Reforma 0-63, Zona 10, C.P. 01010, Ciudad de Guatemala, Guatemala

Tel: (502-2) 34-7662

Fax: (502-2) 34-7664

Telex:

E-mail:

IUCN Member Library

Fundación Defensores de la Naturaleza [Defenders of Nature Foundation]

Contact: Sr Ana Marcela Herrera, Assistant of Environmental Education

7a La Avenida 13-01, Zona 9, Edif. La Cúpula Nivel 2, Guatemala City, Guatemala

Tel: (502-2) 32-5064

Fax: (502-2) 32-2671

Telex:

Libraries, Information Services and Databases

E-mail:

Centro de Documentación Defensores de la Naturaleza

Established: 1989

Books: 2000; Serials: 2100; Maps: 50; Photos: 2358; A/V: 61

Subjects: Ecology; Flora; Fauna; Environmental education; Sustainable development

Geographic area: Guatemala

Library publications: Brochures; Bulletins

IUCN Member Library

Instituto Guatemalteco de Turismo (INGUAT) [Guatemala Tourist Commission]

Contact: Irma de Ergón, Centro de Documentación

7a av. 1-17, Zona 4, Centro Cívico, Guatemala 1020 "A", Guatemala

Tel: (502-2) 31-1333

Fax: (502-2) 31-8893 / 31-4416

Telex: 5532 INGUAT GU

E-mail:

Centro de Documentación e Información Turística (CEDITUR)

Established: 1989

Books: 13000; Serials: 100; Maps: 3

Special collections: 7000 articles of newspapers

Subjects: Tourism

Geographic area: Guatemala

Data: Bibliographical; Lending; Periodical publications; Thesaurus

Publications: NOTITUR (promotional material)

Library publications: Bibliographic Bulletin; Special bibliographies

** HONDURAS

UNEP-Infoterra

Contact: Dr. Carlos A. Medina

Secretaría del Ambiente, Calle La Fuente No. 1501

Apartado Postal 4710, MDC, Tegucigalpa, Honduras

Tel: (504) 37 5664 / 5667

Fax: (504) 37 5726

Telex:

E-mail:

Preferred language: Spanish.

NCSD: Secretaría en el Despacho del Ambiente (SEDA)

Contact: Sr Carlos Medina, Minister

Edificio Palmira, 5° Piso, Tegucigalpa, Honduras

Tel: (504) 39-0241

Fax: (504) 32-7718

Telex:

E-mail:

** MEXICO

UNEP-Infoterra

Contact: Lic. Ariel Contreras Pérez, Director General

Unidad de Concertación Social de la Secretaría de Desarrollo Social, Av. Constituyentes No. 947, Edificio "B", Planta Baja, Col. Belen de las Flores, Deleg. Alvaro Obregon, México, D.F., México

A Sourcebook for Conservation and Biological Diversity Information

Tel: (52-5) 516-7333

Fax: (52-5) 271-6447

Telex:

E-mail:

Preferred language: Spanish.

Technical staffperson is Lic. Jorge Fraymann Castro.

NCSD: Secretaría de Desarrollo Social (Ministry for Social Development)

Contact: Mr Juan Antonio Mateos, Coordinador General de Asuntos Internacionales

Vicente Eguía No. 46, 1er. piso, Col. San Miguel Chapultepec, Delegación Miguel Hidalgo, México D.F., México C.P. 11850

Tel: (52-5) 515-8904 / 515-8718

Fax: (52-5) 515-2454

Telex:

E-mail:

Mission: Involved in coordination and implementation of Agenda 21 activities in Mexico.

IUCN National Committee

Contact: Sr Ramon Pérez Gil Salcido

Comité de Miembros Mexicanos de la UICN, c/o FUNDAMAT a.c., Apartado Postal No. 1887, C.P. 62001, Cuernava, Mor., México

Tel: (52-73) 18-3732 / 18-3738

Fax:

Telex:

E-mail:

WWF Programme Office

38 Goldsmith Nr. 4, Polanco, México 11560, México

Tel: (52-5) 282-1177 / 282-0164

Fax: (52-5) 280-2727

Telex:

E-mail:

IUCN Member Library

Instituto Mexicano de Recursos Naturales Renovables (IMERNAR) [Mexican Institute of Renewable Natural Resources]

Contact: Arq. Enrique Beltrán G., Director

Av. Dir. Vértiz 724, México 12 DF 03020, México

Tel: (52-5) 519-1633, 519-4505

Fax: (52-5) 538-4520

Telex:

E-mail: imernar@laneta.apc.org

Note: This organization serves as an IUCN Depository Library.

**** NICARAGUA**

NCSD: Ministerio del Ambiente y Recursos Naturales (MARENA)

Contact: Mr Jaime Incer, Minister

KM. 12/12, Carretera Norte, Apartado 5123, Managua, Nicaragua

Tel: (505-2) 31-110

Fax: (505-2) 31-274

Telex: 1328

Libraries, Information Services and Databases

E-mail:

** PANAMA

UNEP-Infoterra

Contact: Sra María Daysi de Gracia,
Coordinadora del Centro Nacional de Infoterra,
Comisión Nacional del Medio Ambiente, Ministerio de Planificación y Política Económica, Apartado
10120, Zona 4, Panama

Tel: (507) 32-6055

Fax: (507) 69-6822

Telex: 3683 PA

E-mail:

Preferred language: Spanish.

NCSD: Instituto Nacional de Recursos Naturales (INRENARE)

Contact: Mr Alberto McKey, Director
Apartado 2016, Paraiso Ancón, Panama City, Panama

Tel: (507) 32-4325

Fax: (507) 32-4083

IUCN Project Office

Contact: Sr Juan A. Mannelia
Apartado 2018, Calzada Amador, Casa 152a, Balbao, Ancón, Panamá

Tel: (507) 28-7072

Tel: (507) 28-7944

Fax:

Telex:

E-mail:

IUCN National Committee

Contact: Sr Juan A. Manelia, Coordinador Nacional
Comité Nacional de UICN-Panama, c/o AIPEP, Apartado 2320, Balboa, Ancón, Republica de Panama

Tel: (507) 32-6125

Fax:

Telex:

E-mail:

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**** 2.4 AMERICA: South**

UNEP-Infoterra

Regional Service Centres in Chile and Venezuela.

UNEP-GRID

Regional Archive in Brazil.

SEE ALSO

Inter-American Development Bank.

IIED America Latina

Piso 6, Cuerpa A, Corrientes 2835, 1193 Buenos Aires, Argentina

Tel: (54-1) 961-3050

Fax: (54-1) 961-1854

Telex:

E-mail:

IUCN Regional Office For South America (SUR)

Contact: Sra Juanita Castaño

Av. Atahualpa 955 y República, Edificio Digicom, Piso 4, Casilla Postal 17-17-626, Quito, Ecuador

Tel: (593-2) 46-6622 / 46-6623

Fax: (593-2) 46-6624

Telex:

E-mail: juan@iucn.ecx.ec

TRAFFIC-South America

Contact: Sr Juan Villalba-Macias, Director

Carlos Roxio 1496/301, Montevideo, Uruguay

Tel: (598-2) 493-384

Fax: (598-2) 493-384

Telex: 23702 P BOOTH UY

E-mail:

**** ARGENTINA**

UNEP-Infoterra

Contact: Dra. Marta Zas, Jefe de CNC Infoterra

Sec. de Recursos Naturales y Ambiente Humano, San Martin 459 Piso 1, Capital Federal 1004, Buenos Aires, Argentina

Tel:

Fax: (54-1) 322 4778/6216

Telex:

E-mail:

Preferred language: Spanish.

NCSD: Secretariat of Natural Resources and Human Environment

Contact: Ms Lamas

COPRE, CCCT-Torre A, Piso 6, Chua Caracas, Argentina

Tel: (54-1) 394-6643

Fax:

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Telex:

E-mail:

Established: 1993

IUCN National Committee

Contact: Sr Fernando Ardura, Coordinator

Comité Argentino de la UICN, c/o Administracion de Parques Nacionales, Av. Santa Fé 690, 1059 Buenos Aires, Argentina

Tel: (54-1) 311-8855

Fax: (54-1) 311-6633

Telex:

E-mail:

WWF Associate

Fundación Vida Silvestre Argentina

Contact: Ms Cristina Abaca, Director General

Defensa 245/51, 6° Piso, 1065-Capital Federal, Buenos Aires, Argentina

Tel: (54-1) 331-4864 / 331-3631 / 343-4086

Fax: (54-1) 331-3631

Telex:

E-mail:

IUCN Member Library

Fundación Ambiente Recursos Naturales (FARN)

Contact: Ms Carmen Olaechea, Librarian

Monroe 2142, 1428 Buenos Aires, Argentina

Tel: (54-1) 781-9171

Fax: (54-1) 781-9171

Telex:

E-mail: farm-cds@wamani.apc.org

Biblioteca FARN

Established: 1991

Contact:

Books: Serials: A/V:

Subjects: Environmental law; Environmental policy; Environmental planning; International environmental law; Biodiversity; Ecosystems; Resources conservation; Tropical forests; Indigenous people; Human rights

Geographic area: Argentina, Latin America

Data: Bibliographical; Serials publications; Directory

IUCN Member Library

Fundación para la Conservación de las Especies y el Medio Ambiente (FUCEMA)

[Species and Environmental Conservation Foundation (FUCEMA)]

Contact: Mr Paul Cichero, Biologist

A. Alsina 912 of. 4, 1088-Capital Federal, Buenos Aires, Argentina

Tel: (54-1) 334-7490 / 334-1055, ext. 46 or 47

Fax: (54-1) 334-1421

Telex:

E-mail:

Biblioteca C.C. Olrog de Ciencias de la Conservación

Established: 1992

Libraries, Information Services and Databases

Books: 370; Serials: 5; Photos: separ. section; A/V: separ. section
Subjects: Nature conservation; Wildlife management
Geographic area: Argentina; Neotropical region
Publications: Serie Técnica (Technical report series)

Databases: DB Sobre Avistajes de Fauna Silvestre
Type: Full Text; Numeric; Started: 1992; Items: 35; Language: Es
Contact: Javier Garcia Fernandez

** BOLIVIA

UNEP-Infoterra

Dr. Carlos Aguirre Bastos, President
Academia Nacional de Ciencias de Bolivia, Av. 16 de Julio No. 1732, Casilla 5829, La Paz, Bolivia
Tel: (591-2) 36-3990 / 37-9681
Fax: (591-2) 37-9681
Telex: "ACIENCIAS"
E-mail: infterra@pmnt.bo

Preferred language: Spanish.

NCSD: Ministerio de Desarrollo Sostenible y Medio Ambiente [Ministry of Sustainable Development and Environment]

Contact: Lic. José Guillermo Justiniano, Minister
Av. Arce No. 2147, Casilla No. 3116, La Paz, Bolivia
Tel: (591-2) 35-4522 / 35-9820
Fax: (591-2) 36-9304 / 39-2892

Mission: 1) To elaborate a National Development Strategy for the long run which articulates the concepts of economic growth, social equity, governability of the political system and rational use of the natural resources. 2) Among the guiding principles are: macroeconomic stability; transparency of the markets and the introduction of cultural criteria as well as solidarity in the economic relations; reform and modernization of the three powers (Executive, Legislative and Judiciary); capacity-building of the public enterprises. Social participation; land management and decentralization; Agenda 21 as an international reference for sustainable development.

Established: 1993 August

IUCN National Committee

Contact: Sra Alejandra Sanchez de Lozada, Subdirectora
Bolivian Committee for IUCN, c/o Museo Nacional de Historia Natural (MNHN), Casilla 8706, Calle 20 Cota Cota, La Paz, Bolivia
Tel: (591-2) 360-583
Fax: (591-2) 365-903
Telex:
E-mail:

IUCN Member Library

Centro de Datos para la Conservación - Bolivia (CDC - Bolivia) [Bolivian Conservation Information Centre]

Contact: Sr Eduardo Forno, CDC Library
Cota Cota Calle #26, Av. Muñoz-Reyes, Ed. Museo Historia Natural, P.O. Box 11250, La Paz, Bolivia
Tel: (591-2) 79-7399
Fax: (591-2) 79-7399
Telex:
E-mail:

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** BRAZIL

UNEP-Infoterra

Contact: Dra. Rita de Cassia do Vale Caribe, Chefe
Centro Nacional de Informação Ambiental, Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA), SAIN Av. L4 Norte - Ed. Sede, 70.800 Brasília - DF, Brazil

Tel: (55-61) 226-5094
Fax: (55-61) 224-5206
Telex: 61-4013 IBAMA BR
E-mail:

Preferred language: Spanish.

UNEP-GRID: Global Resource Information Database

Contact: Danton Nunes, Facility manager
GRID - Sao Jose dos Campos, Instituto Nacional de Pesquisas, Espaciais, Av. dos Astronautas 1758, Sao Jose dos Campos, SP, 12227-010, Brazil

Tel: (55-123) 41-8977, ext. 380
Fax: (55-123) 21-8743
Telex:
E-mail: danton@dpi.inpe.br

GRID - Brazil Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSD: National Council on Sustainable Development

Contact: c/o Mr Rubens Ricupero
Ministry for Environment, Palácio do Planalto, Annex 2, Terreo, 70150-902 Brasília-DF, Brazil

Tel: (556-1) 211-1283
Fax: (556-1) 226-9871
Telex:
E-mail:

IUCN National Committee

Contact: Dr. José Pedro de Oliveira Costa, IUCN Regional Councillor
Comité Brasileiro de UICN, Rua Conselheiro Carrao 640, Bela Vista 01328, Sao Paulo SP, Brazil

Tel: (55-11) 289-5031
Fax: (55-11) 884-2795
Telex:
E-mail:

WWF Brazil Office

Contact: Mr Eduardo Martins
SHIS EQ QL 6/8, Conjunto E - 2° andar, 71620-430 Brasília-DF, Brazil

Tel: (55-61) 248-2899
Fax: (55-61) 248-7176
Telex:
E-mail:

Libraries, Information Services and Databases

IUCN Member Library

Associação Brasileira de Caça e Conservação (ABC) [Brazilian Hunting and Conservation Association]

Contact: Sra Daisy Osugi
R. Mourato Coelho 1372, 05467-002 Sao Paulo, Brazil
Tel: (55-11) 813-8238
Fax: (55-11) 220 7896
Telex:
E-mail:

ABC Library

Established: 1977

Books: 2959; Serials: 136; Maps: 55; Photos: Being compiled; A/V: 50

Subjects: Environment; Hunting; Fishing; Natural resources

Geographic area: Brazil

Cooperation: University of Sao Paulo

Publications: Jornal da Armaria

IUCN Member Library

Fundação Brasileira para a Conservação de Natureza [Brazilian Foundation for Nature Conservation]

Contact: Nubia Tavares Gomes, Librarian
Rua Miranda Valverde, 103 - Botafogo, Rio de Janeiro 22.281-000, Brazil
Tel: (55-21) 266-5008
Fax: (55-21) 226-1343
Telex:
E-mail:

FBCN Library

Established: 1960

Books: 11,000; Maps: 300; A/V: 162

Subjects: Nature, Environment, Natural resources, Biodiversity

Geographic area: Brasil

Publications: FBCN Information

IUCN Member Library

Fundação Museu do Homem Americano (FUMDHAM) [American Man Museum Foundation]

Rua Abdias Neves 551,
Sao Raimundo Nonato, 64700-000 Piaui, Brazil
Tel: (55-86) 582-1612
Fax: (55-86) 582-1656
Telex:
E-mail:

FUMDHAM Library

Established: 1986

Books: 892; Serials: 28; Maps: 35; Photos: 31500; A/V: 28

Subjects: Anthropology; Archeology; Ecology; Zoology; Botany; Geology; Public Health; Sociology; History; Expeditions

Geographic area: USA; South America; Central America

IUCN Member Library

A Sourcebook for Conservation and Biological Diversity Information

Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA) [Brazilian Institute of Environment and Renewable Natural Resources]

SAIN Av. L4 Norte Bloco "C" subsolo, CEP 70800-200, Brasilia-DF, Brazil

Tel: (55-61) 316-1205

Fax: (55-61) 226-5588

Telex:

E-mail:

CNIA-Centro Nacional de Informação Ambiental

Established: 1989

Books: 45000; Serials: 2000; A/V: 300

Subjects: Environment; Environmental legislation; Natural resources; Forestry; Fishery

Geographic area: Brazil

Data: Bibliographic database; Environmental legislation database; Video database

Cooperation: Planning and coordinating RENIMA (National Network for Environmental Information)

Library publications: Monthly summary of current periodicals.

Databases: Referral database

Type: Referral; Started: 1995

Language: Pt

Data will be available in CD-ROM

IUCN Member Library

Instituto Florestal [Forest Institute]

Contact: Suzetti L. Dos Santos Paes

Rua da Horto 931, 1322, 01059-970 Sao Paulo-SP, Brazil

Tel: (55-11) 952-8555

Fax: (55-11) 204-8067

Telex: 011 22877 SAGR BR

E-mail:

Instituto Florestal Library

Established: 1945

Books: 7880; Serials: 2150; Maps: 30; Microform: 50

Subjects: Forestry

Geographic area: Brasil

Publications: Revista do Instituto Florestal; IF-Serie

**** CHILE**

UNEP-Infoterra

Contact: Ms Anna Maria Prat, Directora Departamento de Información

Comisión Nacional de Investigación Científica y Tecnológica (CONICYT), Canadá No. 308, Casilla 297 V, Santiago 21, Chile

Tel: (56-2) 274-4537

Fax: (56-2) 209-6729

Telex: 340191 CNCT CK

E-mail: amprat@daniel.conicyt.cl / moyarzun@daniel.conicyt.cl

Also serves as Infoterra Regional Service Centre.

Preferred language: Spanish.

NCSD: National Commission on Environment (CONAMA)

Contact: Mr Rafael Asenjo

Libraries, Information Services and Databases

Alameda Bernardo O'Higgins 280, 2nd Floor, Santiago, Chile

Tel: (56-2) 699-2476 / 699-6127

Fax: (56-2) 671-8805

Telex:

E-mail:

IUCN Member Library

Corporación Nacional Forestal (CONAF) [Chilean Forest Service]

Contact: Marcela Concha Bruna

Avda. Bulnes 259, Of. 206, Santiago, Chile

Tel: (56-2) 696-6749 / 696-6192 / 698-0783

Fax: (56-2) 671-5881

Telex:

E-mail:

Biblioteca de CONAF

Established: 1983

Books: 5000; Serials: 80; Maps: 4; A/V: 62

Subjects: Forestry; Mountains; Forest products; Computers; Indigenous peoples

Geographic area: Chile

Catalogs: Card catalogue

Databases: CONAF

Type: Terminology; Referral; Started: 1993; Items: 22; Language: Es

Database Products: Thematical catalogue; Geographical catalogue

Contact: Marcela Concha Bruna

** COLOMBIA

UNEP-Infoterra

Contact: Hilda Dugand Carling, Coordinador Nacional Infoterra

Jefe, Sección Información y Documentación, SEDE Carrera 10 NRO 20 30, Santafé de Bogotá D.C.,

Bogotá, Colombia

Tel:

Fax:

Telex: 44428 INDE CO

E-mail:

Preferred language: Spanish.

NCSD: Comisión Nacional de Desarrollo Sostenible

Contact: Sra Juanita Castaño, Coordinadora

Calle 12 No. 73 Este, Bogota, Colombia

Tel: (57-1) 210-0066

Fax: (57-1) 212-3463

Telex:

E-mail:

IUCN National Committee

Contact: Dra. Elsa Matilde Escobar, Coordinadora

Comité Colombiano de la UICN, c/o Fundación Natura Colombia, Avenida 13 No. 87-43, Apartado Aéreo

55402, Santafé de Bogota, Colombia

Tel: (57-1) 616-9263

Fax: (57-1) 210-4515

A Sourcebook for Conservation and Biological Diversity Information

Telex:
E-mail:

WWF Northern Andes Programme Office

Contact: Ms Mary Lou Higgins
FES, Calle 7 No. 4-70 Local 1, A.A. 5744 Cali, Colombia
Tel: (57-28) 845-921 / 845-922
Fax: (57-28) 845-923
Telex:
E-mail:

**** ECUADOR**

UNEP-Infoterra

Contact: Dr Pablo Lucio Paredes, Secretario General de Planificación
Secretaría General de Planificación del Consejo Nacional de Desarrollo (CONADE), Arenas y Manuel
Larrea, Edificio Consejo Provincial de Pichincha, Quito, Ecuador
Tel: (593-2) 520-017 / 563-666
Fax: (593-2) 563-002
Telex: 2114
E-mail:

Preferred language: Spanish.

NCSO: Comisión Asesora Ambiental de la Presidencia de la República (CAAM)

Contact: Ing. Luis Carrera, Presidente
Av. 10 de Agosto 3560 y Mariana de Jesús, Ed. Metrocar-4 Piso, Quito, Ecuador
Tel: (593-2) 540-920 / 540-455
Fax: (593-2) 565-809
Telex:
E-mail:

Mission: Systematization of environmental management in Ecuador, through the promotion of policies and establishment of institutional and jurisdictional mechanisms capable of lessening conflicts and coordination of the assignment of resources for environmental programs and projects.

Established: 1993 September 22

IUCN National Committee

Contact: Mr Danilo Silva Chiriboga, Coordinador
Comité Ecuatoriano de la UICN, Av. 12 de Octubre 959 y Roca, Quito, Ecuador
Tel: (59-32) 502-409
Fax: (59-32) 518-752
Telex:
E-mail:

WWF Associate and IUCN Member Library

Fundación Natura [Nature Foundation]

Contact: Mr Teodoro Bustamante P.
Av. América 5653 y Voz Andes, Casilla 17-01-253, Quito, Ecuador
Tel: (593-2) 447-341 / 447-342 / 447-343
Fax: (593-2) 434-449
Telex: 0308 21211 natura ed
E-mail: Documentation: docum@natura.ecx.ec
Biodiversity: bidiv@natura.ecx.ec

Libraries, Information Services and Databases

Natural Resources: rnat@natura.ecx.ec

Urban Ecology: urbana@natura.ecx.ec

Centro de Documentación de Fundación Natura

Established: 1987

Contact: Jorge Yepez Cruz, Head Documentation Center

Books: 17000; Serials: 500; Maps: 715; Photos: 3000; A/V: 120

Subjects: Biodiversity; Protected areas; Natural resources; Urban ecology; Pesticides; Tropical rain forest; Amazonia; Environmental education; Environmental policy

Geographic area: Ecuador; Latin America; Global

Data: Bibliographics database on environment, pesticides, Amazonia

Photos database; Atlas database

Other: Databases on CD-ROM: REPIDISCA, LILACS, Secs, WHOLIS, PAHO, LEYES, ECO, DESASTRES, DAI, POPLINE, Preparedness Program

Publications: NATURA Newsletter

Library publications: Bibliographic catalogues on Pesticides, Protected Areas, Amazonia

IUCN Member Library

EcoCiencia, Fundación Ecuatoriana de Estudios Ecológicos (ECOC) [Ecuadorian Foundation for Ecological Studies]

Contact: María Dolores Escudero S., Librarian

Tamayo 1339 y Colón, P.O. Box 17-12-257, Quito, Ecuador

Tel: (593-2) 526-802

Fax: (593-2) 526-802

Telex:

E-mail: ecocia@ecocia.ec

EcoCiencia Library

Established: 1989

Books: 4167; Serials: 830; Maps: 42; Microform: 15000; A/V: 41

Subjects: Tropical fauna; Tropical flora; Botany; Biology; Ecology; Wildlife management; National parks; Wildlife conservation; Environmental education; Land Use

Geographic area: Ecuador; Latin America; Africa

Cooperation: System of exchange among national institutions

Library publications: The Bibliographic Bulletins from ECOCIENCIA

Type: GIS; Graphic; Started: 1991; Time period covered: 1991-1993

Language: En; Es

Database Products: Land use topographic maps

Contact: Fernando Redríguez, GIS Department Coordinator

** GUYANA

UNEP-Infoterra

Contact: Ms Mavis Taylor, Infoterra Officer

c/o UNDP, P.O. Box 10960, Georgetown, Guyana

Tel:

Fax: (592-2) 62942

Telex: 2201 GY

E-mail:

** PARAGUAY

UNEP-Infoterra

Contact: Ing. For. Arnulfo Fretes Escario, Viceministro

A Sourcebook for Conservation and Biological Diversity Information

Ing. Alfredo Molinas, La Dirección de Ordinamiento Ambiental, Ministerio de Agricultura y Ganadería, Subsecretaría de Estado de Recursos Naturales y Medio Ambiente, Tacuary No. 443 - 4° Piso, Asunción, Paraguay

Tel: (595-21) 443-971 / 433-854

Fax: (595-21) 440-167

Telex:

E-mail:

Preferred language: Spanish.

NCSD: Subsecretariat for Natural Resources and Environment (SSERNMA)

Presidente Franco 472, Asunción, Paraguay

Tel: (595-21) 449-614

Fax:

Telex:

E-mail:

**** PERU**

UNEP-Infoterra

Contact: Ing. Miguel Ventura Napa

Jefe del Instituto Nacional de Recursos Naturales (INRENA), Calle Diecisiete No. 355, Urb. El Palomar, San Isidro, Apartado Postal 4452, Lima, Peru

Tel: (51-14) 410-425

Fax: (51-14) 414-606

Telex:

E-mail: wvalenzuela@onern.pe

Preferred language: Spanish.

IUCN National Committee

Contact: Sr Carlos Chirinos

Comité peruano de la UICN-Peru, c/o Sociedad Peruana de Derecho Ambiental, Plaza Arrospide No. 9, San Isidro, Lima 27, Peru

Tel: (51-14) 400-549 / 224-033

Fax: (51-14) 424-365

Telex:

E-mail: postmaster@spda.pe

IUCN Member Library

Sociedad Peruana de Derecho Ambiental (SPDA) [Peruvian Society of Environmental Law (PSEL)]

Contact: Giulana Mavila, Chief of Library Project

Plaza Arrospide 9, San Isidro, Lima 27, Peru

Tel: (51-14) 400-549 / 224-033

Fax: (51-14) 424-365

Telex:

E-mail: gmu@spda2.org.pe

Biblioteca SPDA

Established: 1993

Books: 2000; Serials: 300; Maps: 30; A/V: 62

Subjects: Environmental law; Environmental policy; Environmental planning; International environmental law; Biodiversity; Ecosystems; Resources conservation; Amazonian forest; Indigenous people; Human rights

Geographic area: Peru; Latin America

Data: Bibliographical; Serials publications; Directory

Libraries, Information Services and Databases

** URUGUAY

UNEP-Infoterra

Contact: Lic. Annie Hareau, Director

Dirección Nacional de Medio Ambiente, Ministerio de Vivienda, Ordenamiento Territorial y Medio Ambiente, Zabala 1427, Casilla 11.000, Montevideo, Uruguay

Tel: (598-2) 963-954 / 965-133

Fax: (598-2) 965-132

Telex:

E-mail:

Preferred language: Spanish.

NCSD: National Environment Council

Contact: Mr Manuel Romay, Minister

c/o Ministry of Housing, Land, Territorial Planning and Environment, Zabala 1427, Montevideo, Uruguay 11000

Tel: (598-2) 950-211 / 950-421

Fax: (598-2) 962-914

Telex:

E-mail:

Mission: National Environment Council, with membership from public and private organizations, to serve as advisory council on environment policy.

** VENEZUELA

UNEP-Infoterra

Contact: Lic. Inés Tabares d'Ambrosio, Directora de Informática

Ministerio del Ambiente y de los Recursos Naturales Renovables, Torre sur - Piso 11, Centro Simón Bolívar, Caracas 1010, Venezuela

Tel: (58-22) 414-210

Fax: (58-2) 483-9112

Telex: 38332246 VC

E-mail:

Also serves as Infoterra Regional Service Centre.

Preferred language: Spanish.

NCSD: Ministerio del Ambiente y de los Recursos Naturales Renovables (MARNR) [Oficina de Desarrollo Profesional y Relaciones Interaccionales (ODEPRI)]

Contact: Beatriz Pineda Bravo, Director

Centro Simón Bolívar, Torre Sur, Piso 18, Caracas, Venezuela

Tel: (58-2) 483-4638

Fax: (58-2) 483-2445

Telex:

E-mail:

Mission: The creation of a National Commission on Sustainable Development has been proposed and discussions are advanced. The MARNR, through the ODEPRI, is the institution responsible for the actions aimed at adapting Agenda 21 and the other Rio Agreements to the reality of Venezuela. A program called "Adiestramiento y Desarrollo PAD-MARNR" was conceived for capacity-building of the professionals in the management of environmental issues. Sub-programs are contemplated in areas such as biodiversity, environmental impact of projects, environmental economics, ecotourism, national accounting and others. An environmental program for international cooperation was also conceived. A national directory to match the priorities of this department with the program areas of Agenda 21 is being completed.

A Sourcebook for Conservation and Biological Diversity Information

IUCN National Committee

Contact: Mr Armando Hernandez Arocha, Secretario Ejecutivo
Comité Venezolano de Miembros de la UICN, c/o Fundación Polar, Apartado Postal 70934, Los Ruices,
Zona Postal 1079A, Caracas, Venezuela
Tel: (582) 359-454
Fax: (582) 239-6547
Telex:
E-mail:

WWF Affiliate and IUCN Member Library

Fundación para la Defensa de la Naturaleza (FUDENA) [Foundation for the Defence of Nature]

Contact: Ms Glenda Medina, Executive Director
Ave. Principal Los Cortijos de Lourdes., Edif. Centro, Empresarial Senderos Piso Of.611, Apartado Postal
70376, Caracas 1071-A, Venezuela
Tel: (58-2) 359-454 / 238-2930 / 238-1793
Fax: (58-2) 239-6547
Telex:
E-mail: fudena@dino.conicit.ve

Centro de Documentación e Información de FUDENA (CEDIF)

Established: 1988

Contact: Ing. William Navas, Coordinador; Lic. A.Consuelo d'Escrivan, Bibliotecóloga; T.S.U. Miguel Perrez,
Auxiliar

Books: 3440; Serials: 1544; Maps: 296; Photos: 1570; A/V: 215

Subjects: Ecology; Biology; Botany; Environmental Education; Zoology; National Parks; Protected Areas;
Ecotourism; Eco-development; Tropical Forests

Geographic area: Venezuela; International

Other: Loans out slides and videos

Cooperation: Centro de Documentacion del Caribe; CATIE; SECAB; BIODOC

Library publications: Library acquisition listing 1993 (2 volumes)

Databases: LIBRO: Books; PAPER: Reports; SERIE: Journals & Bulletins

Subjects: Ecology; Zoology; Biology; Environmental Education; Eco-tourism; Protected Areas; Environmental
Conservation

Geographic area: Venezuela; International

Started: 1993; Time period covered: Since 1980

Language: En; Es

Database Products: Acquisitions list

Online access: Sistema Automatizado de Información Científica y Tecnológica - Red Internacional

Contact: William Navas, Coordinator

IUCN Member Library

Fundación Venezolana para la Conservación de la Diversidad Biológica (BIOMA) [Venezuelan Foundation for Conservation of Biological Diversity]

Contact: Ramon Figueroa, Biblioteca Bioma
Apartados 1968, Caracas 1010-A, Venezuela
Tel: (58-2) 571-8831
Fax: (58-2) 571-1412
Telex:
E-mail:

Libraries, Information Services and Databases

Biblioteca Bioma

Established: 1986

Books: 2706; Serials: 789; Maps: 3; Photos: 5060; A/V: 320

Subjects: Environment

Geographic area: Venezuela

A Sourcebook for Conservation and Biological Diversity Information

**** 2.5 AMERICA: Caribbean Region**

UNEP-Infoterra

Regional Service Centres in Chile, Venezuela and the United States

UNEP-GRID

Regional Archive in Brazil.

UNEP-Regional Co-ordinating Unit for the Caribbean Environment Programme

Contact: Ms Beverly A. Miller, Officer-in-Charge
(CAR/RCU - UNEP), 14-20 Port Royal Street, Kingston, Jamaica
Tel: (1 809) 922-9267 / -9268 / -9269
Fax: (1-809) 922-9292
Telex: 3672 UNEPCAR JA
E-mail: UNX400@unienet / uneprcuja@igc.apc.org

UNEP/RCU Documentation room

Established: 1988

Library Contact: Lesma Levy, Information assistant; Leroy Smith, Data entry

Books: 8000; Serials: 300; Maps: 10; Photos: 15; A/V: 20

Subjects: Protected areas; Threatened species; Experts

Geographic area: Caribbean; Wider Caribbean region

Catalogs: Experts, Institutions, Projects, Documentation, Protected areas and Threatened species databases

Other: Selective dissemination of information

Library publications: Informal listings of subject areas

Databases: CARLI

Type: Factual; Started: 1988; Time period covered: 1987-present; Items: 8000; Language: En; Fr

Database Products: Directories on request

Contact: Lesma Levy, Information assistant

SEE ALSO

Inter-American Development Bank.

Neither IUCN nor WWF have Caribbean Region offices. Instead, they are served through the Central or Latin America Offices.

IUCN Member Library

Caribbean Conservation Association (CCA)

Contact: Maritza Hee Houng, Information specialist; Lisbeth Watson, Librarian

Savannah Lodge, The Garrison, St. Michael, Barbados

Tel: (1-809) 426-5372 / 426-9633 / -9635

Fax: (1-809) 429-8483

Telex:

E-mail:

Caribbean Conservation Association Information Centre

Established: 1994

Books: 2000; A/V: 30

Subjects: Environmental management; Marine parks; Environmental conservation; Tourism; Heritage

Geographic area: Caribbean

A Sourcebook for Conservation and Biological Diversity Information

Other: Computer searches on request

**** ANTIGUA and BARBUDA**

UNEP-Infoterra

Contact: Mrs Candia Williams, Conservation Officer II
Ministry of Tourism, Culture and Environment, Queen Elizabeth Highway, Saint John's, Antigua-West Indies

Tel: (1-809) 462-4625

Fax: (1-809) 462-2836

Telex:

E-mail:

NCSD: Ministry of Economic Development, Tourism, Industry and Commerce

Contact: Mrs Candia Williams, Conservation Officer II
New Administration Building, Queen Elizabeth Highway, St. John's, Antigua-West Indies

Tel: (1-809) 462-4625

Fax: (1-809) 462-2836

Telex:

E-mail:

**** BAHAMAS**

UNEP-Infoterra

Contact: Mrs. Lynn Holowesko, Infoterra NFP, Chairman, The Bahamas Environment, Science and Technology Commission, Office of the Prime Minister, PO Box CB-10980, Nassau, The Bahamas

Tel: (1-809) 327-4691/4, (1-809) 327-5826/9

Fax: (1-809) 327-4626, (1-809) 327-5806

Telex:

E-mail:

IUCN Member Library

The Bahamas National Trust

Contact: Mrs Lynn Gape, Education and Public Relations Officer; Monique Clarke, Junior Education Officer

The Retreat, Village Road, P.O. Box N-4105, Nassau, Bahamas

Tel: (1-809) 393-1317

Fax: (1-809) 393-4978

Telex:

E-mail:

The Bahamas National Trust Reference Library

Books: 1148; Serials: 34; Maps: 186; Photos: ca. 1800; A/V: 88

Special collections: 6 slide presentations; Environmental Protection Agency technical information packages

Subjects: Biology; Zoology; Astronomy; Animals; Birds; Amphibiens; Reptiles; Marine; Flora; Marine life; Environment; Geology; Geography; Ecology; Law; History

Geographic area: Bahamas; Caribbean

Catalogs: IUCN Publications; Safari Educational Toy; National Geographic

Other: Poster distribution

Cooperation: USIS; IUCN Library

Publications: The Bahamas Naturalists; Discovery; Currents

**** BARBADOS**

UNEP-Infoterra

Libraries, Information Services and Databases

Contact: Mr Lionel Moe, Permanent Secretary (Environment)
Ministry of Tourism, International Transport and the Environment, Sir Frank Walcott Building, Culloden Rd, St. Michael, Barbados
Tel: (1-809) 431-7680
Fax: (1-809) 437-8859
Telex:
E-mail:

** BELIZE

UNEP-Infoterra

Contact: Mr Jaime Villanueva
Infoterra NFP, Fisheries Department, Princess Margaret Drive, P.O. Box 148, Belize City, Belize
Tel: (501-2) 44-552 / 32-623
Fax: (501-2) 32-983
Telex: 211 BTL BOOTH BZ
E-mail:

NCSD: Ministry of Tourism and the Environment

Contact: Mr Víctor Gonzalez, Permanent Secretary
Belmopán, Belize
Tel: (501-8) 23-393
Fax: (501-8) 22-862
Telex:
E-mail:

** CUBA

UNEP-Infoterra

Contact: Dr. Jorge Mario Garcia Fernandez, Director, CNC de Infoterra
Centro de Información, Divulgación y Educación Ambiental (CIDEA), Agencia de Medio Ambiente, Ministerio de Ciencia, Calle 18-A No. 4114 e/43 y 47, Playa 11300 La Habana, Cuba
Tel: (53-7) 296-014 / 201-514
Fax: (53-7) 330-559
Telex:
E-mail:

Preferred language: Spanish.

NCSD: National Commission for the Protection of the Environment and Rational Use of Natural Resources

c/o Office of the Council of Ministers, Havana, Cuba
Tel:
Fax:
Telex: 511383
E-mail:

Mission: The Commission executes the National System for the Protection of the Environment and monitors its implementation by national sectoral agencies. In December 1992, the parliament amended Article 27 of the Constitution to integrate environment, economic and social development concerns, stating, "The State protects the environment and the natural resources; citizens must contribute to the protection of water, conservation of soils, flora and fauna." There are 14 provincial programmes along with national studies on biodiversity, climate change, etc.

** DOMINICA

A Sourcebook for Conservation and Biological Diversity Information

UNEP-Infoterra

Contact: Mr Felix Gregoire, Director
Forestry and Wildlife Division, Ministry of Agriculture, Botanical Gardens, Roseau, Dominica-West Indies
Tel: (1-809) 448-2401, ext. 415 or 417
Fax: (1-809) 448-7999
Telex:
E-mail:

** DOMINICAN REPUBLIC

NCSD: Comision Nacional Para el Seguimiento de los Acuerdos de la Conferencia de las Naciones Unidas Para el Medio Ambiente y el Desarrollo

Contact: Ing. Carlos Morales Troncoso, Presidente
Apartado Postal 20200, Santo Domingo, D.N., Republica Dominicana
Tel: (1-809) 221-8625
Fax: (1-809) 221-8627
Telex:
E-mail:

Mission: The Commission is composed of 8 technical sub-commissions which will prepare national reports about the main projects being implemented in the country aiming at sustainable development.

** HAITI

UNEP-Infoterra

Contact: M. Dalberg Claude, Chef
Service de Protection de l'Environnement, Ministère de l'Agriculture et des Ressources Naturelles et du Développement Rural, P.O. Box 1441, Port-au-Prince, Haiti
Tel: (509-1) 21-867
Fax: (509-1) 23-599
Telex:
E-mail:

Preferred language: French

** JAMAICA

UNEP-Infoterra

Contact: Ms Yolanda N. Mittoo, Senior Librarian
Natural Resources Conservation Authority (NRCA), 53 1/2 Molyneux Road, P.O. Box 305, Kingston 10, Jamaica
Tel: (1-809) 923-5155 / 923-5166 / 923-5125
Fax: (1-809) 923-5070
Telex:
E-mail:

** SAINT KITTS AND NEVIS

UNEP-Infoterra

Contact: Mr. Leonard Huggins, Environmental and Development Officer, Infoterra NFP
Planning Unit, Charlestown, Nevis, St. Kitts & Nevis
Tel: (1-809) 469-5521
Fax: (1-809) 469-5435
Telex:
E-mail:

Libraries, Information Services and Databases

** SAINT LUCIA

UNEP-Infoterra

Contact: Ms Vanesta Moses-Felix, Government Documentalist
Documentation Centre, Ministry of Planning, Personnel, Establishment, & Training, P.O. Box 709,
Castries, St. Lucia

Tel: (1-809) 453-2005 / 453-2699

Fax: (1-809) 453-2506

Telex:

E-mail:

NCSD: Environmental Health Section

Contact: Mr John Compton, Minister
Ministry of Planning and Development, Castries, Saint Lucia

Tel: (1-809) 452-2262

Fax:

Telex:

E-mail:

** TRINIDAD and TOBAGO

NCSD: Ministry of Planning and Development

Contact: Carlyle Greaves, Permanent Secretary
Eric Williams Finance Building, 14th Floor, Eric Williams Plaza, Independence Square, Port-of-Spain,
Trinidad and Tobago

Tel: (1-809) 627-9700

Fax:

Telex:

E-mail:

IUCN Member Library

Institute of Marine Affairs (IMA)

Contact: Ms Tessa Otley, Librarian
Hilltop Lane, Chaguaramas, P.O. Box 3160, Carenage P.O., Trinidad and Tobago

Tel: (1-809) 634-4291

Fax: (1-809) 634-4433

Telex:

E-mail: ima.trinidad.library@omnet.co

IMA Library and Information Center

Established: 1984

Books: 7000; Serials: 25; Maps: 15; Microform: 30; Photos: 2000; A/V: 16

Special collections: IOC Collection

Subjects: Marine biology; Oceanography; Coral reefs; Fisheries; Pollution; Environmental management

Geographic area: Trinidad and Tobago; Caribbean; Global

Data: In-house bibliography

Other: Computer bases searches on request

Publications: Caribbean Marine Studies

Library publications: Accessions List

A Sourcebook for Conservation and Biological Diversity Information

**** 2.6 ASIA**

UNEP-Infoterra

Regional Service Centre for the Southern Asia Sub-region is in India
Regional Service Centre for the South-eastern Asia Sub-region is in Australia.

UNEP-GRID

Regional Archives in Japan, Nepal, and Thailand.

UNEP-Regional Office For Asia and The Pacific (ROAP)

Contact: Mr Suvit Yodmani, Director and Regional Representative
United Nations Building, Rajdamnern Avenue, Bangkok 10200, Thailand
Tel: (66-2) 2829-161 to 2829-200 / 2829-381 to -389
Fax: (66-2) 2803-829 / 2829-602
Telex: TH 82315 BANGKOK or TH 82392 BANGKOK
E-mail:

UNEP-Regional Co-ordinating Unit for East Asian Seas (RCU/EAS)

Contact: Mr Reza Amini, Acting Co-ordinator
10th Floor, United Nations Building, Rajdamnern Avenue, Bangkok 10200, Thailand
Tel: (66-2) 2678-007 / 2812-428
Fax: (66-2) 2678-008
Telex: TH 82392 BANGKOK, TH 82315 BANGKOK
E-mail:

TRAFFIC-Southeast Asia

Contact: Mr Steven Broad, Director
Locked Bag No. 911, Jln. Sultan PO, 46990 Petaling Jaya, Selangor, Malaysia
Tel: (60-3) 791-3159
Fax: (60-3) 717-5405
Telex:
E-mail:
National Offices in India, Japan, and Taiwan.

IUCN Member Library

Asian Wetland Bureau (AWB)

Contact: Molly Chua, Librarian; Norzedel Ali, Publication Officer
IPT-AWB, University of Malaysia, Kuala Lumpur 59100, Malaysia
Tel: (60-3) 756-6624
Fax: (60-3) 757-1225
Telex: UNIMAL MAL 39845
E-mail:

Asian Wetland Bureau Library

Established: 1990

Books: 1200; A/V: 10

Subjects: Aerial surveys; Wetlands

Geographic area: Asia

Data: Papers on Wetland Conservation; Publications/Journals on Wetlands

Publications: Asian Wetland News

Library publications: Current Contents

A Sourcebook for Conservation and Biological Diversity Information

Databases: Wetland Data Base (WDB)

Type: Factual; Numeric; Dictionary; Started: 1990; Time period covered: 1980-; Items: 17809;

Language: En; In

Database Products: User's manual; Report/Information; WOB package

Contact: Nono Suyatno, WDB Manager

SEE ALSO:

Asian Development Bank (Chapter 1)

** AFGHANISTAN

NCSO: Office of Environmental Habitat

Established: 1992

Tel:

Fax:

** BANGLADESH

UNEP-Infoterra

Contact: Mr Syed A.N.M. Wahed, Director General

Dept. of Environment, Govt. of P.R. Bangladesh, House No. 2, Road No. 16 (New),
Dhanmondi, Dhaka-12091, Bangladesh

Tel: (880-2) 31 24 89 / 31 48 28 / 31 86 82

Fax:

Telex: C/O UNDEVPRO DHAKA

E-mail:

NCSO: National Environment Committee

c/o Ministry of Forests, Environment, Livestock and Fisheries, Bangladesh Secretariat, Building 6, Room
No. 1309, Dhaka, Bangladesh

Tel: (880-2) 83 46 99 / 40 43 49

Fax: (880-2) 41 93 78

IUCN Country Office

Contact: Mr. Anwarul Islam, Programme Coordinator, IUCN Country Office, 76 Satmasjid Road, 1209
Dhaka, Bangladesh

Tel: (880-2) 81 50 61

Fax: (880-2) 81 76 63/81 53 86

Telex:

E-mail:

IUCN Member Library

Bangladesh Forest Department

Contact: Md Nazimuddin, Librarian

Bana Bhaban, Gulshan Road, Mohakhali, Dhaka-1212, Bangladesh

Tel: (880-2) 60 59 23

Fax:

Telex:

E-mail:

Forest Department Library

Libraries, Information Services and Databases

Established: 1988

Books: 3864; Serials: 15; Maps: 2

Special collections: History of Bangladesh war of independence

Subjects: Agriculture; Agroforestry; Botany; Forestry; Ecology; Hydrology; Nature conservation; Soil management; Wildlife; Zoology

Geographic area: Bangladesh

Catalogs: Card catalogue

Other: Reference services

** BHUTAN

UNEP-Infoterra

Contact: Communications Officer

National Environment Commission, Post Box No. 466, Thimphu, Bhutan

Tel: (975-2) 23 384

Fax: (975-2) 23 385

Telex:

E-mail:

NCSD: National Environmental Commission (NEC)

Contact: Dasho Peljore J. Dorji, Deputy Minister for Environment

Post Box No. 466, Royal Government of Bhutan, Thimphu, Bhutan

Tel: (975-2) 23 384 / 24 323

Fax: (975-2) 23 385

Mission: The long-term objectives of the NEC are to define and to establish policies, plans, organizations, and actions whereby the sustainability of the resources will be fully integrated with every aspect of the country's social and economic development. The more specific short-term objectives are: 1. to formulate a National Environmental Strategy which will serve as a planning guide for the country; 2. to enhance the knowledge and understanding of environmental matters and sustainability throughout the Bhutanese community; 3. to institutionalise Environmental Impact Assessments.

Established: 1989

WWF Country Representative

Contact: Mr Mingma Norbu Sherpa

Post Box No. 210, Thimphu, Bhutan

Tel: (975-2) 23 528 / 23 316

Fax: (975-2) 23 518

Telex:

E-mail:

** CAMBODIA

UNEP-Infoterra

Contact: Infoterra NFP

Ministry for Environment #48, Samdech Preah Sihanouk, Tonle Bassac, Chamkamon, Phnom Penh, Cambodia

Tel: (855) 232-7844

Fax: (855) 232-7844

Telex:

E-mail:

NCSD: State Secretariat for Environment

Contact: Chhun Sareth, Director

A Sourcebook for Conservation and Biological Diversity Information

Department of Nature Protection, 48 Samdech Preah Sihanouk, Tonle Bassac, Chamkanon, Phnom Penh, Cambodia

Tel: (85-5) 2327 844

Fax: (85-5)-2327 844

Telex:

E-mail:

IUCN-OFFICE CAMBODIA

Contact: Mr David Ashwell, Liaison Officer

IUCN Office Cambodia, Phnom Penh, Cambodia

Tel: (85-5) 2326-299

Fax: (85-5) 2326-163

Telex:

E-mail:

**** CHINA, People's Republic of**

UNEP-Infoterra

Contact: Prof. Kangsheng Zhang, Executive Deputy Director

Infoterra/China NFP, Research Center for Eco-Environmental Sciences, Academia Sinica, P.O. Box 2871, Beijing 100085, China

Tel: (86-1) 254-5511, ext. 2139

Fax: (86-1) 255-5381

Telex: 5499 BEIJING

E-mail:

NCSD: Chinese Society of Science and Technology for Social Development (CSSTSD)

Contact: Deng Nan, President

20 West Chehongzhuang Road, P.O. Box 366, Beijing, People's Republic of China

Tel: (86-1) 841-5522 ext. 916 or 917 / 842-8175

Fax: (86-1) 842-8175 / 851-4854

Mission: The CSSTSD has gathered together many well-known specialists, scholars, administrators and entrepreneurs. Their interests include the demographic, resources-related and environmental aspects of social development. Together they form a network of economists, scientists, engineers, educators, and social scientists. The society includes: the General Office of the Society; Working Commissions (International Cooperation, Promoting and Publicity, Academy Research, Comprehensive Experimental Communities for Sustainable Development, Organization); Special Committees (Sustainable Development, Human Settlement, Water Resources, Natural Disaster Reduction and Prevention)

Established: 1992 January 14

NCSD: The Administrative Centre for China's Agenda 21 (ACCA21)

Contact: Mr Shen Longhai and Mr. Gan Shijun, Co-Directors

30 Baishiqiao Road, Beijing, People's Republic of China

Tel: (86-1) 831-3546 / 831-4433 ext. 2931

Fax: (86-1) 831-3546

Mission: ACCA21 shall (1) be responsible for the routine administration for implementing China's Agenda 21; (2) serve as the executing agency of the capacity-building projects; (3) provide information and consulting services for the formulation and implementation of sustainable development strategies, policies, and programmes at various levels; (4) facilitate international cooperation, in particular environmentally sound technology transfer; (5) conduct personnel training; and (6) serve as the Secretariat of China Council on Sustainable Development (to be founded).

Established: 1993 March

Libraries, Information Services and Databases

WWF China Programme Coordinator

Contact: Mr Daniel Viederman
c/o WWF Hong Kong, No.1, Tramway Path, GP.O. Box 12721, Hong Kong
Tel: (852) 526-1011
Fax: (852) 845-2734
Telex:
E-mail:

IUCN Member Library

Commission for Integrated Survey of Natural Resources, The Chinese Academy of Sciences (CISNAR)

Contact: Chen Guo-nam, Associate Prof.; Dai Yue-yin, Associate Research Librarian
Chao Yang Qu, An Wai, Po Box 9717, Da Tun Lu, 917 Building, 100101 Beijing, China
Tel: (86-1) 491-7814
Fax: (86-1) 491-4230
Telex:
E-mail:

Library of Commission for Integrated Survey of Natural Resources
Established: 1956
Serials: 40096; Maps: 2500
Subjects: Natural resources; Agriculture; Environmental management
Geographic area: China
Publications: Journal of Nature Resources, Natural Resources Translations (both in Chinese)

** HONG KONG

UNEP-Infoterra

Contact: Dr. Stuart Reed, Director of Environmental Protection
Environmental Protection Department, 28th Floor, Southern Centre, 130 Hennessy Road, Wanchai, Hong Kong
Tel: (852) 2835-1700
Fax: (852) 2838-2155
Telex:
E-mail:

TRAFFIC-Hong Kong

Contact: Judy Mills, Director
c/o WWF-Hong Kong, No. 1 Tramway Path, Central, G.P.O. Box 12721, Hong Kong
Tel: (852) 526-1011
Fax: (852) 845-2734
Telex:
E-mail:

WWF-Hong Kong

Contact: Mr Hans Michael Jebsen
GP.O. Box 12721, Hong Kong
Tel: (852) 526-1011
Fax: (852) 845-2734
Telex: 0802 66711 wwfhk hx
E-mail:

** INDIA

A Sourcebook for Conservation and Biological Diversity Information

UNEP-Infoterra

Contact: Mr Harjit Singh, Director (ENVIS)
Ministry of Environment & Forests, B Block, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi 110 003, India
Tel: (91-11) 436-0419
Fax: (91-11) 436-1228
Telex: 31 66185 DOE IN
E-mail:

Also serves as Infoterra Regional Service Centre.

NCSD: National Environmental Council

Contact: Mr R. Rajamani, Secretary
Ministry of Environment & Forests, B Block, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi 110 003, India
Tel: (91-11) 436-0721
Fax: (91-11) 436-0678
Telex: W-66185 DOE IN

Mission:

- 1) The Council will advise the Ministry of Environment & Forests in its work on environment policy and planning matters of national concern.
- 2) The Council will act as a "Think-Tank" on important environment policy matters and also provide planning and other inputs in an advisory capacity on issues and matters which may be placed before it by the Ministry of Environment & Forests.

Established: 1993 September 14

IUCN National Committee

Contact: Mr Shri T.N. Seshan, Secretary
Indian National Committee for IUCN, c/o Department of Environment, Forests & Wildlife, B-II Block, Paryavaran Bhawan, GCO Complex, Lodi Road, New Delhi 110-003, India
Tel: (91-11) 38-4461 / 38-8071
Fax:
Telex:
E-mail:

TRAFFIC-India

172-b Lode Estate New Delhi 110003, India
Tel: (91-11) 461-1258 / 462-7582
Fax: (91-11) 462-2727
Telex: 2428231 WWF JPN J
E-mail:

WWF-India

P.O. Box 3058, New Delhi 110 003, India
Tel: (91-11) 469-3744 / 461-6532 / 462-7586
Fax: (91-11) 462-6837
Telex:
E-mail:

IUCN Member Library Development Alternatives

Contact: Mr George C. Varughese, Chairman, Information Unit; Amit Ghosh, Head Librarian

Libraries, Information Services and Databases

B-32 Tara Crescent, Qutab Institutional Area, New Delhi 110 016, India

Tel: (91-11) 66-5370 / 65-7938

Fax: (91-11) 686-6031

Telex:

E-mail: tara@da.tool.nl

sdn@doe.ernet.in

Note: This organization serves as an IUCN Depository Library.

Information Unit

Established: 1984

Books: 10700; Serials: 160; Maps: ca. 300; Microform: 1000; Photos: 2000; A/V: 150

Subjects: Environment; Information systems; Appropriate technology; Institution building; Information systems;

Social participation

Geographic area: India; South Asia; Global

Data: SDI; Referral; State of Art Reports

Cooperation: ENVIS Centres in India; Major technical libraries in Delhi

Library publications: Specialised thesauruses

IUCN Member Library

The Environment Society of India (ESI)

Contact: S. K. Sharma, President ESI

Karuna Sadan, Sector 11-B, Chandigarh 160 011, India

Tel: (91-172) 28 832

Fax: (91-172) 53 05 31

Telex:

E-mail:

Library for Environmental Sciences

Established: 1988

Books: 3420; Serials: 15; Maps: 22; Photos: 500; A/V: 200

Subjects: Toxic chemicals; Hazardous wastes; Forest ecosystems; Soil conservation; Desertification; Wildlife;

Protected areas; Environmental health; Genetic; Energy; Industry; Environmental education

Geographic area: India

Publications: Available

IUCN Member Library

Ministry of Environment and Forests, Government of India

Contact: S. C. Garkoti, Scientific Officer

B Block, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi 110 003, India

Tel: (91-11) 436-1669, Ext. 421

Fax: (91-11) 436-0678

Telex: W - 66185 DOE IN

E-mail:

Ministry of Environment and Forests Library

Established: 1982

Books: 19000+; Serials: 200+; A/V: 40

Subjects: Environmental management; Forests

Geographic area: India; Global

Other: Reference, CAS, SDI, Referral. Manual searches for scientists, researchers, academics, NGO's, etc

A Sourcebook for Conservation and Biological Diversity Information

Library publications: New additions list

IUCN Member Library

Wildlife Institute of India (WII)

Contact: Madan Singh Rana, Librarian
P.O. Box 18, Chandrabani, Dehra Dun-248001, India
Tel: (91-135) 620-912 / -913 / -914 / -915
Fax: (91-135) 620-217
Telex: 585/271 WII IN
E-mail:

WII Library and Documentation Centre

Established: 1982

Books: 9000; Serials: 206; Maps: 7000; Photos: & Slides 8400; A/V: 141; Reprints: 5500

Subjects: Wildlife biology; Ecology; Protected areas; Land use planning; Eco-development; Environmental education; Tourism & interpretation

Geographic area: India

Catalogs: Online

Data: WILIB: Books & reports; WIIR: Reprints; WILD: Abstracting service on India

Other: Searches for users

Cooperation: Indian National Scientific Documentation Centre (INSDOC)

Library publications: Current contents; Bibliographies

Databases: National Wildlife Database

Subjects: Wildlife conservation; Conservation status of species; Biogeographic regions; Protected areas

Geographic area: India

Type: Factual; Graphic; GIS; Mumeric; Mailing list; Started: 1989; Time period covered: 1989 - present;

Items: 10 Mb of disk space; Language: En

Online access: On a LAN

Contact: Dr. V.B. Mathur, Principal Investigator, National Wildlife Database Project

** INDONESIA

UNEP-Infoterra

Contact: Mrs Utari Budihardjo, Head, Dissemination of Scientific Information Division
Centre for Scientific Documentation and Information PDII-LIPI, Jl. Jend. Gatot Subroto 10, Jakarta 12190,
P.O. Box 4298, Jakarta 12042, Indonesia
Tel: (62-21) 57 33 465 / 57 33 466 / 52 51 063
Fax: (62-21) 57 33 467
Telex:
E-mail:

NCSD: Ministry of Environment

Contact: Dr R.E. Soeriaatmadja, Assistant Minister of Environment
Ministry of Environment, Jakarta, Indonesia
Tel:
Fax:
Telex:
E-mail:

WWF Representative

Contact: Dr Russell Betts

Libraries, Information Services and Databases

Jalan Pela No. 3 Gandaria Utara, P.O. Box 7928 JKSKM, Jakarta Selatan 12079, Indonesia
Tel: (62-21) 720-3095 / 739-5907
Fax: (62-21) 739-5907
Telex: 47243 pactok 1a (wwf)
E-mail:

** JAPAN

UNEP-Infoterra

Contact: Mr Hiroshi Hatano, Director
& Infoterra National Focal Point
Mr Hadetoshi Nishina, Technical Officer
Environmental Information Centre, National Inst. for Environmental Studies, 16-2 Onogawa, Tsukuba,
Ibaraki 305, Japan
Tel: (81-298) 51 61 11
Fax: (81-298) 51 47 32
Telex: J 33855 JPNEA
E-mail: nfp@nies.go.jp

Environmental Information Center

Established: 1974

Contact: Fujitaka Morita, Chief, Library and Research Information Section

Books: 43120; Serials: 2358; Maps: 8494; Microform: 90721

Special collections: Selected Research in Microfiche (SRIM) from NTIS for Environmental pollution & control

Subjects: Environmental Research

Geographic area: Japan

Data: In-house: NIES-Book; NIES-SC; INFOTERRA; CD-ROM: NTIS, MEDLINE, CCOD(FD).

Online: JOIS, DIALOG, STN.G-Search, ASSIST

Cooperation: NIES-NET, EI-NET, IUCN Member

Publications: Annual report; Research Report

Library publications: Holding Book List; Holding Serial List; 5 other series available.

UNEP-GRID: Global Resource Information Database

Contact: Shuzo Nishioka, Facility manager
GRID - Tsukuba, Center for Global Environmental Research, National Institute for Environmental Studies,
16-2, Onogawa, Tsukuba, Ibaraki 305, Japan
Tel: (81-298) 51 61 11, Ext. 380
Fax: (81-298) 58 26 45
Telex:
E-mail: shishiok@nies.go.jp

GRID - Japan Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSD: Central Environment Council

A Sourcebook for Conservation and Biological Diversity Information

Contact: Jiro Kondo, Chairman

Planning and Coordinations Bureau, Environment Agency, 1-2-2, Chiyoda-ku, Kasumigaseki, Tokyo, Japan 100

Tel: (81-3) 3580-1374

Fax: (81-3) 3580-2517

Telex:

E-mail:

Mission: The tasks of the Council are: to develop recommendations for the Director General of the Environment Agency with regard to implementation of measures of the Basic Law of Environment Protection, including implementation of the Rio package; to study and discuss matters related to environmental conservation in response to consultations by the Prime Minister, the Director General of the Environment Agency, or other ministers concerned; and to perform delegated tasks as provided for by other laws and ordinances. The Council submits its opinions to the Prime Minister, the Director General of the Environment Agency, or other ministers concerned.
Established: 1993 November 19

NCSD: Ad Hoc Group on Global Environmental Problems

Contact: Jiro Kondo, Chairman

Environment Agency, 1-2-2, Chiyoda-ku, Kasumigaseki, Tokyo, Japan 100

Tel: (81-3) 3580-1375

Fax: (81-3) 3504-1634

Telex:

E-mail:

Mission: This committee was organized by an instruction of the Prime Minister in September 1980. The Committee undertakes the following tasks and forwards recommendations to the Minister of the Environment Agency: to assess the current status and future perspectives on global environmental problems from general points of view and to give a comprehensive judgement; to suggest a Japanese basic policy for global environmental issues; and, to suggest an agenda for the future and manners of discussions for global environmental issues.
Established: 1980 September

IUCN National Committee

Contact: Prof. Dr. Makoto Numata, Chairman

IUCN Japan Committee (IUCNJC), The Nature Conservation Society of Japan, Toranomom-Denki Building, 2-8-1 Toranomom, Minato-Ku, Tokyo 105, Japan

Tel: (81-3) 3502-0488

Fax:

Telex:

E-mail:

TRAFFIC-Japan

7th Fl. Nihonseimei Akabanebashi Bldg, 3-1-14, Shiba, Minato-ku, 105, Tokyo, Japan

Tel: (81-33) 769-1716

Fax: (81-33) 769-1304

Telex: 2428231 WWF JPN J

E-mail:

WWF-Japan

Contact: Mr Kazuo Inomata

Nihonseimei Akabanebashi Bldg., 3-1-14 Shiba, Minato-ku, Tokyo 105, Japan

Tel: (81-3) 3769-1711

Fax: (81-3) 3769-1717

Libraries, Information Services and Databases

Telex:
E-mail:

** LAOS

IUCN Project Office

Contact: Mr Stuart Chape, IUCN Representative, P.O. Box 4340,
15 Fa Ngum Road, Vientiane, Laos
Tel: (856) 2121-6127
Fax: (856) 2121-6127
Telex: 4491 or 4492 te vte la
E-mail:

** KOREA, Democratic People's Republic of

UNEP-Infoterra

Contact: Mr Li Sang Sol,
National Coordinating Committee of DPR Korea for Environment, P.O. Box 44, Jungsong-dong, Central
District, Pyongyang, DPR Korea
Tel: (850) 3 338-632
Fax: (850) 2 814-660
Telex:
E-mail:

NCSD: State Environmental Committee

Contact: Ri Kon-il, Chairman
Pyongyang, Democratic People's Republic of Korea
Tel:
Fax:

Mission: State Environmental Committee has the purpose to organize NGOs and the public to play a useful role in Agenda 21 implementation.

** KOREA, Republic of

UNEP-Infoterra

Contact: Dr Yoo Won Lee, Director, Research Planning Division
National Institute of Environmental Research (NIER), 280-17 Bulkwang-Dong, Eunpyung-Gu, Seoul,
Republic of Korea
Tel: (82-2) 389-6711 / 389-6720 Ext 251
Fax: (82-2) 389-8712
Telex: 25783 ENVIROK
E-mail: DRH839S@chollian.dacom.co.kr

NCSD: Ministry of the Environment

7-16, Shinch'on-dong, Songp'a-gu, Seoul, Republic of Korea
Tel: (82-2) 421-0217
Fax: (82-2) 421-0280

IUCN Member Library

Ministry of Environment(MOE)

Contact: E.D.P.S. and Statistics Officer, MOE
The 2nd Government Complex, Kwacheon 427-760, Kwacheon, Republic of Korea
Tel: (82-2) 504-9293
Fax: (82-2) 504-9204

A Sourcebook for Conservation and Biological Diversity Information

Telex:
E-mail:

MOE Library

Established: 1980

Books: 19000; Serials: 10000; Maps: 2000

Cooperation: On line links with the National Institute of Environmental Research; Environmental Management Corporation; Korea Resources Recovery and Reutilization Corporation

Library publications: List of Materials - biannual

IUCN Member Library

National Institute of Environmental Research (NIER)

Contact: Director of the Research Planning Division, NIER

280-17, Bulkwang-Dong, Eunpuung-Gu, Seoul, Republic of Korea

Tel: (82-2) 389-6711

Fax: (82-2) 389-8712

Telex:

E-mail:

NIER Library

Established: 1978

Books: 7632; Serials: 9772; Microform: 21620

Other: Computer searches for NIER staff

Cooperation: On line link with the Ministry of Environment

**** MALAYSIA**

UNEP-Infoterra

Contact: Department of Environment, Ministry of Science, Technology and the Environment, 13th Floor, Wisma Sime Darby, Jalan Raja Laut, 50662 Kuala Lumpur, Malaysia

Tel: (60-3) 294-7844

Fax: (60-3) 293-1480 / 293-6146

Telex: MOSTEC MA 28154

Cable: SEKITAR

E-mail:

NCSD: National Steering Committee for Environment and Development

Contact: Mr Hamidon Ali, Under Secretary General

Ministry of Foreign Relations, Wisma Putra, Kuala Lumpur, Malaysia 50602

Tel: (60-3) 248-8088

Fax: (60-3) 242-4808

Telex:

E-mail:

Mission: National Development Council was expanded in August 1992 to include Ministers responsible for environment and conservation. "MEXCOE" group, consisting of Federal and State ministers responsible for environmental affairs, is chaired by the Prime Minister and meets regularly. The Sixth Malaysia Plan (1991-95) and the Second Outline Perspective Plan (OPP2) (1991-2000) as well as the New National Development Policy and Sectoral policies provide the basis for national action. Efforts are being undertaken to integrate existing policy objectives into a National Environmental Policy (NEP) to enhance environment and foster sustainable development. Emerging issues which may require new legislation have been examined by an Environmental Law Review Committee. The Government "promotes the involvement and consultation of major groups including NGOs."

Libraries, Information Services and Databases

IUCN National Committee

Contact: Mr Mohammed Khan Bin Momin Kahn, Chairman
Malaysian Committee for IUCN, Ibu Pajebat Jabatan Perhutanan, Wisma Sumber Alam, Jalan Stadium
Petra Jaya, 93660 Kuching, Sarawak, Malaysia
Tel: (60-3) 94-1466 / 94-1056
Fax:
Telex:
E-mail:

WWF-Malaysia

Contact: Dr Mikaa'il Kavanagh, Executive Director
Locked Bag No 911, Jalan Sultan P.O., 46990 Petaling Jaya, Malaysia
Tel: (60-3) 757-9192
Fax: (60-3) 756-5594
Telex:
E-mail:

Conservation and Environmental Resource Centre
Established: 1991
Contact: A.Zahari; Roslin Sapawi, Library
Books: 2172; Serials: 44

Subjects: Environmental conservation; Natural resource management; Botany; Protected areas; Biodiversity
Geographic area: Southeast Asia; Malaysia

Data: CDS/ISIS Database
Other: Searches on request
Type: Referral; Time period covered: 1927-1994; Items: 2054; Language: En
Contact: Roslin Sapawi; Ahmad Zahari

** MALDIVES

UNEP-Infoterra

Contact: Mr Hussein Shihab, Deputy Minister
Ministry of Planning, Human Resources, & Environment, Ghaazee Building, Male, Maldives
Tel: (960) 32-4861
Fax: (960) 32-7351
Telex:
E-Mail:

NCSD: National Commission for the Protection of the Environment

Contact: Hon. Ismail Shafeeu, Chairman
Ministry of Planning, Human Resources, and Environment, Ghazee Building, 20-05 Malé, Maldives
Tel: (960) 324-861
Fax: (960) 327-351
Telex: 66110 MPDMALE MF

Established: 1984 May 21

** MONGOLIA

UNEP-Infoterra

Contact: Dr Mendbayaryn Badarch
Infoterra National Focal Point, Ministry of the Nature and Environment, Mongolia, Khudaldaany Str. 5,
Ulaanbaatar 46/1144, Mongolia

A Sourcebook for Conservation and Biological Diversity Information

Tel: (976-1) 32-4198
Fax: (976-1) 32-1401
Telex: 79343 MACNE MH
E-mail:

NCSD: International Cooperation Department

Contact: Mr Ts. Adyasuren, Director General
Ministry of Nature and Environment, Khudaldaany Gudamji-5, Ulan Batar 11, Mongolia
Tel: (976-1) 32-9619
Fax: (976-1) 32-1401
Telex:
E-mail:

**** NEPAL**

UNEP-Infoterra

Contact: National Comm. for Man & the Biosphere, National Commission for UNESCO, c/o Ministry Education, Culture and Social Welfare, Kaisher Mahal, G.P.O. Box 1071, Kathmandu, Nepal
Tel: (977-1) 4-18782
Fax: (977-1) 4-12460
Cable: MANBIOS or NEPNATCOM
E-mail:

UNEP-GRID: Global Resource Information Database

Contact: Pramod Pradhan, Coordinator
MENRIS, International Centre for Integrated Mountain Development, 4/80 Jawalakhel, G.P.O Box 3226, Kathmandu, Nepal
Tel: (977-1) 52-5313
Fax: (977-1) 52-4509 / 52-4317
Telex: 2439 ICIMOD NP
E-mail:

GRID - Nepal Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSD: Environment Preservation Council

Contact: Mr Surya Man Shakya, Member Secretary
National Planning Commission, P.O. Box 1284, Singha Durbar, Kathmandu, Nepal
Tel: (977-1) 21-5936
Fax: (977-1) 22-6500
Telex: 2635 NP
E-mail:

IUCN Country Office

Contact: Mr. John McEarchern, Senior Advisor, Office of the IUCN Senior Advisor to the National Planning Commission, P.O. Box 3923, Kathmandu, Nepal

Libraries, Information Services and Databases

Tel: (977-1) 52-2712 / 52-6391 / 52-7781
Fax: (977-1) 52-1506
Telex: 2566 hohil np
E-mail:

Note: This IUCN Office currently serves as an IUCN Depository Library.

IUCN Resource Centre

Established: 1989

Books: 2115; Serials: 45; Photos: 500; A/V: 25

Special collections: Audio cassettes in Nepalese

Subjects: Biological diversity; Wetlands; Environmental impact assessment; Environmental management; Ecology; Ecosystems; Environmental education; Environmental law; Environmental planning; Climate change; Nature conservation; Protected areas; Sustainable development

Geographic area: Nepal

Catalogs: Computer lists

Library publications: List of new documents in Resource Centre

Databases: National Heritage Site. Inventory

Type: Full Text; Started: 1993; Time period covered: 1993-; Items: ca. 1500; Language: En

Contact: Tirtha B. Shrestha; Rishnu Bhandari

Databases: Wetlands Database

Type: Full Text; Graphic; Started: 1994; Time period covered: 1993-; Items: 70; Language: En

Contact: John Mc Eachern; Tirtha B. Shrestha; Bishnu Bhandari

Databases: Biodiversity

Type: Full Text; Started: 1994; Time period covered: 1993-; Items: ca. 100; Language: En

Contact: Tirtha B. Shrestha; John Mc Eachern

Databases: Resource Centre database

Type: Mailing list; Started: 1990; Items: 954; Language: En

Contact: Mr. Dwarika Aryal

WWF Country Representative

Contact: Mr Mingma Norbu Sherpa

P.O. Box 7660, Lal Darbar, Kathmandu, Nepal

Tel: (977-1) 41-0137

Fax: (977-1) 41-0137

Telex:

E-mail:

** PAKISTAN

UNEP-Infoterra

Contact: Dr Mohammad Afzal, Director General

Pakistan Scientific and Technological Information Centre (PASTIC), Quaid-I-Azam University Campus,

P.O. Box 1217, Islamabad, Pakistan

Tel: (92-51) 82-4161 / 81-1375

Fax: (92-51) 81-1381

Telex: 92- (051) 54080 PSF ID PK

E-mail: pnc%pastic@sdnpk.undp.org

NCSD: Round Table on Sustainable Development (NW Frontier Province)

A Sourcebook for Conservation and Biological Diversity Information

Contact: Mr Mohammed Rafiq, Programme Director IUCN-SPCS Unit
c/o Environment Section, Planning, Environment & Development Department, Government of Northwest Frontier Province, Civil Secretariat, Police Road, Peshawar, Pakistan
Tel: (92-521) 27-7189 / 60-1457
Fax: (92-521) 27-2517
Telex:
E-mail:

Mission: The Business Industry Round Table has been upgraded, to the Round Table on Sustainable Development, and includes representatives from business, labour, non-governmental organizations and government. The mission of the Round Table is to develop a provincial conservation strategy in the context of the implementation of the Pakistan National Conservation Strategy.
Established: 1992 June

IUCN Country Office

Contact: Ms Aban Marker Kabraji, Country Representative, IUCN Pakistan Office, 1 Bath Island Road, 75530 Karachi, Pakistan
Tel: (92-21) 586-1540
Fax: (92-21) 587-0287
Telex: 24154 mark pk
E-mail: jrc% iucn% khi@sdnpk.undp.org

Journalists' Resource Centre (JRC)

Established: 1988
Books: 4000; Serials: 30; Maps: 3; Photos: ca 500; A/V: 100
Subjects: Environment
Geographic area: Pakistan; Global
Catalogs: Card catalogue
Databases: IUCN Pakistan
Type: Full Text; Started: 1994; Time period covered: 1988-1994; Items: 4000; Language: En
Online access: Through SDN-Islamabad
Contact: Syed Aftab Ahmed Jafri

IUCN Country Office (Islamabad)

Contact: Mr A. L. Rao, Programme Director, IUCN Islamabad Office, 22 Bazar Road, G-6/4, Islamabad, Pakistan
Contact: Dr Isa Daudpota, Programme Director, Sustainable Development Network (SDN)
Tel: (92-51) 21-6874 / 21-3274
Fax: (92-51) 21-6909
Telex:
E-mail:

The IUCN Islamabad Library

Established: 1991
Books: 500
Subjects: Environment; Development
Geographic area: Pakistan; Global
Databases: Library holdings
Type: Full Text; Started: 1993; Items: 500

IUCN Project Office

Contact: Mr Mohammad Rafiq, Programme Director

Libraries, Information Services and Databases

Sarhad Provincial Conservation Strategy (IUCN-SPCS Unit),
IUCN Project Office, Pesawar, Pakistan
Tel: (92-521) 27-7189
Fax: (92-521) 27-2517
Telex:
E-mail:

IUCN-SPCS Library
Established: 1992
Books: 1500; Serials: 100; Maps: 20
Subjects: Conservation; Natural Resources Management
Geographic area: Northern Pakistan; Pakistan; Global

WWF-Pakistan

Contact: Mr Dawood N. Ghaznavi, Director
Ali Institute of Education, P.O. Box 5180, Model Town, Lahore 54600, Pakistan
Tel: (92-42) 586-2359 / 586-2360
Fax: (92-42) 586-2358
Telex: 082 44866 PKGS PK
E-mail: dawood@wwf-lhr.imran.ar.pk

WWF Karachi Office

c/o Crescent Group of Industries, 9th Floor, Sidco Avenue Centre, 264, A.R. Lines, Karachi, Pakistan
Tel: (92-21) 568-9604 / 568-5231, Ext.244
Fax: (92-21) 568-0476
Telex: 082 28880 CGS PK
E-mail:

** PHILIPPINES

UNEP-Infoterra

Contact: Technology and Livelihood Resource Center, (TLRC), Urban II Building, Sen. Gil J. Puyat Ave.
Ext., Makati 1200, Metro Manila, Philippines
Tel: (63-2) 859-811
Fax: (63-2) 818-7944
Telex: 64002 TLRC PN
E-mail:

NCSD: Philippine Council on Sustainable Development (PCSD)

Contact: Dr. Cielito F. Habito, Chair
c/o National Economic and Development Administration, NEDA sa Pasig Building, Amber Avenue, Pasig,
1600 Metro Manila, Philippines
Tel: (63-2) 631-3716 / -3747 / -0945 / -2185
Fax: (63-2) 633-6011
Telex: NED PH 29058
E-mail:

Mission: To ensure that commitments made at Rio de Janeiro, and the implications of the Earth Summit to the Philippines are implemented, periodically monitored, and coordinated at the global level. The Council prepares the Country Statement and the Philippine positions on the relevant agenda items of the United Nations Commission on Sustainable Development.

Established: 1992 September 1

A Sourcebook for Conservation and Biological Diversity Information

IUCN Project Office

Contact: Mr. Andrew Mittelman, Senior Advisor to NTFP Project
IUCN-Haribon Palawan Office, Rizal Avenue, Puerto Princesa, Palawan 5300, Philippines
Tel: (63-48) 21-2860
Fax: (63-48) 21-2894
Telex:
E-mail:

WWF Country Representative

Contact: Mr. Carlos Fernandez
Richbelt Tower Condominium, 17 Annapolis Street, Suite 501, Green Hills, San Juan, Metro Manila, Philippines
Tel: (63-2) 722-7759
Fax: (63-2) 722-6455
Telex:
E-mail:

IUCN Member Library

Protected Areas and Wildlife Bureau (PAWB)

Contact: Dr. Corazon Catibog-Sinha, Director
P.O. Box 1414, Quezon Avenue, Quezon City, Philippines
Tel: (63-2) 924-6031 / -6032 / -6033 / -6034
Fax: (63-2) 924-0109
Telex: 2000
E-mail:

PAWB Library

Established: 1989

Books: 382; Serials: 380; Special collections: Philippine butterflies

Publications: PAWB statistical reports

Database: Protected Areas and Wildlife Database is planned.

Subjects: Wildlife resources and other administrative data

**** SINGAPORE**

UNEP-Infoterra

Contact: Miss. Fauziah Soeratman, Librarian
Environment Resource Centre, Ministry of Environment, 6th Storey, Environment Building, 40 Scotts Road, Singapore 0922, Singapore
Tel: (65) 731-9955
Fax: (65) 731-9456
Telex:
E-mail:

NCSD: National Council on the Environment

Contact: Ms. Kirtida Mekani, Executive Director
Environment Building, 11th Floor, 40 Scotts Road, Singapore 0922
Tel: (65) 731-9862
Fax: (65) 235-6601
Telex:
E-mail:

Libraries, Information Services and Databases

Mission: To educate, inspire, and assist individuals, business organizations, and environmental groups to care for and protect the environment; to promote greater public awareness and interest in environmental issues; to seek public cooperation in protecting and improving the environment; and to involve business leaders in a pro-active process of environmental management.

Established: 1990 November

** SRI LANKA

UNEP-Infoterra

Contact: Mrs. W.G.S. Wimalasena, Senior Librarian
Central Environmental Authority, Parisara Mawatha, Maligawatte New Town, P.O. Box 2205, Colombo 10, Sri Lanka

Tel: (94-1) 44 94 55 / 44 94 56

Fax: (94-1) 44 67 49

Telex:

E-mail:

NCSD: Ministry of Environment & Parliamentary Affairs

Contact: Dr. Devanesan Nesiah, Secretary
6th Floor, Unity Plaza Building, Bambalapitiya, Colombo 04, Sri Lanka

Tel: (94-1) 50 85 77

Fax: (94-1) 50 25 66

Telex:

E-mail:

Mission: Ministry of Environment and Parliamentary Affairs is the focal point in implementing the recommendations of UNCED and Agenda 21. For the inter-sectoral coordination there is a committee established at the highest level called "National Environmental Steering Committee" chaired by Secretary, Ministry of Policy Planning & Implementation and co-chaired by Secretary, Ministry of Environment & Parliamentary Affairs.

Established: 1990

IUCN Country Office

Contact: Mr. Leslie C.A. de S. Wijesinghe, IUCN Country Representative,
IUCN Office 7 Vajira Lane, Colombo - 5, Sri Lanka

Tel: (94-1) 58 02 02

Fax: (94-1) 58 02 02

Telex: 0803 21537 metalix ce

E-mail:

IUCN National Committee

Contact: Sri Lanka Committee for IUCN
c/o Mr M.S. Ranatunga, Forestry Planning Unit, Ministry of Lands, Irrigation & Mahaweli Development,
7 Vajira Land, Colombo 5, Sri Lanka

Tel: (941) 58-0202

Fax: (941) 58-0721

Telex:

E-mail:

Note: This National Committee is still under formation.

IUCN Member Library

Wanajeevi Sanrakshana Departamanthuwa (WJSD) [Dept. of Wildlife Conservation (DWLD)]

96 Mahaweli Centre, Ananda Kumaraswamy Mw., Colombo 07, Sri Lanka

Tel: (94-1) 68 58 84

A Sourcebook for Conservation and Biological Diversity Information

Fax:
Telex:
E-mail:

WJSD Library

Established: 1988

Contact: N. Jayasuriya, Librarian; A.G. Abeysingha

Books: 2028; Serials: 161; Maps: 10

Special collections: Sri Lanka Collection; Wildlife Conventions; Books on law

Subjects: Wildlife; Ecology; Zoology; Environment; Botany

Geographic area: Sri Lanka

Publications: Newsletters Awareness Educational Materials

Library publications: Vanadivi Quarterly Journals

**** TAIWAN, Republic of China**

NCSD: Council for Economic Planning and Development

Contact: Mr. Vincent C. Siew, Chairman

9th Floor, 87 Nan King East Road, Section 2, Taipei, Taiwan, Republic of China 10408

Tel: (886-2) 552-5300

Fax: (886-2) 551-9011

Telex: 11385 TAIPEI

Mission: The Council is a part of the Executive Yuan (i.e., the Cabinet) which it serves in an advisory capacity. It is primarily responsible for: overall planning for national economic development; evaluating development projects, proposed actions, measures, and programs submitted to the Executive Yuan; coordinator economic policy and activities of related ministries and agencies; and monitoring the implementation of development projects, measures, and programs. The Council works objectively and impartially towards integrating the views of different agencies and achieving a consensus so as to facilitate decision making by the Executive Yuan.

Established: 1977

TRAFFIC-Taipei

Contact: Mr. Marcus Phipps, National Representative

P.O. Box 7-476, Taipei, Taiwan

Tel: (886-2) 362-9787

Fax: (886-2) 362-9799

Telex:

E-mail:

**** THAILAND**

UNEP-Infoterra

Contact: Mr. Suvat Saganwongse, Director General

Department of Environment Quality Promotion, Soi Phibun Watthana 7, Rama VI Road, Bangkok 10400, Thailand

Tel: (66-2) 278-0997

Fax: (66-2) 279-0672

Telex: 20838 MINSTEN TH

E-mail: udomc@nwg.nectec.or.th

UNEP-GRID: Global Resource Information Database

Contact: Surendra Shrestha, Facility manager

GRID - Bangkok, Outreach Building, Asian Institute of Technology, AIT, P.O. Box 2754, Bangkok 10501, Thailand

Libraries, Information Services and Databases

Tel: (66-2) 516-2124
Fax: (66-2) 516-2125
Telex:
E-mail: grid@cs.ait.ac.th / DIALCOM 41:UNE096

GRID - Bangkok Archive
Established: 1985
Special collections: GRID database
Subjects: Environmental assessment; Environmental monitoring
Geographic area: Global

Data: GRID
Other: Searches for internal staff
Publications: List of reports and publications available through GRID

NCSD: National Environment Board (National Committee for Sustainable Development)

Contact: Mr. Chuan Leekpai, Prime Minister
Government House, Nakhon Pathom Road, Bangkok 10300, Thailand
Tel: (66-2) 280-3693 / 281-6563
Fax: (66-2) 280-0858
Telex:
E-mail:

Mission: To oversee overall national implementation on all commitments made at UNCED. The NEB appointed three national subcommittees to work on the details on matters involving the Convention on Climate Change, Convention on Biological Diversity and the "National Committee on Agenda 21." The NEB will consider and give approval to the National Strategy on Sustainable Development to be submitted on Agenda 21.
Established: 1992 June 4

IUCN Project Office

Contact: Mr. Zakir Hussain, Regional Coordinator, c/o Asian Institute of Technology, P.O. Box 2754, Bangkok 10501, Thailand
Tel: (66-2) 524-5393 / 524-5394
Fax: (66-2) 524-5392
Telex: 84276 th
E-mail:

**** VIET NAM**

UNEP-Infoterra

Contact: Dr. Nguyen Hai Yen, Chief, Environmental Information Division,
National Centre for Scientific and Technological Information and Documentation (NACESTID), 24 Ly
Thuong Kiet, Hanoi, Vietnam
Tel: (84-42) 63 108
Fax: (84-42) 63 127
Telex:
E-mail: Bhung@nacestid.ac.vn / kiem.nacestid@vietap.tool.nl

Preferred languages: English, French, Russian

IUCN Project Office

Contact: Dr Jacques Lecup, IUCN Project Coordinator, P O Box 25,
1 Trinh Hoai Duc, Hanoi, Vietnam
Tel: (84-4) 25 87 94 / 43 559

A Sourcebook for Conservation and Biological Diversity Information

Fax: (84-4) 25 87 94
Telex:
E-mail: jlecup@iucn-moste.gov.vn

WWF Country Representative

Contact: Mr. David Hulse
Indochina Programme Office, c/o UNDP Hanoi, G.P.O. Box 618, Bangkok 10501, Thailand
or
WWF Vietnam Country Representative, Bộ Lâm Nghiệp (c/o Ministry of Forestry), Số' 123 Phố' Lò Dúc
(123 Lo Duc Street), Hanoi, Vietnam
Tel: (84-42) 66 368
Fax: (84-42) 11 27
Telex:
E-mail:

Libraries, Information Services and Databases

** 2.7 EUROPE: Eastern

UNEP-Infoterra

Regional Service Centre in Russia, and a special office for Central and East Europe, listed below.

Infoterra Regional Service Center for Central and East Europe

Contact: Mr. Douglas Kahn, Project Manager

Central European Environmental Data Request Facility (CEDAR), Marxergasse 3/20, A-1030 Vienna, Austria

Tel: (43-1) 715-5879

Fax: (41-3) 715-2879

Telex:

E-mail: kahn@pan.cedar.univie.ac.at

Bitnet/EARN: Y3111DAA@AWIUNI11.BITNET

Internet: Y3111DAA@AWIUNI11.EDVZ.UniVie.AC.AT

Mission: The Central European Environmental Data Request Facility seeks to foster the development of environmental knowledge and cooperation through the delivery of relevant environmental information to Central and Eastern European researchers and NGOs.

Established: 1989

UNEP-GRID

Regional Archive in Poland.

IUCN East European Office

Contact: Mrs. Elizabeth Hopkins, IUCN Headquarters, 28, rue de Mauverney, 1296 Gland, Switzerland

Tel: (41-22) 999 00 01

Fax: (41-22) 999 00 02

Telex:

E-mail: mail@hq.iucn.ch / ejh@hq.iucn.ch

** ALBANIA

UNEP-Infoterra

Contact: Mr. Serzh Qestari, Director

Infoterra NFP, Centre for Scientific & Technical Information & Documentation, Committee of Science and Technology Tirane, Albania

Tel: (355-42) 22-491

Fax: (355-42) 27-975

Telex:

E-mail:

NCSD: Committee for Environmental Preservation and Protection

Contact: Dr. Lirim Selfo, Chairman

Ministry of Health and Environmental Protection, Tirana, Albania

Tel: (355-42) 27-907

Fax: (355-42) 27-907

Telex:

E-mail:

Established: 1992

** ARMENIA

A Sourcebook for Conservation and Biological Diversity Information

UNEP-Infoterra

Contact: Mr. Marat Bagratovich Edilyan, Director
Infoterra NFP, The Armenian Institute of Scientific & Technical Information (ARMNIINTI), Komitasa Str.
49/3, Erevan, Armenia 375048
Tel: (7-52) 236-774
Fax:
Telex: 243377 AKVA SU
E-mail: arminti@adonis.iasnet.com
Preferred language: Russian

NCSD: Ministry of Nature and Environmental Protection

Contact: Mr. B. Kazarin
ul. Moscoviana 35, 375002 Yerevan, Armenia
Tel: (7-8852) 530-741 / 533-629
Fax: (7-8852) 534-902
Telex:
E-mail:

**** AZERBAIJAN**

UNEP-Infoterra

Contact: Prof. D. Mekhtiev, Director General
Infoterra NFP, Information Union AZNTI, 370005 GSP 601, Natavan Line 2/6, Rio "AZNTI", Baku,
Azerbaijan
Tel: (7-8922) 933-341
Fax:
Telex:
E-mail:
Preferred languages: Russian; English

**** BELARUS**

UNEP-Infoterra

Contact: Mr. A. Aleshka, Director, Infoterra NFP
Byelorussian Research Centre (Ecology), 31A Horuzhaya St., 220002 Minsk, Belarus
Tel: (7-0172) 347-065
Fax: (7-0172) 348-072
Telex: 252268 PRIOR SU
E-mail:
Preferred language: Russian

NCSD: State Committee of Ecology

Contact: Mr. Alexander Ogryzov, Deputy Chairman
Minsk, Belarus
Tel: (7-0172) 207-620
Fax: (7-0172) 205-583
Telex:
E-mail:

**** BULGARIA**

UNEP-Infoterra

Contact: Mrs. Donna Schalitcheva, Co-ordinator
Infoterra NFP, Nat'l Centre for Environment and Sustainable Development, Department of Training and
Information, Ministry of Environment, 7 Industrialna Str., 1202 Sofia, Bulgaria

Libraries, Information Services and Databases

Tel: (359-2) 394-725 / 392-027

Fax: (359-2) 392-196 / 392-027

Telex: 23894 or 24566

E-mail:

Preferred languages: Russian; English

NCSD: Ministry of the Environment

Contact: Mr. Branimir Natov, Deputy Minister of Environment

67 ul. William Gladstone, 1000 Sofia, Bulgaria

Tel: (359-2) 810-085

Fax: (359-2) 521-634

Telex:

E-mail:

**** CZECH REPUBLIC**

UNEP-Infoterra

Contact: Mrs. Milena Roudná

Infoterra NFP, International Relations Department, Ministry of the Environment of the Czech Republic,
Vršovická 65, 100 10 Prague 10, Czech Republic

Tel: (42-2) 6712-2769

Fax: (42-2) 6731-1611

Telex: 122298

E-mail:

NCSD: Commission for International Relations

Contact: Mr. Vladislav Bizek, Deputy Minister and Director

Section of Environmental Policy, Ministry of Environment, Vršovická 65, 10010 Prague 10, Czech Republic

Tel: (42-2) 6712-2564

Fax: (42-2) 6731-1611 / 6731-0308

Telex: 122298

E-mail:

Mission: A national commission on sustainable development (NCSD) has not been created yet. In the interim is has been determined for the purpose of rationalization that the Commission for International Cooperation will cover the role of the NSDC in the Czech Republic. The Commission is expected to support: inter-ministerial coordination of activities; preparation of national action plans (environmental action plan, sustainable development action strategy); preparation and implementation of important environmental projects supported within the programmes of foreign assistance; and preparation of national environmental performance reviews.

Established: 1993 October

IUCN Project Coordination Unit

Contact: Dr Jan Plesnik, Head of Project Coordination Unit,
c/o CUOP, Kalisnicka 4-6, 13000 Praha 3-Zizkov, Czech Republic

Tel: (42-2) 215 2609

Fax: (42-2) 25 45 55

Telex:

E-mail:

**** ESTONIA**

UNEP-Infoterra

Contact: Mr. Leo Saare, Director

A Sourcebook for Conservation and Biological Diversity Information

Infoterra NFP, Environmental Information Centre, Estonian Ministry of the Environment, Mustamae tee
33, EE 0006 Tallinn, Estonia

Tel: (372) 639 4151

Fax: (372) 639 4071

Telex:

E-mail: eeic@sun.nlib.ee

NCSD: Ministerial Commission for Sustainable Development

Contact: Dr. Andres Tarand, Minister of Environment

Ministry of Environment, 24 Toompuiestee, EE 0100 Tallinn, Estonia

Tel: (372-2) 452-507

Fax: (372-2) 453-310

Telex:

E-mail:

Established: 1993 September 21

NCSD: Non-Governmental Commission for Sustainable Development

Contact: Mr. Jaan-Mati Punning, Chairman

24 Toompuiestee, EE 0100 Tallinn, Estonia

Tel: (372-2) 452-744

Fax: (372-2) 453-310

Telex:

E-mail:

Established: 1991 December 6

**** GEORGIA**

UNEP-Infoterra

Contact: Mr. Grigori Abramia, Head of International Relations Department

Infoterra NFP, Ministry of Environmental Protection, Kostava St. 68a, Tbilisi 380015, Georgia

Tel:

Fax: (7-8832) 983-425 or c/o UN Georgian Office 49 5151 13086 Ext 182

Telex:

E-mail: irisi@gmep.kheta.ge

Preferred language: Russian

More operative to use U.N. Georgian Office Fax: 49 5151 13086 Ext. 182

NCSD: Working Group on Sustainable Development

Commission on Environment Protection and Natural Resources, Parliament of Georgia, Tbilisi, Georgia

Tel: (7-8832) 230-664

Fax:

Telex:

E-mail:

Mission: The Working Group on Sustainable Development is authorized by the Government to prepare a reply and propose suggestions on a sustainable development concept for Georgia.

**** HUNGARY**

UNEP-Infoterra

Contact: Dr. Endrédy István

Infoterra NFP, Környezetgazdálkodási Intézet (KGI), V. Alkotmány U.29, P.O. Box 1369, Budapest 5,
Pf.352, Hungary

Tel: (36-1) 111-8278 / 132-9940 / 132-2331

Libraries, Information Services and Databases

Fax: (36-1) 111-5826 / 112-9872
Telex: 226596 H
E-mail:
Preferred language: Russian; English
Technical Officer is Ms. Julianna Tokar.

NCSD: Hungarian Commission on Sustainable Development (H-CSD)

Contact: Dr. Tibor Faragó, Secretary of the Commission
FŐ UTCA 44-50, H-1011 Budapest, Hungary
Tel: (36-1) 201-4091 / 201-4133
Fax: (36-1) 201-4091 / 201-2361
Telex:
E-mail:

Mission: The Hungarian Commission on Sustainable Development (H-CSD), under the chairmanship of the Minister for Environment and Regional Policy, is a permanent interdepartmental commission responsible for coordination of implementation of the UNCED tasks, or for the coordination of tasks of sustainable development. The basic objective is to evaluate all significant sector-specific development plans from an environmental point of view and to harmonize the sometimes contradicting criteria of such projections with the priorities of nature conservation and environmental protection. The highest priority should be given to avoid the further environmental load, unreasonable and inefficient resource use, "production" and emission of pollution and waste.

Established: 1993 May

IUCN Hungarian Foundation

Contact: Dr. Ferenc Németh, Head, IUCN Unit,
P.O. Box 433, H-1371 Budapest, Hungary
Tel: (36-1) 201-8964
Fax: (36-1) 202-0452
Telex:
E-mail:

WWF Programme Office

Contact: Mr. László Haraszthy
Németvölgyi út 78/b, H-1124 Budapest, Hungary
Tel: (36-1) 175-4790
Fax: (36-1) 175-4790
Telex:
E-mail:

IUCN Member Library

Foundation for Cultural Innovation

Contact: Ildikó Mács
Miklós tér 1, H-1035 Budapest, Hungary
Tel: (36-1) 250-0420
Fax: (36-1) 168-8002
Telex:
E-mail:

Silk Mill Library

Established: 1989

Books: 6511; Serials: 100; Maps: 77; A/V: 921

Subjects: Environmental conservation; Environmental management; Ecology; Information systems;

A Sourcebook for Conservation and Biological Diversity Information

Telecommunications; Philosophy; Environmental education
Geographic area: Global
Data: Library catalogue
Other: Computer searches on request

IUCN Member Library

Gödöllo University of Agricultural Sciences (GATE)

Contact: Dr. Tibor Koltay; Dr. Kálmánné Pannonhalmi
2103 Gödöllo, Páter Károly u. 1, Pf.: 303, Gödöllo, Hungary
Tel: (36-06) 283-10173
Fax: (36-06) 283-10804
Telex: 22 48 92 gateh
E-mail: Tibor@kpkko.gau.hu

Central Library of the Gödöllo University of Agricultural Sciences

Established: 1945

Books: 348000; Serials: 68000

Special collections: Rare book collection, ca. 500; Special collection: History of the University

Subjects: Agriculture; Agronomy; Agricultural engineering; Agricultural economics; Social sciences

Geographic area: Global

Catalogs: Alphabetic, subject, geographical, serial

Data: OPAC

Other: Computerised searches

Library publications: Information Bulletin of the Central Library; Bibliographies; Information booklets of the central library

IUCN Member Library

Göncöl Alapítvány [Göncöl Foundation]

Contact: Vilmos Kiszél
Ilona utca 3, Göncöl House, P.O. Box 184, 2600 VAC, Hungary
Tel: (36-27) 314-983
Fax: (36-27) 311-179
Telex:
E-mail: postmaster@goncol.zpok.hu

Goncol collection

Established: 1975

Books: ca. 4000; Maps: ca. 220; A/V: ca. 20

Special collections: Rocks, minerals and fossiles catalogued and partly exhibited

Subjects: Nature sciences

Geographic area: Hungary

Data: Green Spider

Publications: Available

IUCN Member Library

IUCN Magyarországi Alapítvány (IUCN-MA) [IUCN Hungarian Foundation (IUCN-HF)]

Contact: Raka Konkzey, Unit Assistant
P.O. Box 433, 1027 Budapest, 1371 Hungary
Tel: (36-1) 201-8964
Fax: (36-1) 202-0452
Telex:
E-mail:

Libraries, Information Services and Databases

Library

Books: 60; Serials: 3; Maps: 1; A/V: 2
Subjects: Nature conservation; Environmental management
Geographic area: Hungary
Cooperation: Independant Ecological Centre Environmental Library

IUCN Member Library

KTM Természetvédelmi Hivatal (KTM TvH) [Ministry for Environment and Regional Policy, National Authority for Nature Conservation]

Contact: József Büki
Költő n. 21, H-1121 Budapest, Hungary
Tel:
Fax: (36-1) 175-6458
Telex:
E-mail:

Madártani Intézet Könyvtára
Established: 1893
Books: 5000; Serials: 400
Subjects: Ornithology; Nature conservation
Geographic area: Hungary
Publications: AQUILA

** KAZAKHSTAN

UNEP-Infoterra

Contact: Mr. Beket Arapbayevich Kembayev
The Kazakh State Research Institute of Scientific & Technical Information (KAZGOSINTI), 221 Bogenbai
Batyr Str., Almaty 480096, Kazakhstan
Tel: (7-3272) 421-204 / 422-381
Fax: (7-3272) 428-059
Telex:
E-mail: root@nti.alma-ata.su
Preferred language: Russian

** KYRGYZSTAN

UNEP-Infoterra

Contact: Mr. Kazybai Sydykov.
National Information Centre of Kyrgyzstan, Frunze Str. 421, Bishkek, Kyrgyzstan 720011
Tel: (3-312) 299-658 / 299-626
Fax: (3-312) 299-622
Telex:
E-mail:
Preferred language: Russian

** LATVIA

UNEP-Infoterra

Contact: Dr. Guntis Pukitis, Director
Infoterra NFP, Latvian Environment Data Centre, 2 Straumes St., Jurmala, LV-2015, Latvia
Tel: (371-2) 762-282 / 764-439
Fax: (371-2) 228-159 / 764-439
Telex: 161175 PARKS SU
E-mail: vdc@vide.org.lv

A Sourcebook for Conservation and Biological Diversity Information

Ms. Ilze Kirstuka is the Technical Officer.

NCSD: Ministry of the Environment and Regional Development

Contact: Mr. Girts Lukins, Minister
Peida Iela 25, LV-1494 Riga, Latvia
Tel: (371-2) 223-612
Fax: (371-2) 228-159
Telex:
E-mail:

WWF Programme Office

Contact: Mr. Uģis Rotbergs
Kristapa Street 30, LV-1046 Riga, Latvia
Tel: (371-2) 619-015
Fax/phone: (371-9) 348-962
Telex:
E-mail:

**** LITHUANIA**

UNEP-Infoterra

Contact: Mr. Arturas Daubaras, Director General
Infoterra NFP, Joint Research Centre, EPM, A. Juozapaviciaus 9, 2600 Vilnius, Lithuania
Tel: (370-2) 35-3202
Fax: (370-2) 35-8020
Telex:
E-mail: aplinkos.depart@aad.lt

NCSD: Department of Environmental Protection

Contact: Mr. Arunas Kundrotas, Head of Economics Division
Ministry of International Relations, Juozapaviciaus 9, 2600 Vilnius, Lithuania
Tel: (370-2) 352-766
Fax: (370-2) 358-020
Telex: 261191 GAMUT SU
E-mail: aplinkos.depart@aad.lt

Mission: Lithuania has not created sustainable development commission or council. The government of Lithuania considers the activity of such a commission useful; however, establishment of the commission or council will be discussed after the reorganization of its Environmental Protection Department to the ministry.

**** MOLDOVA, Republic of**

UNEP-Infoterra

Contact: Dr. Petru Cocirta
Infoterra NFP, National Institute of Ecology, Ecological Monitoring Centre, Bd. Dacia nr 58, 277060 Chisinau, Moldova
Tel: (373-2) 561-964 / 570-488
Fax: (373-2) 579-663
Telex: 163459 "VOZDUH"
E-mail:
Preferred language: Russian

NCSD: State Department for Environment Protection

Contact: Mrs. M. Petrusevsca, Advisor to the Minister

Libraries, Information Services and Databases

73 Stefan oel Mare Ave, 277001 Chisinau, Moldova

Tel: (373-2) 265-139

Fax: (373-2) 233-806

Telex:

E-mail:

** POLAND

UNEP-Infoterra

Contact: Dr. Janusz Radziejowski, Deputy Director

Infoterra NFP, Institute of Environmental Protection, Krucza St. 5/11, 00-548 Warsaw, Poland

Tel: (48-22) 628-1569 / 213-670

Fax: (48-22) 295-263

Telex: 816419 IOS PL / 817590 IOS PL

E-mail: infote@plearn.edu.pl

Preferred language: Russian; English

Technical Officer is Ms. Bronislawa Gronkowska.

UNEP-GRID: Global Resource Information Database

GRID - Warsaw, ul. Jasna 2/4, 00-950 Warsaw, Poland

Tel: (48-22) 277-613

Fax: (48-22) 270-328

Telex:

E-mail: gridw@plearn.bitnet

GRID - Warsaw Archive

Established: 1985

Contact: Marek Baranowski, Facility manager

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSD: National Sustainable Development Commission

c/o Ministry of Environmental Protection, Natural Resources, and Forestry, 52/54 Wawelska Str. 00-922
Warsaw, Poland

Tel: (48-22) 25-1133

Fax: (48-22) 253-972

Telex:

E-mail:

Established: 1994 May

IUCN Foundation Poland

Contact: Dr. Zenon Tederko, Head

Fundacja IUCN Poland, ul Narbutta 40/21, 02-541 Warsaw, Poland

Tel: (48-22) 25 50 82

Fax: (48-22) 25 47 05

Telex:

E-mail:

IUCN Member Library

A Sourcebook for Conservation and Biological Diversity Information

Zaklad Badania Ssakow, Polska Akademia Nauk (ZBS PAN) [Mammal Research Institute, Polish Academy of Sciences (MRI PAS)]

Contact: Mrs. Nina Lickiewicz; Mrs. Malgorzata Ryschilik, M.Sc.

ZBS PAN, 17-230 Bialowieza, Poland

Tel: (48-22) 835-12278

Fax: (48-22) 835-12289

Telex:

E-mail: mri.pas@plearn (incomplete)

Mammal Research Institute Library

Established: 1952

Books: 5669; Serials: 864; Maps: 122; Microform: 359; Photos: 128; Reprints: 9404

Subjects: Mammals; Ecology; Behavior; Bio-energetics; Paleontology; Mammalian development, reproduction & morphology; Evolution of mammals

Geographic area: Global

Catalogs: Author index; Subject catalogue

Data: Database of reprints

Cooperation: Scientific libraries

Publications: Acta Theriologica

**** ROMANIA**

UNEP-Infoterra

Contact: Sanda Odiatui, Director

Environmental Information and Documentation Office, B-dul Libertatii nr. 14, Sector 5, Bucharest, Romania

Tel: (40-1) 781-7877

Fax: (40-1) 311-3308

Telex:

E-mail:

Preferred language: French

NCSD: National Commission for Sustainable Development

Contact: Dr. Ing. A. Idie, Minister

c/o Ministry of Environment, 12 Bd. Librtari, Tronson 5, Bucharest, Romania

Tel: (40-1) 631-6105

Fax: (40-1) 312-0403

Telex:

E-mail:

Established: 1992

**** RUSSIAN FEDERATION**

UNEP-Infoterra

Contact: Dr. RyBalsky, Director

Infoterra NFP, VINITI, Russian Ecological Federal Information Agency (REFIA), Ministry of Environment and Natual Resources of Russian Federation, B. Gruzinskaya Str., 123812 Moscow, Russian Federation

Tel: (7-095) 284-82-35

Fax: (7-095) 284-85-50

Telex:

E-mail: itc@REFIA.msk.ru

Preferred language: Russian

Also serves as Infoterra Regional Service Centre.

Libraries, Information Services and Databases

CEDIP Library

Established: 1987

Books: 3500; Serials: 50; Maps: 1500; Microform: 35000; Photos: 200; A/V: 40

Subjects: Protected areas; Social aspects; Biological diversity; Management; Environmental education; Environmental law; Environmental planning; Natural resources; Fauna; Flora; Agriculture

Geographic area: Italy; Europe; United States; Central America; South America; Asia; Africa; Oceania

Catalogs: Card catalogue

Publications: Bulletin of Information

Library publications: Bibliographic Bulletin; Bibliographies; Bibliographic-copybooks

IUCN Member Library

Consiglio Nazionale delle Ricerche (CNR) [National Research Council]

P.le Aldo Moro, I-00185 Roma, Italy

Tel: (39-6) 4993-3221

Fax: (39-6) 4993-3834

Telex: 610072 CNR.RMI / 610076 CNR.RMI

E-mail:

Biblioteca Depositaria Comunità Europea

Established: 1927

Books: 620000; Serials: 10000; Maps: 1200

Special collections: Depositary of official EEC publications

Subjects: Science and Technology; Human sciences; Social sciences

Geographic area: European communities; United States

Data: Monographs; Periodicals; Grey literature; AIDS

Other: Computer searches on request

Cooperation: Wide range of Italian and European Library links

IUCN Member Library

International League for the Protection of Cetaceans (ILPC)

Contact: L.A. Busby, Executive Secretary of ILPC

Podere il falco, I-06062 Città della Pieve (PG), Italy

Tel: (39-578) 298-186 / 299-187

Fax: (39-578) 299-186

Telex:

E-mail:

ILPC Archives

Established: 1981

Books: ca. 2000; Serials: 50; Maps: ca. 200; A/V: 50

Special collections: History of regulation of whaling.

Subjects: Marine mammals conservation; Cetaceans conservation; Whales conservation

Geographic area: Global

Cooperation: Greepeace; INCC; JFAW

Publications: ILPC occasional papers

** LIECHTENSTEIN

UNEP-Infoterra

Contact: Dr. Felix Näscher

Forestry Department

St. Florinsgasse 3

FL-9490 Vaduz, Liechtenstein

A Sourcebook for Conservation and Biological Diversity Information

Tel: (41 75) 236 6400
Fax: (41 75) 236 6411

** LUXEMBOURG

UNEP-Infoterra

Contact: Mr. Charles Zimmer, Conseiller de direction, Première classe
PFN d'Infoterra, Ministère de l'Aménagement du Territoire et de l'Environnement, 18 Montée de la
Petrusse, L-2918 Luxembourg
Tel: (352) 478-6824 / -6826 / -6812
Fax: (352) 400-410
Telex: 2536 MIN ENV
E-mail:
Preferred language: French

** MALTA

UNEP-Infoterra

Contact: Mr. J. Grech, Head of Administration
Infoterra NFP, Environment Protection Department, Floriana, Malta G.C.
Tel: (356) 231-895 / 232-022 / 230-617
Fax: (356) 241-378
Telex: 1114 ISE MT
E-mail:

IUCN Member Library

Foundation for International Studies (FIS)

Contact: Damian Iwueke, Chief Librarian
St. Paul Street, Valletta, Malta
Tel: (356) 234-121 / 224-067
Fax: (356) 230-551
Telex: 1673 FOUND MW
E-mail:

Library and International Documentation Centre

Established: 1986

Books: 12000; Serials: 2000; Maps: 10; A/V: 15

Special collections: FIS Archives: Law reports, Grey documents

Subjects: Environmental studies; Marine pollution; Climate change; European studies; Future studies

Geographic area: Europe; Africa; Middle East; Mediterranean Region

Catalogs: Manual catalog, list of holdings

Data: LDBASE II, PC Globe

Other: Reference and Referral

Cooperation: Marine and environmental libraries in the Mediterranean and Europe

Library publications: Report of the Training Workshop on Aspects of Marine Documentation in the Mediterranean (1993) in cooperation with UNEP, Athens.

** MONACO

UNEP-Infoterra

Contact: Mr. Patrick van Klaveren, Chef de Service de l'Environnement
PFN d'Infoterra, Département de Travaux Publics et des Affaires Sociales, 3 Avenue de Fontvieille, MC
98030 Monaco
Tel: (33-93) 158-149 / 158-963
Fax: (33-92) 052-891

Libraries, Information Services and Databases

Telex:
E-mail:
Preferred language: French

** NETHERLANDS

UNEP-Infoterra

Contact: Netherlands Government Information Telephone,
P.O. Box 51, 2501 CB The Hague, The Netherlands

Tel: (31-6) 8501
Fax: (31-70) 311-51-77
Telex:

E-mail:

NOTE: The Netherlands National Focal Point has been closed until further notice.

NSCD: Platform Duurzame Ontwikkeling (Platform for Sustainable Development)

Contact: Mr. Kees Waagmeester, Managing Director
P.O. Box 19245, 3501 DE Utrecht, The Netherlands

Tel: (31-30) 367-997 / 367-995
Fax: (31-30) 367-998
Telex:
E-mail: ecooperation@gn.apc.org

Mission: The Platform for Sustainable Development acts as a forum for discussion (without the need for consensus) between a wide variety of Dutch independent organizations, in order to ensure and promote the implementation of sustainable development. In this, the uncountable measures, ideas and propositions described in Agenda 21 constitute an important source of inspiration. Every year, the Platform will evaluate the progress made by the Netherlands in the implementation of Agenda 21, thereby also pointing out which steps still have to be taken. The Platform intends to play an important role in stimulating both the public and political debate in the Netherlands, as well as the generation of new ideas in matters concerning sustainable development. It seeks to influence the agenda of both policy makers and independent sectors with regard to environmental issues, and to provide information on sustainable development in general and the follow-up to Agenda 21 in particular.

Established: 1993 February 18

IUCN National Committee

Contact: Dr. Wim Bergmans
Netherlands Committee for IUCN, Plantage Middenlaan 2B, NL-1018 DD Amsterdam, The Netherlands
Tel: (31-20) 626-1732
Fax: (31-20) 627-9349
Telex:
E-mail:

TRAFFIC-Netherlands

Contact: Arnold Van Kreveld, National Representative
Postbus 7, NL-3700 AA Zeist, The Netherlands
Tel: (31-3404) 37-333
Fax: (31-3404) 12-064
Telex: 76122 WNF NL
E-mail:

WWF-Netherlands

Contact: Dr. Siegfried Woldhek, Executive Director
Postbus 7, 3700 AA Zeist, The Netherlands

A Sourcebook for Conservation and Biological Diversity Information

Tel: (31-3404) 37-333
Fax: (31-3404) 12-064
Telex:
E-mail:

** NORWAY

UNEP-Infoterra

Contact: Mr. Oivind Saether
Information Section, Ministry of Environment, P.O. Box 8013 Dep., 0030 Oslo, Norway
Tel: (47-2) 234-9090
Fax: (47-2) 234-2758
Telex: 21480 env n
E-mail: oyvind.sather@mdpost.md.dep.telemax.no

UNEP-GRID: Global Resource Information Database

Contact: Svein Tveitdal; Director
GRID - Arendel, TK-Senteret, Longum Park, P.O. Box 1602, Myrene, Norway
Tel: (47-37) 03-5650
Fax: (47-37) 03-5050
Telex:
E-mail: grid@grida.no; DIALCOM 41:UNE061

GRID - Arendel Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSD: Committee for Sustainable Development

Contact: Gro Harlem Brundtland, Prime Minister
P.O. Box 8001 Dep., Oslo, Norway
Tel: (47-22) 349-090
Fax: (47-22) 349-500
Telex:
E-mail:

NCSD: ForUM - Forum for Utvikling og Miljø [Norwegian Forum for Environment and Development]

Contact: Mr. Vergard Bye,
P.O. Box 3824 Ullevål Hageby, 0805 Oslo, Norway
Tel: (47-22) 951-022
Fax: (47-22) 951-088
Telex:
E-mail:

WWF-Norway

Contact: Mrs. Vera Selnes, Secretary-General
Postboks 6784, St Olavs Plass, 0130 Oslo, Norway
Tel: (47-22) 203-777

Libraries, Information Services and Databases

Fax: (47-22) 200-666
Telex:
E-mail:

IUCN Member Library Ministry of Environment

Contact: Anne-Lise Haugeto
Myntgaten 2, P.O. Box 8013 Dep., 0030 Oslo, Norway
Tel: (47-22) 345-853
Fax: (47-22) 342-756
Telex:
E-mail:

Ministry of Environment Library

Established: 1972

Books: 20000; Serials: 130; Microform: 2; A/V: 200

Special collections: Speeches of the Minister and the State Secretary

Subjects: Nature conservation; Environmental law; Environmental management; Physical planning; Appropriate technology

Geographic area: Norway; Sweden

Cooperation: The State Pollution Authority; The Directorate of Nature Conservation

Library publications: List of new publications (twice a year)

**** PORTUGAL**

UNEP-Infoterra

Contact: Sr. António Lopes Madureira, Secretaria-Geral
Infoterra NFP, Ministério do Ambiente e Recursos Naturais, Rua de O Século 51, 1200 Lisboa, Portugal
Tel: (351-1) 346-2751 / 576-774
Fax: (351-1) 347-2036
Telex:
E-mail:

NCSD: Commission on Matters Related to Agenda 21 (Sustainable Development) S.A.M.

Contact: Mr. Luis Larvaeo
Largo do Rilvas, 1300 Lisboa, Portugal
Tel: (351-1) 396-5041
Fax: (351-1) 397-7210
Telex:
E-mail:

IUCN Member Library

Instituto da Conservação da Natureza (ICN) [Institute for the Conservation of Nature]

Contact: Dr. Paula Ferreira
Rua Ferreiralapa, 29 - 1º, 1100 Lisboa, Portugal
Tel: (351-1) 352-3317
Fax: (351-1) 352-3103
Telex:
E-mail:

ICN - Centro de Documentação Técnica

Established: 1976

Books: 10000; Serials: 500; Maps: 1200; Photos: 2500; A/V: 50

A Sourcebook for Conservation and Biological Diversity Information

Subjects: Environmental conservation; Protected areas; World heritage; Environmental education

Geographic area: Portugal; Global

Data: Books and Periodicals database

Other: Searches on request

Library publications: Bibliographic bulletin

**** SPAIN**

UNEP-Infoterra

Contact: Ms. Carmen Casal Fornos

Servicio de Documentación y Publicaciones, Dirección General de Política Ambiental, Ministerio de Obras Públicas, Transportes y Medio Ambiente (MOPT), Paseo de la Castellana 67, 28071 Madrid, Spain

Tel: (34-1) 597-7455

Fax: (34-1) 597-8511

Telex: MOPT 22325

E-mail:

Preferred language: Spanish.

NCSD: Consejo Aseso de Medio Ambiente [Environmental Advisory Council]

Contact: Maria Antonia Barcina

Ministry of Public Works, Transportation, and the Environment (MOPT), Paseo de la Castellana 67, 28071 Madrid, Spain

Tel: (34-1) 597-6708 / -6096

Fax: (34-1) 553-6577

Telex:

E-mail:

Mission: The Council focuses primarily on government plans and their potential environmental effect. The Council meets every three months and will publish an annual account of its activities.

IUCN National Committee

Contact: Sr. Jaun Garay, Secretario

Comité Español para la UICN, Gran Vía de San Francisco 35, 28005 Madrid, Spain

Tel: (34) 1 347 60 13

Fax: (34) 1 347 62 58

Telex:

E-mail:

WWF-Spain

Contact: Mrs. Cristina García-Orcoyen Tormo

ADENA, Santa Engracia 6, 28010 Madrid, Spain

Tel: (34-1) 308-2309 / -2310

Fax: (34-1) 308-3293

Telex:

E-mail:

IUCN Member Library

Agencia Española de Cooperación Internacional (AECI) [Spanish Agency for International Cooperation]

Contact: Carmen Diez Hoyo, Head Librarian

Avda. Reyes Católicos 4, 28040 Madrid, Spain

Tel: (34-1) 583-8524

Fax: (34-1) 583-8310

Libraries, Information Services and Databases

Telex:
E-mail:

Biblioteca Hispánica

Established: 1941

Books: 500000; Serials: 9000; Maps: 200; Microform: 19520

Special collections: Old and rare books section (4500 vol.)

Subjects: Social sciences; Development; International cooperation

Geographic area: Latin America

Catalogs: Computer catalogue

Data: CD-ROM: Bibliografía Iberoamericana en Bibliotecas Españolas

Cooperation: REDIAL (Red Europea de Documentación e Información sobre America Latina);

REBIUN (Red Bibliotecas Universitarias españolas); ABINIA (Asoc. Bibliotecas Nac. Iberoamericanas)

Publications: Editorial Cultura Hispánica; Publicaciones AECI

Library publications: Boletín de Últimas Adquisiciones

IUCN Member Library

Instituto Nacional para la Conservación de la Naturaleza (ICONA) [National Institute for the Conservation of Nature]

Contact: Ramón Hernandez

Gran Vía de San Francisco no 4, 28005 Madrid, Spain

Tel: (34-1) 347-6102

Fax: (34-1) 347-6259

Telex:

E-mail:

Seccion de Archivos y Biblioteca

Established: 1971

Books: 17000; Serials: 143

Subjects: Environment; Ecology; Zoology; Botany; Protected areas; Forestry

Geographic area: Spain

Databases: Hispanat

Type: Full Text; GIS; Started: 1994; Items: 500; Language: Es

Online access: Modem

Contact: Tomas de Azcarate y Bang

Databases: Banco de Especies de Flora y Fauna

Type: Full Text; GIS; Started: 1994; Items: 225; Language: Es

Online access: Modem

Contact: Tomas de Azcarate y Bang

** SWEDEN

UNEP-Infoterra

Contact: Dr. Arne Sjöqvist

Infoterra NFP, Swedish Environmental Protection Agency, S-106 48 Stockholm, Sweden

Tel: (46-8) 698 1000 (switchboard); (46-8) 698 1273 (direct line)

Fax: (46-8) 698 1400

Telex: 11131 ENVIRON S

E-mail: ars@environ.se; arne.sjoqvist@environ.se

NCSO: Environmental Advisory Council

A Sourcebook for Conservation and Biological Diversity Information

Contact: Ms. Gunnel Hedman, Head of Council
Ministry of the Environment and Natural Resources, S-103 33 Stockholm, Sweden
Tel: (46-8) 763-1000
Fax: (46-8) 204-331
Telex:
E-mail:

Mission: To advise the Government on environmental issues and to propose new working methods. The Council contributes to facilitate the linking of research, ideas and political decisions. The Council's work is outwardly oriented and contributes to stimulating environmental discussion. The Council's current task is devoted to the environmental efforts within strategic areas such as the economy and trade, transport, education and research. International environmental endeavors are a central feature of the Council's work, for example, the follow-up to the United Nations Conference on Environment and Development. The Council's special project on "Ecocycles" aims at developing societal solutions especially within the urban, transport and product areas. The Environmental Advisory Council arranges seminars and conferences, publishes reports in the governmental series Statens Offentliga Utredningar (SOU) and in the Council's own report series.
Established: 1968

WWF-Sweden

Contact: Mr. Jens Wahlstedt, Secretary-General
Ulriksdals Slott, S-17071 Solna, Sweden
Tel: (46-8) 624-7400
Fax: (46-8) 851-329
Telex:
E-mail:

IUCN Member Library

The Swedish Environmental Protection Agency (SNV)

Contact: Gunnar Sedvallson
P.O. Box SNV, S-17185 Solna, Sweden
Tel: (46-8) 799-1000
Fax: (46-8) 292-382
Telex: 11131 ENVIRON S
E-mail:

SNV - Library

Subjects: Environmental monitoring; Pollution; Agricultural development
Geographic area: Sweden
Databases: KRUT
Type: Full text; Graphic; Started: 1989; Time period covered: 1970-present
Language: Sv

IUCN Member Library

Swedish Threatened Species Unit (SLU)

Contact: Ingemar Ahlén
P.O. Box 7002, S-75007 Uppsala, Sweden
Tel: (46-18) 671-000
Fax: (46-18) 673-537
Telex:
E-mail:

SLU - Library

Libraries, Information Services and Databases

Subjects: Threatened species; Red Lists; Endangered Species

Geographic area: Sweden

Type: Factual; Items: 50000; Language: En Sv

** SWITZERLAND

UNEP-Infoterra

Contact: PFN d'Infoterra

Office Fédéral de l'Environnement, des Forêts et du Paysage, Affaires Internationales, Hallwylstrasse 4,
CH-3003 Berne, Switzerland

Tel: (41-31) 322-9323

Fax: (41-31) 351-3187

Telex:

E-mail:

Preferred language: French

UNEP-GRID: Global Resource Information Database

Contact: Ole Hebin, Facility manager

GRID - Geneva, 15, chemin des Anémones CH-1219 Châtelaine, Geneva, Switzerland

Tel: (41-22) 979 9111

Fax: (41-22) 797 3471

Telex:

E-mail: hebin@grid.unige.ch / DIALCOM 41:UNE060

GRID - Geneva Archive

Established: 1985

Special collections: GRID database

Subjects: Environmental assessment; Environmental monitoring

Geographic area: Global

Data: GRID

Other: Searches for internal staff

Publications: List of reports and publications available through GRID

NCSO: Comité Interdépartemental pour le Suivi de Rio (Inter-departmental Committee "Rio")

Contact: Mr. Philippe Roch, Director

Office Fédéral de l'Environnement, des Forêts et du Paysage, Affaires Internationales, Hallwylstrasse 4,
CH-3003 Bern, Switzerland

Tel: (41-31) 322-9322

Fax: (41-31) 322-7958

Telex:

E-mail:

Mission: The Comite is not a political body, but rather an administrative structure with the participation of non-governmental organizations (NGOs), designed to ensure the national UNCED follow-up. Specific goals of the Committee are: to organize and coordinate interdepartmental activities regarding national UNCED follow-up; to examine the concept of sustainable development and the implications of Agenda 21 for Switzerland; to elaborate a National Action Plan on Sustainable Development; to facilitate cooperation between federal administration and non-governmental organizations; to coordinate Switzerland's position in international fora in the field of sustainable development.

Established: 1993 March 1

IUCN National Committee

Contact: Dr A. Antonietti: Comité Suisse de l'UICN

A Sourcebook for Conservation and Biological Diversity Information

c/o Office Fédéral de l'Environnement, des Forêts, et du Paysage, Hallwylstrasse 4, CH-3003 Berne, Switzerland

Tel: (41-31) 322 9311

Fax: (41-31) 351 3187

Telex:

E-mail:

WWF-Switzerland and IUCN Member Library

Contact: Dr. Ulrich Halder, Director

Hohlstrasse 110, CH-8010 Zürich

Tel: (41-1) 297-2121

Fax: (41-1) 297-2100

Telex:

E-mail:

Centre de documentation

Established: 1990

Books: ca. 1000; Serials: ca. 130; Maps: ca. 30; Photos: ca. 300; A/V: ca. 200

Subjects: Ecology; Environment; Biology; Zoology; Botany; Energy; Economics

Geographic area: Global

Publications: Panda Revue; Panda Nouvelles

Library publications: New publications; Publisher list

WWF-Switzerland, Geneva Office

14 chemin de Poussy, CH-1214 Vernier-Genève, Switzerland

Tel: (41-22) 782-7151

Fax: (41-22) 341-2784

Telex:

E-mail:

IUCN Member Library

Intercooperation - Swiss Organization for Development and Cooperation

Contact: Regula Cosandey, Librarian

Maulbeerstrasse 10, P.O. 6724, CH-3001 Berne, Switzerland

Tel: (41-31) 382-0861

Fax: (41-31) 382-3605

Telex: 912 047 INCO CH

E-mail:

Bibliothek/Dokumentation

Established: 1983

Books: ca. 2000; Serials: 210; Maps: ca. 50; Photos: ca. 5000; A/V: ca. 40

Special collections: Project documentation

Subjects: Forestry; Agriculture; Self-help; Gender issues; Project management

Geographic area: Asia; India; Indonesia; Pakistan; Sri Lanka; Africa; Burkina Faso; Mali; Rwanda; Madagascar;

Tanzania; Latin America; Peru; Bolivia; Ecuador; Nicaragua

Other: Inforest: Forestry information and documentation Service for the development coop., financed by the Swiss Dev. Coop. (SDC) for forestry projects.

Cooperation: Biber Group

**** UNITED KINGDOM**

UNEP-Infoterra

Libraries, Information Services and Databases

Contact: Ms. Judith A. Deschamps
Infoterra NFP, Department of the Environment, Room P3/185, 2 Marsham Street, London SW1P 3EB,
United Kingdom
Tel: (44-171) 276-5672
Fax: (44-171) 276-5713
Telex: 22221 DOEMAR G
E-mail: aj80@cityscape.co.uk

NCSD: United Kingdom Government Panel on Sustainable Development

Contact: Ms. Karin Cavill, Secretary
Department of the Environment, Room A124, 43 Marsham Street, London SW1P 3PY, United Kingdom
Tel: (44-171) 276-8598
Fax: (44-171) 276-8430
Telex:
E-mail:

Mission: To advise the government on strategic issues arising from the United Kingdom Strategy for Sustainable Development and the other post-Rio reports published in January 1994 on climate change, biodiversity, and forestry. The panel will be expected to keep in view general sustainability issues at home and abroad, identify major problems or opportunities likely to arise, monitor progress and consider questions of priority. Established: 1994 Jan 25

IUCN National Committee

Contact: Mrs. Valerie Dack, Secretariat
The UK Committee for IUCN, Joint Nature Conservation Committee, Monkstone House, City Road,
Peterborough PE1 1JY, United Kingdom
Tel: (44-1733) 62-626
Fax: (44-1733) 893-971
Telex:
E-mail:

Traffic International

Contact: Mr Jorgen Thomsen, Executive Director
Traffic International, 219c Huntingdon Road, Cambridge CB3 0DL, United Kingdom
Tel: (44-223) 277 427
Fax: (44-223) 277 237
Telex: 817036 SCMU G
E-mail: traffic@wcmc.org.uk

WWF-United Kingdom

Contact: Dr. Robin Pellew, Director
Jo Mee, Librarian; Andrea Ballard, Information and Research Officer
Panda House, Weyside Park, Godalming, Surrey GU7 1XR, United Kingdom
Tel: (44-1483) 426-444
Fax: (44-1483) 426-409
Telex: 051 859602 PANDA
E-mail:

WWF UK Library

Books: ca 8000; Serials: 124; Maps: 25; Microform: 49; Photos: 19000; A/V: 130
Special collections: WWF Historical Publications (Yearbooks, WWF News, Annual Reports, WWF Features); Lists of Approved Projects.
Subjects: Animals; Biodiversity; Environmental conservation; Economics; Education; Habitats; Law; Plants;

A Sourcebook for Conservation and Biological Diversity Information

Pollution; Population; WWF

Geographic area: Global; Africa; USA; South America; Antarctica; Arctic; Asia and the Pacific; Asia; Europe; United Kingdom

IUCN Member Library

BirdLife International (Formerly ICBP)

Contact: Sue Squire, Assistant Librarian
Wellbrook Road, Girton, Cambridge CB3 0NA, England, United Kingdom
Tel: (44-1223) 277-318
Fax: (44-1223) 277-200
Telex:
E-mail: birdlife@gn.apc.org

Library, BirdLife International

Established: 1980

Books: ca. 4000; Serials: ca. 1500

Subjects: Endangered species; Birds; Conservation

Geographic area: Global

Data: Papyrus, for books/reprints; DBase III+ for journals

Cooperation: World Conservation Monitoring Centre; Royal Society for the Protection of Birds

Publications: List available, including "Putting biodiversity on the map: priority areas for global conservation."
Cambridge: ICBP.

Library publications: Bimonthly Current Awareness

Databases: Bird Species Information

Started: 1991; Time period covered: Factual; Items: ca. 3500; Language: En

Contact: Alison Stattersfield

Databases: Bird Records Information

Type: Factual; Started: 1989; Time period covered: 1900-; Items: ca. 50000; Language: En

Contact: Alison Stattersfield

IUCN Member Library

International Waterfowl and Wetlands Research Bureau (IWRB)

Contact: Mr Simon Nash
Slimbridge, Gloucester, United Kingdom
Tel: (44-1453) 890-624
Fax: (44-1453) 890-697
Telex:
E-mail:

IWRB Library

Established: 1993

Books: 5000; Serials: 70

Subjects: Wetlands; Waterfowls

Geographic area: Global

Data: Papyrus

Databases: RAMSAR Sites database

Type: Factual; Graphic; Started: 1990

Contact: Scott Frazier

IUCN Member Library

The Landscape Institute (LI)

Contact: Sheila Harvey, Librarian
6/7 Barnard Mews, London SW11 1QU, United Kingdom
Tel: (44-171) 978-5037
Fax:
Telex:
E-mail:

The Landscape Institute Library
Established: 1930
Books: 5000; Serials: 35
Subjects: Landscape architecture
Geographic area: United Kingdom

IUCN Member Library

Royal Geographical Society

Contact: J.A. Dunlop, Librarian
1 Kensington Gore, London SW7 2AR, United Kingdom
Tel: (44-171) 589-5466
Fax: (44-171) 584-4447
Telex:
E-mail: rgs@ge.bbk.ac.uk

Royal Geographical Society Library and Expedition Advisory Centre
Established: 1830
Books: 125000; Serials: 800
Special collections: Maps, photos and archives are held in the Map Room, in the Archives and in the Picture Library.
Subjects: Geography; Travel
Geographic area: Global
Catalogs: Card catalogue
Publications: The Geographical Journal

Databases: Expedition Reports and Planned Expeditions Database
Type: Full Text; Started: 1984; Time period covered: 1965-present; Items: 4000+; Language: En
Database Products: Expedition yearbooks; Disk copies available on request
Contact: Mrs. Shane Winsor, Information officer

IUCN Member Library

Royal Society for Nature Conservation (RSNC)

Contact: Graham Birkett, Information Network Co-ordinator
The Green Witham Park, Waterside South, Lincoln LN5 7JR, United Kingdom
Tel: (44-1522) 544-400
Fax: (44-1522) 511-616
Telex:
E-mail:

RSNC Library/Information Centre
Established: 1993
Books: 2000; Serials: 120
Subjects: Wildlife conservation; Wildlife management

A Sourcebook for Conservation and Biological Diversity Information

Geographic area: United Kingdom

Publications: Available

IUCN Member Library

Royal Society for the Protection of Birds (RSPB)

Contact: Ian K. Dawson, Senior Librarian; Lynn Giddings, Library Assistant
The Lodge, Sandy, Bedfordshire SG19 2DL, England, United Kingdom

Tel: (44-1767) 680-551

Fax: (44-1767) 692-365

Telex: 82469 RSPB

E-mail:

RSPB Library

Established: 1961

Books: 9600; Serials: ca. 500; Microform: ca. 100

Special collections: RSPB Archives. W.H. Hudson Collection

Subjects: Birds; Fauna; Flora; Conservation management; Ecology

Geographic area: United Kingdom; North-West Europe; Global

Cooperation: Member of BBI

Publications: Birds; Conservation Review; Birdlife; Reports

Library publications: Library guide

IUCN Member Library

Skye Environmental Centre (SEC)

Contact: Grace Yoxon

Harapool, Broadford, Isle of Skye IV49 9AQ, Scotland, United Kingdom

Tel: (44-1471) 822-487

Fax: (44-1471) 822-487

Telex:

E-mail:

SEC Library

Established: 1984

Books: ca. 8300; Serials: ca. 20; Maps: ca. 50; Photos: ca. 1000; A/V: ca. 7

Subjects: Natural History; Geology; Archeology; Environment

Geographic area: United Kingdom, Scotland; Scotland, North West

Cooperation: Biological Recording Group; Biological Recording in Scotland Campaign

Publications: List available

**** 2.9 MIDDLE EAST**

UNEP-Infoterra

Contact: Mr. Mahmoud El Bakoush
Documentation and Information Center, League of Arab States (ALDOC), Cairo, Egypt
Tel:
Fax: (20-2) 740-331
Telex: 92111 ALS UN
E-mail:
Note: For Arab League Countries

UNEP-Regional Office for West Asia (ROWA)

Contact: Mr Salih Osman, Regional Director and UNEP Representative to the League of Arab States
P. O. Box 10880, Manama, State of Bahrain
Tel: (973) 276-072 / 276-073
Fax: (973) 276-075
Telex: 7457 UNEP BN
E-mail:

UNEP-Arab League Liaison Office

Contact: Mr. Salih Osman, UNEP Representative to the League of Arab States
31 Abdel Moneim Riad Dokki, P. O. Box 212, Cairo, Egypt
Tel: (20-2) 706-044 / 360-5234
Fax: (20-2) 700-658
Telex: 20901 UNEP C UN
E-mail:

**** BAHRAIN**

UNEP-Infoterra

Contact: Mr. Khalid Fakhro, Vice Chairman
Infoterra NFP, Environmental Protection Committee, P.O. Box 26909, Adliya, Bahrain
Tel: (973) 293-693
Fax: (973) 293-694
Telex: 8511 HEALTH BN
E-mail:

NCSD: Environmental Protection Committee (EPC)

Adliya, Bahrain

**** EGYPT**

UNEP-Infoterra

Contact: Director General

A Sourcebook for Conservation and Biological Diversity Information

Executive Office for Environmental Information, Academy for Scientific Research & Technology, 101 Kasr
El Aine Street, Cairo, Egypt
Tel: (20-2) 31-985
Fax:
Telex: 93069 ASRT
E-mail:

Also serves as Infoterra Regional Service Centre.

IUCN National Committee

Contact: Dr Kamal Batanouny, Prof. of Ecology
Egyptian Committee for IUCN, c/o Faculty of Science, Centre for Environmental Research & Studies,
University of Cairo, Giza, Egypt
Tel: (20-2) 361 5883
Fax: (20-2) 571 5885
Telex:
E-mail:

**** IRAN, Islamic Republic of**

UNEP-Infoterra

Contact: Advisor and Chief of the Cabinet of Vice-President of the Country and Director-General of
International Affairs, Infoterra NFP, Department of Environment, P.O. Box 5181, 15875 Tehran, Iran
Tel: (98-21) 898-233 / 893-724
Fax: (98-21) 898-233
Telex: 215064 DOEC IR
E-mail:

**** IRAQ**

UNEP-Infoterra

Contact: Dr. Abdul Jabar Abdul Abbas, Director
Infoterra NFP, Directorate of Preventive Medicine and Environment Protection, Andalus Square, Hay Al-
Wahda, Quartier 902, Street No.10, P.O. Box 10062, Baghdad, Iraq
Tel: (964-1) 719-2033
Fax:
Telex: 21 4084 ENV IK
E-mail:

**** ISRAEL**

UNEP-Infoterra

Contact: Ms. Esther Korn-Ancrì,
Infoterra NFP, Ministry of the Environment, P.O. Box 6234, Jerusalem 91061, Israel
Tel: (972-2) 701-604 / -605 / -649
Fax: (972-2) 513-945
Telex:
E-mail: ENVIROBY@TAUNIVM. BITNET

NCSD: Ministry of Environment

Contact: Yisrael Peleg, Director General
2 Kaplan Street, Kiryat Ben-Gurion, Jerusalem 91061, Israel
Tel: (972-2) 701-634
Fax: (972-2) 513-945
Telex:
E-mail:

Libraries, Information Services and Databases

**** JORDAN**

UNEP-Infoterra

Contact: Mr. Mahmoud Al-Omari
Infoterra NFP, Department of Environment, P.O. Box 35206, Amman, Jordan
Tel: (962-6) 672-131
Fax: (962-6) 672-135
Telex: 00962-6-672134
E-mail:

NCSD: Ministry of Municipal and Rural Affairs and Environment

Contact: Dr. Sufyan Tell
P.O. Box 1799, Amman, Jordan
Tel: (962-6) 641-393
Fax: (962-6) 640-404
Telex:
E-mail:

Mission: There is no National Sustainable Development Council or institution in Jordan. There exists the Jordan Society for the Protection of the Environment with broad participation of NGOs.

**** KUWAIT**

UNEP-Infoterra

Contact: Dr. Mahmoud Youssuf Abdul Rahim
Infoterra NFP, Environment Protection Council, P.O. Box 24395, Safat, Code Number 13104, Kuwait
Tel: (965) 456-835 / -836 / -866
Fax: (965) 421-993 / 245-6835
Telex: 46408 EP CNCL KT
E-mail:

NCSD: Special Committee

Environmental Ministry, Kuwait

**** LEBANON**

UNEP-Infoterra

Contact: Miss Amal Habib, Director of Documentation Centre
National Council for Scientific Research, P.O. Box 11-8281, Beirut, Lebanon
Tel: (961-1) 822-636 / -775
Fax: (961-1) 822-639
Telex:
E-mail:

NCSD: Office of the Prime Minister

Contact: Samir Mokbel, Minister of State, Environmental Affairs
Serail, Rue des Arts et Métiers, Sanayeh, Beirut, Lebanon
Tel: (961-1) 221-000
Fax:
Telex:
E-mail:

**** OMAN, Sultanate of**

UNEP-Infoterra

A Sourcebook for Conservation and Biological Diversity Information

Contact: Mr. Mahmood Bin Mohammed Bin Talib Al-Zakwani
Infoterra NFP, Dept. of GCC Affairs, Ministry of Regional Municipalities and Environment, P.O. Box 323, Area Code 113, Muscat, Sultanate of Oman
Tel: (968) 696-444, Ext.311 / 604-981
Fax: (968) 602-320 / 605-339
Telex: 5404 MININVOY
E-mail:

IUCN Member Library

Ministry of Regional Municipalities and Environment (MRME)

Al-Khuweir, P.O. Box 322, Postal Code 113, Muscat, Sultanate of Oman
Tel: (968) 696-444, Ext.317
Fax: (968) 602-320
Telex: 5404 MININVOY ON
E-mail:

MRME - Library Section

Established: 1984

Contact: Mr. Saif Mohammed Rashid Al-Shraji

Books: 2100+; Serials: 26; A/V: 200

Subjects: Environmental management; Environmental conservation

Geographic area: Oman; Global

**** QATAR**

UNEP-Infoterra

Contact: Mr. Khalid Ghanim Al Ali, Acting Director
Infoterra NFP, Environment Department, Ministry of Municipal Affairs & Agriculture, P.O. Box 7634, Building No. 318, Road No. 230, Area No. 24 C Ring Road, Doha, Qatar
Tel: (974) 320-825, 436-048
Fax: (974) 415-246
Telex: 4579 EPC
E-mail:

**** SAUDI ARABIA**

UNEP-Infoterra

Contact: Mr. Saleh A. Al-Zabin, Director General
Infoterra NFP, National Meteorology & Environmental Centre (MEPA), P.O. Box 1358, 21431 Jeddah, Saudi Arabia
Tel: (966-2) 651-2312
Fax: (966-2) 651-1424
Telex: 601236 ARSADSI
E-mail:

IUCN Project Office

Contact: Dr. Eugene Joubert, Senior Advisor
c/o NCWCD, P.O. Box 61681, 11575 Riyadh, Kingdom of Saudi Arabia
Tel: (966-1) 441-8700
Fax: (966-1) 441-0797
Telex: 405930 snc wcd sj
E-mail:

IUCN Member Library

Libraries, Information Services and Databases

National Commission for Wildlife Conservation and Development (NCWCD)

Contact: Abdulaziz M. Al-Mohanna, Director of Information Centre
P.O. Box 61681, 11575 Riyadh, Saudi Arabia
Tel: (966-1) 441-8700
Fax: (966-1) 441-0797
Telex: 405930 SNCWCD SJ
E-mail:

NCWCD Library

Established: 1986

Books: 4200; Serials: 157; Maps: 500; Photos: 40000; A/V: 150

Subjects: Wildlife biology; Ecology; Conservation & Management; Biological Diversity; Flora; Fauna

Geographic area: Saudi Arabia; International

Catalogs: 50000 Cards (Subject, Title, Author)

Data: 5 databases. Access to several national databases

Publications: Fauna of Saudi Arabia; Arabian Wildlife Magazine

Cooperation: National Library

Library publications: Current Awareness (monthly); List of Scientific and Management Reports

Databases: NCWCD Library Bibliography Database

Subjects: Wildlife conservation; Biology; Ecology; Management; Fauna; Flora; Environmental problems

Geographic area: Saudi Arabia; International

Type: Bibliographic; Started: 1992; Time period covered: 1975 - present; Language: En

Contact: Abdulaziz M. Al-Mohanna, Director of Information Centre

Databases: NCWCD Wildlife Database

Subjects: Wildlife conservation; Wildlife management

Geographic area: Saudi Arabia

Type: Referral; Started: 1993; Time period covered: 1983 - present; Language: En

Database Products: Abstracts and Reports

Contact: Abdulaziz Al-Mohanna, Director of Information Centre

**** SYRIAN ARAB REPUBLIC**

UNEP-Infoterra

Contact: Miss Lama Abdul Salam

Infoterra NFP, Ministry of State for the Environment, Tolyani Street, P.O. Box 3773, Damascus, Syria

Tel: (963-11) 333-0510

Fax: (963-11) 335-645

Telex: 412686 SY ENV

E-mail:

**** TURKEY**

UNEP-Infoterra

Contact: Ministry of Environment, Infoterra NFP

Foreign Relations Department, Eskiesehir Yolu 8.Km, 06100 Ankara, Turkey

Tel: (90-312) 285-1705

Fax: (90-312) 285-3739

Telex:

E-mail:

Preferred languages: English, French

NCSD: Ministry of Environment

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Contact: Nesrin ALGAN, Acting Head, Foreign Relations Department
Cevre Isleri Bankanligi, Istanbul Caddesi No. 8, Iskitler, Ankara, Turkey 06060
Tel: (90-312) 342-3900 / 341-8379
Fax: (90-312) 341-1356
Telex:
E-mail:

Mission: Minister of Foreign Affairs and the Minister of the Environment are finalizing the establishment of a Committee for the implementation of the Rio Agreements. Editors Note: the Ministry of Environment moved to a new building in April 1994; the Infoterra address is assumed to be the new one.

IUCN Member Library

Turkish Association for the Conservation of Nature and Natural Resources

Genel Merkez: Menekse Sokok No. 29/4, Kizilay, 06440 Ankara, Turkey
Tel: (90-4) 425-1944
Fax: (90-4) 417-9552
Telex:
E-mail:

The Library is being reorganized, so no information is available at this time.

**** UNITED ARAB EMIRATES**

UNEP-Infoterra

Contact: The Director General
Infoterra NFP, Federal Environmental Agency, P.O. Box 5951, Abu Dhabi, UAE
Tel: (971-4) 777-363
Fax: (971-2) 770-501
Telex:
E-mail:

IUCN Member Library

National Avian Research Center (NARC)

Contact: Theresa Bailey, Information and Liaison Officer
NARC Research Centre, P.O. Box 9903, Sweihan, Abu Dhabi, UAE
Tel: (971-86) 27-555
Fax: (971-86) 27-607
Telex:
E-mail:

NARC Library

Established: 1993

Books: ca. 335; Serials: 26; Maps: 22; Photos: ca. 400; A/V: 4

Special collections: Matters related to Houbara bustards and other Middle East birds

Subjects: Fauna; Flora; Birds

Geographic area: Middle East; Pakistan; Khazakstan

Data: Available

Cooperation: Oxford and Kent Universities; Aslip, Al Ain University

Publications: Internal report Series; Leaflets; Annual Report

Library publications: Newsletter

Databases: Captive Bird Database

Type: Factual; Started: 1993; Language: En

Libraries, Information Services and Databases

Contact: Head of Aviculture

Databases: Ecology Database

Type: GIS; Started: 1994; Language: En

Contact: Head of Ecology Dept.

Databases: Wildlife database

Type: Factual; Started: 1993; Language: En

Contact: Head of Ecology Dept.

**** YEMEN**

UNEP-Infoterra

Contact: Mr. Hussein al-Guneid, General Secretary

Infoterra NFP, Environment Protection Council, Diplomatic District, P.O. Box 19719, Sana'a, Yemen

Tel: (967-1) 262-350 / 215-176

Fax: (967-1) 215-604

Telex:

E-mail:

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**** 2.10 PACIFIC**

UNEP-Infoterra

Regional Service Centre in Australia.

UNEP-Regional Office For Asia and The Pacific (ROAP)

See Asia Section.

UNEP South Pacific Regional Environment Programme (SPREP)

Contact: Mr. Wesley Ward, Information Officer

Vaitele, P.O. Box 240, Apia, Western Samoa

Tel: (685) 21-929

Fax: (685) 20-231

Telex:

E-mail:

Note: this organization is an IUCN Depository Library.

SPREP Library and Information Centre

Established: 1992

Books: ca. 3500; Serials: 110; Maps: ca. 300; A/V: 70

Special collections: Educational materials; Audio tapes

Subjects: Environmental planning; Environmental management; Coastal zone management; Biodiversity;

Environmental law; Environmental education; Population; Climate change; Pollution

Geographic area: Pacific islands

Data: Serials; Books

Other: Publication distribution to regional deposit libraries

Databases: PENRIC

Type: Referral; Started: 1994

Languages: En Fr

Database Products: Booklet/disk for metabase; PENRIC digital data/maps; Metabase on disk

Contact: Wesley Ward; Bismark Crawley

NCSD: Pacific Sustainable Development Network (SDN)

Contact: Mr. Sam Sesega

South Pacific Commission, Private Mail Bag, Suva, Fiji

Tel: (679) 370-733

Fax: (679) 370-021

Telex:

E-mail:

Mission: Because of increasing population, raising material expectations, more intensive agricultural and harvesting practices as well as an expanding commercial sector, greater pressures are being placed upon the natural resources of the South Pacific. The Pacific SDN will concentrate on modifying the responses to these pressures at the community level because: 1) communities control the great majority of natural resources in the region; 2) the pressure these communities exert on the natural resource base are related to meeting basic needs and generating modest amounts of income; and 3) regional and national organizations that are concerned with sustainable development need to better link their efforts to the community level.

Pacific SDN will address needs at the community level in terms of sustainable development through a greater coordination of organizations and resources already dedicated to sustainable development. The national governments and regional institutions with the support of donor organizations are the main provider of services and information

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in the region. Their sustainable development programme coordination and programme focus on the community level will be facilitated through enhanced sustainable development information exchange within the region and increased access to international data and information services. Access of local communities to this nexus of information and services will be enhanced by the services provided through designated in-country organizations. The goal of these efforts is to effect change at the community level in order to halt the increasing degradation of the natural environment while setting communities on the path of sustainable natural resource management.

Established: 1994

TRAFFIC-Oceania

Contact: Debra Callister, Director
P.O. Box R594, Royal Exchange, Sydney, NSW 2000, Australia
Tel: (61-2) 247-8133
Fax: (61-2) 247-4579
Telex: 73303 LVSTA AA / 75374 BFTB AA
E-mail: traffico@peg.apc.org

WWF-South Pacific Coordinator

Contact: Mr. Peter Hunnam
c/o WWF-Australia, Level 10, 8-12 Bridge Street, GPO Box 258, Sydney, NSW 2001, Australia
Tel: (61-2) 247-6300
Fax: (61-2) 252-2252
Telex:
E-mail:

SEE ALSO

Asian Development Bank.

**** AUSTRALIA**

UNEP-Infoterra

Contact: Ms. Kay L. Winter, Library Director
INFOTERRA National Focal Point, Department of the Environment, Sport and Territories, 15 Moore St,
GPO Box 787, Canberra City, A.C.T. 2601, Australia
Tel: (61-6) 274-1209
Fax: (61-6) 274-1215
Telex:
E-Mail: kwinter@mgdestmx01.erin.gov.au / library@dest.erin.gov.au

Note: Regional Service Centre for Southeastern Asia and South Pacific Sub-regions

NCSD: NGO Consultative Forum on International Environmental Issues

Contact: Mr. Charles Mott
c/o Environment and Antarctic Branch, Department of Foreign Affairs and Trade, DFAT Canberra,
Canberra, ACT 2600, Australia
Tel: (61-6) 261-9111
Fax: (61-6) 261-2594

Mission: Australia is a federation; this means that work towards national strategies for Ecologically Sustainable Development (ESD) depend on co-operation between the Commonwealth (federal government) and the governments of the eight States and Territories. In fact, the Heads of Government endorsed a National Strategy for ESD (NSES) in December 1992.

Libraries, Information Services and Databases

IUCN National Committee

Contact: Mrs. Pam Eiser, Executive Officer
Australian Committee for IUCN (ACIUCN), GPO Box 528, Sydney NSW 2001, Australia
Tel: (61-2) 247-6300
Fax: (61-2) 247-8778
Telex:
E-mail:

WWF-Australia

Contact: Mr. David Butcher, Director
Level 10, 8-12 Bridge Street, P.O. Box 528, Sydney, NSW 2001, Australia
Tel: (61-2) 247-6300
Fax: (61-2) 247-8778
Telex:
E-Mail:

WWF-Melbourne Office

20 Joseph Street, Blackburn North, Melbourne, VIC 3130, Australia
Tel: (61-3) 899-0802
Fax: (61-3) 898-9878
Telex:
E-mail:

IUCN Member Library

Australian Heritage Commission (AHC)

Contact: Liz Thompson; Dianne Calvert
39 Brisbane Av., Barton Act, GPO Box 1567, Canberra ACT, Australia
Tel: (61-6) 271-2119
Fax: (61-6) 273-2395
Telex:
E-mail: lizt@ahc.erin.gov.au

AHC Library

Established: 1979

Books: 8000; Serials: 250; Photos: 100000; A/V: 100

Special collections: Set of reports funded by the Commonwealth National Estate Grants Program (about 2000 titles, mostly unpublished materials)

Subjects: Botany; Zoology; Geology; Archeology; Prehistory; Historic sites and monuments

Geographic area: Australia

Catalogs: URICA catalogue

Database: HERA (Heritage Australia Information System)

Cooperation: Shared catalogue with Federal Government Environmental Libraries

Library publications: HERA update (5 times a year); Australian Heritage Commission Special Bibliography Series.

Database: The Register of the National Estate

Type: Factual; Full Text; Started: 1982; Items: 20000; Language: En

Contact: Robert Bruce, Director

IUCN Member Library

Australian National Botanic Gardens (ANBG)

Contact: Catherine Jordan, Librarian
GPO Box 1777, Canberra, ACT 2601, Australia

A Sourcebook for Conservation and Biological Diversity Information

Tel: (61-6) 250-9480
Fax: (61-6) 250-9599
Telex:
E-mail: clj@anbg.gov.au

ANBG Library

Established: 1971

Books: 5000; Serials: 500; Maps: 5000; Microform: 100

Special collections: Slide collection held in Visitor Services Section

Subjects: Botany; Horticulture; Plant conservation; Gardening Therapeutic use; Orchids; Cryptograms; Biodiversity; Zoology

Geographic area: Australia; South-West Pacific

Catalogs: Online catalogue of books

Databases: Integrated Botanical Information System (IBIS)

Type: Factual; Full Text; Graphic; Mailing List; Terminology

Started: 1976; Time period covered: 1753-; Items: ca. 500 Language: En

Database Products: Handbooks; Catalogues; Gopher gateway to database; WWW gateway to database; WAIS servers; Diskettes

Online access: WWW ([hHp://155.187.10.12/index.html](http://155.187.10.12/index.html))

Gopher (<gopher://155.187.10.12/11>)

Contact: Jim Croft

IUCN Member Library

Australian Nature Conservation Agency (ANCA)

Contact: Cathy Center, Head Librarian; Alison Carter, Loans; Cathie Clayton, Library Assistant
ANCA, GPO Box 636, Canberra, ACT 2601, Australia

Tel: (61-6) 250-0205

Fax: (61-6) 250-0399

Telex:

E-mail: libraryancabr@anca.erin.gov.au

ANCA Library

Books: 7000; Serials: 400; Maps: 1040; A/V: 250

Subjects: Conservation; National park management; Biodiversity

Geographic area: Australia; South East Asia

Data: ELSA

Other: Bibliographies available on Gopher

Publications: List available

Library publications: Bibliographies

IUCN Member Library

Australian Sustainable Development Assistance Bureau (AIDAB)

Contact: The Librarian

62 Northbourne Avenue, GPO Box 887, Canberra City ACT 2601, Australia

Tel: (61-6) 276-4591

Fax: (61-6) 276-4528

Telex:

E-mail:

AIDAB Library

Established: 1974

Libraries, Information Services and Databases

Books: 40000; Serials: 500

Subjects: Development Aid; Environmental management; Environmental conservation; Development

Geographic area: South Pacific; Asia; Africa - Commonwealth

Catalogs: OPAC

Data: LIBMAN

Other: Computer search services on request

IUCN Member Library

Conservation Council of South Australia (CCSA)

Contact: Jo Juchniewicz, Librarian

120 Wakefield Street, Adelaide 5000, Australia

Tel: (61-8) 223-5155

Fax: (61-8) 232-4782

Telex:

E-mail:

Conservation Centre Library

Established: 1971

Books: 9000; Serials: 150; Maps: 500; Microform: 20; A/V: 20

Subjects: Endangered species; National conservation parks; Vegetation; Heritage

Geographic area: Australia, South Australia

Other: Inhouse index to journals

Publications: Environment South Australia Journal

Databases: Resource Action Group Database

Type: Mailing List; Started: 1993; Items: 500; Language: En

Database products: Diskettes

Contact: M. Grady

IUCN Member Library

South Australia, Department of Housing and Urban Development (SADHUD)

Contact: Janet Harris, Manager; Alison Bogdanowicz, Manager

55 Grenfell Street, GPO Box 667, Adelaide 5001, Australia

Tel: (61-8) 207-2068

Fax: (61-8) 207-2050

Telex:

E-mail:

SADHUD Library, Planning Division

Established: 1981

Books: 25000; Serials: 300; Microform: 10000; Photos: 10; A/V: 200

Special collections: Flinders Ranges South Australia; The Greenhouse effect (clippings and articles); AEC, VENSAC, CONCOM, ENCC papers for meetings and conferences; UNEP papers

Subjects: Environment; Natural resources; Planning; Archeology; Conservation; Building restoration

Geographic area: Australia, South Australia

Catalogs: Listed on the national Australian Bibliographic Network

Data: AUSTRALIS; DIALOG; ORBIT; ICPC/PIES; OZLINE; PRESSCOM; PEGASUS; CHIN

Cooperation: Contributes data for the HERA and STREAMLINE databases on the AUSTRALIS system

Publications: Annual report

Library publications: New titles list; Current contents Bulletin; Bibliographies; Library guide

IUCN Member Library

A Sourcebook for Conservation and Biological Diversity Information

Wet Tropics Management Authority (WTMA)

Contact: Ms. Harriet Davie, Executive Research Assistant
Level 5, 15 Lake Street, P.O. Box 2050, Cairns Q 4870, Australia
Tel: (61-70) 520-555
Fax: (61-70) 311-364
Telex:
E-mail:

Wet Tropics Library

Established: 1993

Books: 600; Serials: 25; Photos: 1500; A/V: 3

Subjects: Environmental management; World Heritage Areas; GIS; Tropical forests

Geographic area: Wet Tropics World Heritage Area

Data: Automated INMAGIC software

Other: Computer search service for departmental staff

Cooperation: Queensland Dept. of the Environment; CYPLUS; Cairns and Far North Environment Centre

Databases: WTMA

Type: GIS; Started: 1992; Time period covered: Current

Language: En

Database Products: Wet Tropics Cadastral Plans; Wet Tropics Draft Plan Maps

Contact: Arnon Accad

**** FIJI**

UNEP-Infoterra

Contact: The Director
Infoterra NFP, Town and Country Planning Office, Government Buildings, P.O. Box 2350, Suva, Fiji
Tel: (679) 211-717
Fax:
Telex: 2167 FOSEC FJ
E-mail:

NCSD: National Environment Council

Contact: Ms. Sharyn Sinclair-Hannocks, Director of Environment
Government Buildings, Suva, Fiji
Tel: (679) 211-639
Fax: (679) 303-515
Telex:
E-mail:

Mission: Environmental management impinges on nearly every sector of the public at one level or another. Well-developed public consultation processes need to be actively encouraged and should become a statutory obligation. The National Environment Council (NEC) advises the Minister for Planning and Environment on the views of the public, private sector interests, NGOs, local authorities and others. The government is considering expanding the recommended NEC to a National Planning and Environment Council, since planning is a sector directly related to the environment (hence the rationale for the dual Ministry) in which public involvement should be more effectively developed than it is as present.

Established: 1994

**** MARSHALL ISLANDS**

NCSD: Inter-Departmental Groups

c/o Ministry of Health Services and the Environment, P.O. Box 16, Cabinet Building, Majuro, Marshall

Libraries, Information Services and Databases

Islands 96960
Tel: (692) 9-3399
Fax: (692) 730-3432
Telex:
E-mail:

** NEW ZEALAND

UNEP-Infoterra and IUCN Member Library

Contact: Ms. Jenny Keate, Librarian-in-charge
Infoterra NFP, Ministry of Environment, P.O. Box 10362, Wellington, New Zealand
Tel: (64-4) 498 7462
Fax: (64-4) 471 0195
Telex: 3441 EXTERNAL (FOR MIN. OF ENVIRONMENT)
E-mail: jmk@mfe.govt.nz

Ministry for the Environment Library

Established: 1986

Contact: Julia Risk; Jane Nees; Helen Zwartz

Books: 7476; Serials: 1000; Maps: 230; Photos: uncatalogued; A/V: 10

Special collections: Environmental Impact Assessments for New Zealand together with district and regional schemes for local planning authorities.

Subjects: Pollution; Environmental education; Pharmaceuticals; Food; Ecology; Coastal zone management; Population; Climate change; Environmental Law; Environmental management

Geographic area: New Zealand; Global

Catalogs: Online catalogues for books and periodicals

Data: Library catalogues

Other: Computer searches on request

Cooperation: Infoterra contact point, IUCN Member; Wide range of National networks to maximise resources in New Zealand and Australia

Publications: Environment update; MFE publications list available

Databases: Contact Index

Type: Mailing list; Started: 1986; Time period covered: Current; Items: 7000; Language: En

Contact: John Morton

NCSD: Ministry for the Environment

Contact: Mr. Robert Ogilvie
P.O. Box 10-362, 84 Boulcott Street, Wellington, New Zealand
Tel: (64-4) 473-4090
Fax: (64-4) 471-0195
Telex:
E-mail:

Mission: High-level coordination of domestic sustainable development issues is undertaken by the Ministry of the Environment in conjunction with the Ministry of Foreign Affairs and Trade and the Department of Conservation.

IUCN National Committee

Contact: Dr. W. Green, Chairperson
New Zealand Committee of IUCN Members, c/o Department of Conservation, P.O. Box 10420, Wellington, New Zealand
Tel: (64-4) 4710-726

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Fax: (64-4) 471 3279
Telex:
E-mail:

WWF-New Zealand

Contact: Mr Christopher Laidlaw
Education & Environment Centre, Botanic Garden, P.O. Box 6237, Wellington, New Zealand
Tel: (64-4) 499-2930 / 499-2932
Fax: (64-4) 499-2954
Telex:
E-mail:

IUCN Member Library

Landcare Research New Zealand Ltd

Contact: Margot Bowden
P.O. Box. 69 Gerald Street, Lincoln, Canterbury, New Zealand
Tel: (64-3) 325-6700
Fax: (64-3) 325-2418
Telex:
E-mail: srczlib@dbv.grace.cri.nz

Landcare Research NZ - Library

Established: 1960
Books: 13800; Serials: 850; Maps: 2550; Microform: 390; Photos: 4500;
Subjects: Agriculture; Ecology; Genetics
Geographic area: New Zealand; Global
Catalogs: Computer based

Data: CRI Library network
Other: Computer searches for internal staff

Landcare Research New Zealand Ltd

Private Bag 11052, Palmerston North, New Zealand
Tel: (64-6) 356-7154
Fax: (64-6) 355-9230
Telex:
E-mail:

Subjects: Agriculture; Ecology; Land use; Geology; Erosion
Databases: New Zealand Land Resource Inventory (NZLRI)
Type: GIS; Started: 1975; Time period covered: Last 20 years
Language: En
Contact: Dr. Peter Stephens

Databases: National Indigenous Vegetation Survey
Type: Factual; Started: 1985; Time period covered: 1945-Present; Items: 145000; Language: En
Contact: Dr. Euan Nicol

Databases: Herbarium PDD (NZ and S. Pacific Fungi)
Type: Factual; Started: 1950; Time period covered: 1930-Present; Items: 63000; Language: En
Contact: Dr. Eric Mackenzie

Libraries, Information Services and Databases

Databases: New Zealand Arthropod Collection (NZAC)
Type: Factual; Started: 1984; Time period covered: En; Items: 42000; Language: En
; Insect bibliographic database CD-ROM
Contact: Dr. Trevor Crosby

Databases: Christchurch Herbarium Information Storage and Retrieval Project (CHIRP)
Type: Factual; Started: 1984; Time period covered: 1970-Present; Items: 65000; Language: En
Data available by arrangement
Contact: Dr. Euan Nicol; Dr. Murray Parsons

** PAPUA NEW GUINEA

UNEP-Infoterra

Contact: Mrs. Elizabeth Gavara-Nanu, Information Officer
Infoterra NFP, Dept. of Environment & Conservation, Central Government Officer, Waigani, P.O. Box
6601, Boroko, Papua New Guinea
Tel: (675) 271-047
Fax: (675) 271-040 / 271-900
Telex: NE 22327
E-mail:

NCSD: Ministry of Environment and Conservation

Contact: Iamo Ila, Secretary
Central Government Offices, Post Office, Wards Strip, Waigani, Papua New Guinea
Tel: (675) 271-788
Fax: (675) 271-900
Telex:
E-mail:

** SAMOA

UNEP-Infoterra

Contact: Mr. Tapa R. Suaesi, Environment, Education and Training Officer
Infoterra NFP, Division of Environment & Conservation, Department of Lands, Surveys & Environment,
P.O. Private Bag, Apia, Samoa
Tel: (685) 26-681 / 23-800
Fax: (685) 23-176
Telex:
E-mail: manumea@pactok.peg.apc.org

IUCN Member Library

Ofisa o eleele fuagafanua male siosiomaga [Division of Environment and Conservation, Department of Lands, Surveys and Environment (DEC-DLSE)]

Director DLSE, P.O. Private Bag, Apia, Western Samoa
Tel: (685) 26-679 / 26-681
Fax: (685) 23-176
Telex:
E-mail:

DLSE Library
Established: 1990
Books: ca 3500; Photos: 3000; A/V: 20
Subjects: Ecology; Plants; Animals; Waste management
Geographic area: Western Samoa

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Data: Biodiversity database

** TONGA

UNEP-Infoterra

Contact: The Secretary of Lands, Survey and Natural Resources,
Infoterra NFP, Ministry of Lands, Survey and Natural Resources, Nuku'alofa, Tonga
Tel: (676) 23-611
Fax: (676) 23-216
Telex:
E-mail:

** TUVALU

NCSD: Ministry of Natural Resources, Home Affairs and Rural Development

Contact: Artenieli Toasi, Minister
Vaiaku, Funafuti Atoll, Tuvalu
Tel:
Fax: (688) 688-800
Telex: tv 18013 govt 0021
E-mail:

** VANUATU

UNEP-Infoterra

Contact: Mr Ernest Bani, Principal Environment Officer
Infoterra NFP, Environment Unit, PMB 063, Port Vila, Vanuatu
Tel: (678) 25-302
Fax: (678) 23-142
Telex: 1040 VANGOR NH
E-mail: enveduin@packtok.peg.apc.org

NCSD: Ministry of Lands and Natural Resources

Contact: Paul Barthelemy Telukluk, Minister
P.O. Box 151, Port Vila, Vanuatu
Tel: (678) 23-105
Fax:
Telex: 1040 VANGOV NH
E-mail:

Chapter 3. Books and Periodicals

3.0 Environmental Information: A Bookseller's Perspective, by Bernard Mercer, Managing Director, Natural History Book Service

The professionalization of environmental research over the last two decades has had a dramatic impact on the volume, scope and diversity of environmental information. During most of this century, data in the sciences and social sciences was collected by universities, expeditions and fieldwork sponsored by learned societies, and through the efforts of amateur groups and individuals. Information was shared by these communities via books, journals and papers. In the immediate post-war period, the range of organisations involved in research began to widen: governments and intergovernmental bodies (particularly in North America, Europe and Australasia) significantly increased their sponsorship of research by setting up specialised agencies and through funding of local, national and international projects. And from the late 1960's, nongovernmental groups also started to generate information either by contracting with outside professionals or by creating their own in-house research facilities. These developments were accompanied by rapid growth in the higher education sector, with new universities, colleges and institutes proliferating around the world.

The rapid growth of research centres has inevitably led to a sharp acceleration in data output. There seems no likelihood that this will slow down, given the huge amount of work which remains to be done at the species, ecosystem and global level.

At the same time as output rose, the nature of environmental information and the objectives of those involved in producing it became much more complex. The increasingly interdisciplinary character of research is a function of the growing awareness of the interdependence of biological and physical systems. Furthermore, a serious ecosystem study would have to pay attention to human interactions as well as biophysical data. Subjects like ethnobotany, palaeobiogeography, agroforestry and ecotourism hardly existed twenty years ago, but are now important disciplines.

But perhaps the most significant development of all is the revolution which has taken place in the production and dissemination of environmental information. Desktop publishing, CD-ROMs, video/multimedia and the Internet now all exist as communication tools. Whereas in the past authors could only successfully contact their audience by publishing work through one of the few major international book and journal publishers or under the aegis of a learned society, it is now possible to reach a peer group direct, at relatively low cost.

These changes have made environmental information much more freely available and have enabled researchers to propel issues like climate change, conservation biology and ecological economics into the public eye. It can be argued that the standards of debate over environmental issues have been raised as a result.

Accessibility of environmental information presents producers, intermediaries and users with new opportunities but also raises new problems. For example, an ongoing paper reporting survey work on elephant populations in Southern Africa could be published directly onto the Internet. Other workers in this field would benefit from the immediacy and freshness of the data. But they could also be seriously disadvantaged if the data contained errors as a result of not having been subject to the scrutiny of peer group review. Issues relating to the distribution of Internet data also need to be addressed. If the ongoing paper was widely and intelligently advertised on all the appropriate bulletin boards, then most interested parties might be reached, thus rendering an intermediary unnecessary. However, if the paper were not advertised properly, an intermediary (bookseller, journals subscription agent, information broker) would

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have a role to play. This would be even more true if the paper contained observations of relevance to other groups of environmentalists (for example, ecosystem/land-use researchers) in addition to those with a primary interest in elephants.

Where information producers need to avail themselves of the peer review system or produce interdisciplinary material of value to a diverse audience, then publishers and booksellers (whether in the commercial sector or not) will continue to prove valuable intermediaries. However the information flows develop, it seems improbable that the need to evaluate the worth of information - so critical in determining approaches to future research - will disappear. Perhaps a plethora of Internet review journals will spring up to fulfill this function.

The NHBS Title Database and the Title Selection

The following selection of books, journals and multimedia titles constitute a core list drawn from the NHBS title database and reflect everything that has been discussed above. All titles were selected because of their value to practising conservationists and researchers, and were chosen from a total of over 40,000 titles, drawn from a total of more than 5,000 publishers, in 30 languages. All titles were in-print **at the time this Sourcebook went to press**; in that respect this list is fundamentally different from most bibliographies. It is felt that many users of this Sourcebook will not necessarily have ready access to a well-stocked library, and a bibliography of current materials will therefore be more useful. Unlike most annotated bibliographies we can verify the accuracy of the majority of this material, having had most of it pass through our hands.

However, although the list reflects our core selection we cannot claim completeness. A truly global environment bibliography would include a great deal more literature in languages other than English. Current environmental information in Cyrillic and Chinese account for a large proportion of world data. Other weaknesses include under-representation of the growing body of material on Latin America which is published in Spanish and Portuguese. We hope to remedy some of these defects in future revisions of the Sourcebook.

How to Use the Bibliography

The section is split into four sections: reference, books, journals, and multimedia. The reference section contains books of interest to all readers of this part of the Sourcebook, listing what could be considered essential general titles for conservationists, whatever their particular specialisation. The books section is by far the biggest component, containing nearly 600 titles chosen for their usefulness in relation to conservation activity. The majority are practical books with a specific focus, but there are also a number of key scientific texts which provide necessary background. They are broken down into various subject headings, some purely scientific, some thematic. The reader will usually need to examine more than one section to gain the material required. For example, those interested in forest preservation will find relevant titles in botany, natural resources, ecosystems, and habitat and species conservation.

The list of journals is somewhat shorter. Here we have selected general journals which either cover a broad field, or a substantial geographic area. We have avoided listing too many species specific titles to save the section from unwieldiness. Finally, our multimedia section demonstrates that interest is increasing in the environmental arena for this useful medium. Although emphasis lies with general reference tools, there are a few titles with direct relevance to conservation.

About NHBS

Natural History Book Service Ltd is an independent mail-order bookshop and library supplier founded in 1985 with the aim of providing a unique service to the international environmental community. NHBS produces printed catalogues covering all fields of environmental enquiry, from zoology through to conservation biology and environmental law and politics. These are available free of charge from the address below. A searchable version of the NHBS database is also available via the Internet, at the following WWW address. Point MOSAIC at - <http://www.nhbs.co.uk>.

Contact: Bernard Mercer, Managing Director
Natural History Book Service, 2-3 Wills Road, Totnes, Devon, TQ9 5XN, United Kingdom
Tel: (44-1803) 865-913
Fax: (44-1803) 865-280
Telex:
E-mail: nhbs.co.uk / nhbs@gn.apc.org

3.1 In-print Species Conservation and Biodiversity Titles, compiled and edited by Mark Stenner, NHBS BookNet Manager

3.1.1 Reference

BIOMETRY: *The Principles and Practice of Statistics in Biological Research*

Sokal,(R) & Rohlf,(FJ). Third Edition, 1994: 887 pp. 224 illus. A rigorous introduction to a broad spectrum of statistical concepts and methods for students with little or no background in statistical analysis. This revised edition includes chapters on handling computer data. Oxford, UK: W H Freeman.

BIostatistical Analysis

Zar,(JH). Second Edition, 1984: 718 pp. Figs, tables. Hemel Hempstead, UK: Prentice-Hall.

CHAMBERS BIOLOGY DICTIONARY

Ed. Walker,(PMB). 1990: 216 pp. 80 illus. London, UK: Chambers Harrap Publishers.

THE CONCISE OXFORD DICTIONARY OF ECOLOGY

Allaby,(M). 1993: 415 pp. Over 5,000 entries covering everything from acid rain to gene banks. As well as entries on ecology and the environment, there are also biographical notes on eminent ecologists and scientists. Oxford, UK: Oxford University Press.

CONSERVATION DIRECTORY, A LIST OF ORGANIZATIONS, AGENCIES, AND OFFICIALS CONCERNED WITH NATURAL RESOURCE USE AND MANAGEMENT

Ed. Gordon (RE). 1995: 501pp. Washington D.C, USA: National Wildlife Federation.

A DICTIONARY OF ECOLOGY, EVOLUTION AND SYSTEMATICS

Lincoln,(RJ), Boxshall,(GA) & Clark,(PF). 1983: 298 pp. Cambridge, UK: Cambridge University Press.

DICTIONARY OF NATURAL PRODUCTS

Ed. Buckingham,(J). 1993: 9,500 pp. in 7 volumes. A comprehensive source of information on all known natural products, giving chemical, structural and bibliographic data on 100,000 natural products and related compounds. All references include labels directing users to further information, and there are extensive indexes which allow easy access. London, UK: Chapman & Hall.

DIRECTORY OF COUNTRY ENVIRONMENTAL STUDIES

A Sourcebook for Conservation and Biological Diversity Information

WRI/IIED/IUCN, 1992: 230 pp. Annotated bibliography on the content and availability of more than 325 studies of environmental and natural resource conditions in the developing world. Washington, D.C., USA: World Resources Institute.

ENCYCLOPEDIA OF ENDANGERED SPECIES

Ed. Emanoil,(M). 1994: c.800 pp. Photos, illus, maps. Compiled as a joint project with the IUCN, this reference contains 700 descriptions and status reports for animals and plants in danger of extinction throughout the world. Andover, UK: Gale Research International.

THE ENVIRONMENTALIST'S BOOKSHELF: *A Guide to the Best Books*

Meredith,(R). 1993: 272 pp. Lists and describes the 500 best books on nature and the environment, as determined by the recommendations of over 200 environmental leaders from around the world. London, UK: Maxwell Macmillan.

ENVIRONMENTAL PROFILES: *A Global Guide to Projects & People*

Ed. Katz,(LS) et al. 1993: 1,400 pp. Organised country by country, and by governmental, non-governmental, and private organisations, this reference work identifies and describes important environmental undertakings and the people behind them. Hamden, USA: Garland Publishing.

EXPEDITION PLANNERS' HANDBOOK AND DIRECTORY 1993-4

Eds. Winser,(S) & McWilliam,(N). 1992: 448 pp. B/w photos, figs. Established as the best guide to all aspects of expedition planning, with articles by over 40 specialists from the world of science and exploration. London, UK: Expedition Advisory Centre of the Royal Geographical Society.

THE FIELD DIRECTORS' HANDBOOK: *An Oxfam Manual for Development Workers*

Pratt,(B) & Boyden,(J). 1988: 512 pp. Illus. Oxford, UK: Oxfam.

GALE ENVIRONMENTAL SOURCEBOOK: *A Guide to Organisations, Agencies and Publications*

Eds. Hill,(K) & Piccirelli,(A). 1993: 688 pp. Andover, UK: Gale Research International.

THE ISLAND PRESS BIBLIOGRAPHY OF ENVIRONMENTAL LITERATURE

Yale School of Forestry and Environmental Studies. 1993: 396 pp. Lists books, monographs, journals, conference proceedings, government reports and other publications relevant to the environment. Covelo, USA: Island Press.

MANAGING PROJECTS IN DEVELOPING COUNTRIES

Cusworth,(J) & Franks,(T). 1993: 256 pp. Illus. Addresses the concepts, systems and skills of project management, identifying the three major elements of organisations, implementation and planning for procurement. Harlow, UK: Longman.

MONITORING FOR CONSERVATION AND ECOLOGY

Ed. Goldsmith,(B). 1990: 267 pp. B/w photos, figs. The recording of changes of plants and animals is vital for decision-making in conservation, and is being recognised as increasingly important in the light of current global environmental degradation. The book summarises the need for, and methods in, long-term monitoring, and includes the recent fields of aerial photography and remote sensing, using examples from all types of flora and fauna. London, UK: Chapman & Hall.

MONITORING ECOLOGICAL CHANGE

Spellerberg,(IF). 1991: 334 pp. 68 line diagrams, 4 b/w photos, 43 tables. Cambridge, UK: Cambridge University Press.

THE NATURE DIRECTORY: *Guide to Environmental Organizations*

Lanier-Graham,(SD). 1992: 190 pp. Covers over 120 major environmental organisations. Named one of the top

Books and Periodicals

24 reference books of 1991 by the New York Public Library. New York, USA: Walker Publishing Co Inc.

OECD ENVIRONMENTAL DATA: *Compendium 1993*

1994: 326 pp. Tabs. Includes data on the state of the environment, environmental pressures and management. Updated every two years. Text in both French and English. Paris,: OECD.

PLANET GAUGE 1994

Morgan,(R). 1994: 234 pp. 2,500 essential facts about the world we live in. Published in association with the WWF. London, UK: Earthscan.

STATE OF THE WORLD 1995: *A Worldwatch Institute Report on Progress Toward a Sustainable Society*

Brown,(LR) et al. Twelfth Edition, 1995: 288 pp. London, UK: Earthscan.

TECHNIQUES FOR WILDLIFE INVESTIGATIONS: *Design and Analysis of Capture Data*

Skalski,(JR). 1992: 237 pp. London, UK: Academic Press.

VEGETATION DESCRIPTION AND ANALYSIS: *A Practical Approach*

Kent,(M) & Coker,(P). 1993: 363 pp. Manual of techniques for describing and analysing plant life in an ecological context. It provides a step-by-step introduction to the whole range of methods available and explains how results should be interpreted. Chichester, UK: John Wiley & Sons.

WORLD DIRECTORY OF ENVIRONMENTAL ORGANISATIONS

Eds. Trzyna,(TC) & Childers,(R). Fourth Edition, 1992: 232 pp. Comprehensive guide to organizations in all parts of the world, first compiled by the CIPA and IUCN twenty years ago. London, UK: Earthscan.

WORLD DEVELOPMENT REPORT.

This reference is published for the World Bank by OUP on an annual basis, providing a vast amount of data on social and economic development in over 120 countries. The report includes many statistical tables, basic information on over 50 economies with less than 1 million of population, case studies concentrating on a particular theme, and colour-coded world maps. Published in eight language editions (English, French, Spanish, Arabic, Chinese, German, Japanese and Portuguese), the *World Development Report* is an invaluable review of recent trends in the world economy. The data presented in tabular form are also available on diskette, under the title *World Development Indicators Diskettes*. Oxford, UK: Oxford University Press.

WORLD GUIDE TO ENVIRONMENTAL ISSUES AND ORGANIZATIONS

Ed. Brackley,(P). 1990: 420 pp. Harlow, UK: Longman.

THE WWF ATLAS OF THE ENVIRONMENT

Lean,(G) & Hinrichsen,(D). Second Edition, 1992: 192 pp. 200 col maps. Over 200 full-colour maps explain what is really meant by global warming, the ozone layer, and acid rain. London, UK: Hutchinson.

Taxonomy, Systematics & Nomenclature

BIOLOGICAL NOMENCLATURE.

Jeffrey,(C). Third Edition, 1989: 86 pp. A practical guide to the official codes of nomenclature operative in botanical, horticultural, microbiological and zoological science. Cambridge, UK: Cambridge University Press.

BOTANICAL LATIN: *History, Grammar, Syntax, Terminology and Vocabulary*

Stearn,(WT). Revised Fourth Edition, 1992: 546 pp. Line illus. Newton Abbot, UK: David & Charles.

COMPOSITION OF SCIENTIFIC WORDS

Brown,(RW). 1991: 882 pp. Reissue of this standard text on scientific nomenclature, first published in 1956. Washington, DC, USA: Smithsonian Institution Press.

A Sourcebook for Conservation and Biological Diversity Information

A CONCISE DICTIONARY OF PLANT NAMES

Ed. Pankhurst,(RJ). 1995: 320 pp. Presents over 15,000 entries covering scientific and common names of flowering plants, ferns and conifers, with short descriptions of the plant, origin of its name, group or family to which it belongs, geographical origin and distribution, and medicinal/culinary/ industrial/agricultural uses. The dictionary concentrates on mainly north temperate plants, but with some better known tropical species. Oxford, UK: Oxford University Press.

FIVE KINGDOMS: *An Illustrated Guide to the Phyla of Life on Earth*

Margulis,(L) & Schwartz,(K). Second Edition, 1987: 376 pp. B/w photos, micrographs. An extraordinary catalogue of the world's living diversity, this guide documents the major divisions, or phyla, of the five kingdoms: Prokaryotae; Prototista; Funga; Animalia; Plantae. Oxford, UK: W H Freeman.

FLORISTIC INVENTORY OF TROPICAL COUNTRIES: *The Status of Plant Systematics, Collections and Vegetation, plus Recommendations for the Future.*

Eds. Campbell,(D) & Hammond,(H). 1989: 545 pp. New York, USA: New York Botanical Garden.

INTRODUCTION TO THE PRINCIPLES OF PLANT TAXONOMY

Sivarajan,(VV). Second Edition, 1991: 292 pp. 24 illus, tabs. Cambridge, UK: Cambridge University Press.

PRINCIPLES OF SYSTEMATIC ZOOLOGY

Mayr,(E) & Ashlock,(PD). Second Edition, 1991: 475 pp. Figs, diags. Important text, completely revised and rewritten since the 1969 original edition. In three parts: A - microtaxonomy; B - macrotaxonomy; C - practical applications and the rules of zoological nomenclature. Maidenhead, UK: McGraw Hill.

Zoology: General

THE CONCISE OXFORD DICTIONARY OF ZOOLOGY

Ed. Allaby,(M). 1992: 508 pp. Comprehensive and unique dictionary with nearly 6,000 entries. Oxford, UK: Oxford University Press.

A GUIDE TO THE ZOOLOGICAL LITERATURE: *The Animal Kingdom*

Bell,(GH) & Rhodes,(DB). 1994: 520 pp. A compilation of major reference sources on the animal kingdom. It contains an author/title index, and a separate subject index, including the common and scientific names of animal groups and geographical locations. Englewood, USA: Libraries Unlimited.

THE INVERTEBRATES: *An Illustrated Glossary*

Ed. Stachowitsch,(M). 1992: 528 pp. Unique work, allowing rapid and accurate identification of particular species. Covers 77 living invertebrate taxa - most on a phylum or class level. Contains more than 10,000 entries, with 1,100 figures compiled in 79 full-page illustrations. Chichester, UK: John Wiley & Sons.

INVERTEBRATE ZOOLOGY

Meglitsch,(PA) & Schram,(FR). 1991: 623 pp. 378 line drawings. Completely revised edition of this classic textbook. Oxford, UK: Oxford University Press.

ZOOLOGY

Dorit,(RL), Walker,(WF) & Barnes,(RD). 1991: 1,000 pp. A key textbook. Eastbourne, UK: W B Saunders.

Zoology: Mammals

THE ASIAN ELEPHANT: *An Action Plan for its Conservation*

Santiapillai,(C) & Jackson,(P). 1990: 88 pp. B/w photos, figs, maps. Gland/Cambridge: IUCN.

THE BADGER (*MELES MELES*): *An Assessment of the Population Status, Conservation Needs and Management*

Books and Periodicals

Requirements of the Species in the Western Palaearctic

Griffiths,(HI), Griffiths,(CA) & Thomas,(DH). 1993: 97 pp. 23 b/w photos & figs. A report to the Standing Committee of the Convention on the Conservation of European Wildlife and Natural Habitats. Strasbourg, FRANCE: Council of Europe.

BIOLOGY, STATUS AND CONSERVATION OF THE MONK SEAL (*MONACHUS MONACHUS*)

Marchessaux,(D). 1989: 46 pp. 5 maps, 2 figs, Strasbourg, FRANCE: Council of Europe. *Nature and Environment Series 41*

CATS OF THE WORLD: *Biology, Conservation, and Management*

Eds. Miller,(SD) & Everett,(DD). 1986: 501 pp. Figs, maps, tabs. Proceedings of the Second International Symposium, with 38 papers from contributors. Washington, USA: National Wildlife Federation.

CONSERVATION OF EUROPEAN BATS

Stebbing,(B). B/w photos, line drawings. Compiled by the IUCN's Species Survival Commission, this book outlines the species and sites most at risk, and the measures that need to be taken. London, UK: Christopher Helm.

DOLPHINS, PORPOISES AND WHALES: *An Action Plan for the Conservation of Biological Diversity: 1988-1992*

Perrins,(WF). 1994: 32 pp. B/w photos. Aims to precipitate activity which will prevent the extinction of any cetacean species or populations currently in danger, and to promote sustainable relationships between man and cetaceans. Gland/Cambridge: IUCN.

FOXES, WOLVES, JACKALS AND DOGS: *An Action Plan for the Conservation of Canids*

Ginsberg,(JR) & Macdonald,(DW). 1990: 116 pp. B/w photos, figs, maps. Gland/Cambridge: IUCN.

A FUTURE FOR ASIAN RIVER DOLPHINS: *Report from a Seminar on the Conservation of River Dolphins in the Indian Subcontinent*

Reeves,(RR), Leatherwood,(S) & Lal Mohan,(RS). 1993: 39 pp. Bath, UK: Whale and Dolphin Conservation Society.

GRZIMEKS ENCYCLOPEDIA OF MAMMALS.

Ed. Grzimek,(B). 1989. The five volumes cover every species of mammal in the world, and give information on all aspects of their morphology, behaviour, biology, ecology and evolution. Common names are given in English, German, and French, as well as the scientific nomenclature. Maidenhead, UK: McGraw Hill.

LEMURS OF MADAGASCAR AND THE COMOROS: *The IUCN Red Data Book*

Harcourt,(C) & Thornback,(J). 1990: 240 pp. B/w photos, 19 figs. Describes the plight of every lemur species, and discusses options for their conservation. Gland/Cambridge: IUCN.

MAMMAL SPECIES OF THE WORLD: *A Taxonomic and Geographic Reference*

Eds. Wilson,(DE) & Reeder,(DA). Second Edition, 1993: 1,312 pp. This is a revised edition of Honacki's work, first published in 1982 by the American Society of Mammalogists. It provides a definitive source for names, ranges and synonyms for each of the world's 4,000+ species of mammal. 126 new species described since the last edition are included, together with updated taxonomy, and geographic distribution for all species. Washington, DC, USA: Smithsonian Institution Press.

OTTERS: *An Action Plan for their Conservation*

Eds. Foster-Thurley,(P), MacDonald,(S) & Mason,(C). 1991: 126 pp. Line illus, b/w photos, maps. Gland/Cambridge: IUCN.

A Sourcebook for Conservation and Biological Diversity Information

PRIMATES OF THE AMERICAS: *Strategies for Conservation and Sustained use in Biomedical Research*

Ed. Arámbulo,(P) et al. 1993: 314 pp. Figs, tabs. Contains 12 papers on neotropical primates, their populations, conservation and management. Bilingual, with papers in both English and Spanish. Columbus, USA: Battelle Press.

RABBITS, HARES AND PIKAS: *Status Survey and Conservation Action Plan*

Eds. Chapman,(JA) & Flux,(JEC). 1991: 168 pp. B/w photos, maps, figs. Gland/Cambridge: IUCN.

THE RED PANDA, OLINGOS, COATIS, RACCOONS AND THEIR RELATIVES: *An Action Plan for the Conservation of Procyonids and Ailurids*

Ed. Glatston,(AR). 1994: 100 pp. In English and Spanish. Gland/Cambridge: IUCN.

RHINOS : *An Endangered Species*

Penny,(M). 1987: 128 pp. 2 pp of colour photos, line drawings. London, UK: Christopher Helm.

RODENTS: *A World Survey of Species of Conservation Concern*

Ed. Lidicker,(WZ). 1989: 64 pp. Based on the 1985 meeting held in Canada of the IUCN/SSC Rodent Specialist Group, to consider the global conservation needs for rodents. Gland/Cambridge: IUCN.

SEALS, FUR SEALS, SEA LIONS AND WALRUS

Reijnders,(P). 1993: 87 pp. B/w photos, maps. An overview of the status of all pinniped species, followed by recommended actions. Gland/Cambridge: IUCN.

SEMINAR ON THE BIOLOGY AND CONSERVATION OF THE WILDCAT (*FELIS SILVESTRIS*)

1993: 124 pp. Tabs, figs, distribution maps. Proceedings of a seminar held in Nancy, France, 1992. Strasbourg, FRANCE: Council of Europe.

STATUS, CONSERVATION NEEDS AND REINTRODUCTION OF THE LYNX (*LYNX LYNX*) IN EUROPE

1990: 50 pp. 9 figs, 6 tabs. Strasbourg, FRANCE: Council of Europe. *Nature and Environment Series 45*

STATUS AND CONSERVATION NEEDS OF THE WOLF (*CANIS LUPUS*) IN THE COUNCIL OF EUROPE MEMBER STATES

Delibes,(M). 1990: 46 pp. 4 figs. Strasbourg, FRANCE: Council of Europe. *Nature and Environment Series 47*

STATUS AND CONSERVATION OF THE WILD CAT (*FELIS SILVESTRIS*) IN EUROPE AND AROUND THE MEDITERRANEAN RIM

Stahl,(P) & Artois,(M). 1991: 61 pp. 18 figs. Strasbourg, FRANCE: Council of Europe.

THREATENED PRIMATES OF AFRICA: *The IUCN Red Data Book*

Eds. Lee,(P), Thornback,(J) & Bennett,(E). 1988: 150 pp. 14 b/w photos. An important reference. Gland/Cambridge: IUCN.

TIGERS OF THE WORLD: *The Biology, Biopolitics, Management, and Conservation of an Endangered Species*

Eds. Tilson,(RL) & Seal,(US). Illus. In the last 50 years, Asia's tiger population has plummeted from 100,000 to about 5,000. In this work, 40 world authorities on the subject analyse the status and future for this endangered species. Park Ridge, USA: Noyes Publications.

WALKER'S MAMMALS OF THE WORLD.

Ed. Nowak,(RM). Fifth Edition, 1991: 1,732 pp. 2,103 b/w photos. Covers more than 1,100 genera and 4,000 species of mammal. Each section, well illustrated by means of photographs, covers one genus and includes details of scientific and common names, number and distribution of species, measurements and physical traits, habitat, locomotion, behaviour, population dynamics, range and social life. Available only as a two-volume set, although parts of the book are being released in their own right over the next few years, starting with bats, primates and

Books and Periodicals

carnivores. Baltimore, USA: Johns Hopkins University Press.

WILD DOGS AND THEIR RELATIVES

Jackson,(P) & Sheean-Stone,(O). 1991: 32 pp. 34 col photos. Introduction and overview of the Canid Action Plan. Gland/Cambridge: IUCN.

WORLD CHECKLIST OF THREATENED MAMMALS

Inskipp,(T) & Barzdo,(J). Second Edition, 1993: 160 pp. Updates this IUCN checklist of mammal species listed under CITES, with details of world distribution. Peterborough, UK: Joint Nature Conservation Committee.

A WORLD LIST OF MAMMALIAN SPECIES

Corbet,(GB) & Hill,(JE). Third Edition, 1991: 252 pp. Extensively revised edition of this complete and concise list of the living and recently extinct species of mammal in the world. Over 4,300 species are now listed with scientific name, English name and some of the more commonly used synonyms. Oxford, UK: Oxford University Press.

ZEBRAS, HORSES AND ASSES: *An Action Plan for the Conservation of Wild Equids*

Duncan,(P). 1992: 36 pp. Illus. Gland/Cambridge: IUCN.

Zoology: Birds

BIODIVERSITY AND CONSERVATION IN THE CARIBBEAN: *Profiles of Selected Islands*

Johnson,(TH). 1988: 144 pp. Tabs. Provides profiles for eleven islands. Cambridge, UK: International Council for Bird Preservation/BirdLife International.

THE BIRDS OF AFRICA.

Fry,(KU). 1982: An authoritative reference work that will number seven volumes on completion. It covers all breeding species in full, with details of range, status, description, voice habits, and breeding, with sparser details for non-breeding visiting birds. Four volumes have been published so far. London, UK: Academic Press.

The BIRDS of CITES: *And How to Identify Them*

Erritzoe,(E). 1993: 199 pp. 100+ col plates, map. Manual for identifying all birds listed in Appendices I, II and III of CITES, the Convention on International Trade in Endangered Species. Cambridge, UK: Lutterworth Press.

BIRD CENSUS TECHNIQUES

Bibby,(CJ), Hill,(DA) & Burgess,(ND). 1992: 257 pp. Figs, tabs, diags. A concise guide to the various bird census techniques, their advantages and their drawbacks, using actual and theoretical case studies. London, UK: Academic Press.

BIRDS IN EUROPE : *Their Conservation Status*

Tucker,(G), Heath,(MF), Tomialojc,(L) & Grimmett,(RFA). 1994: 600 pp. Maps. Presents the first thorough and detailed review of the conservation status of European birds. Detailed information on breeding and wintering populations is given for all species in each European country. The text reviews population sizes and trends for threatened species, with the nature of the threats discussed, and basic measures needed to conserve both the species and its habitat. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *BirdLife Conservation Series 3*

BIRDS: A GUIDE TO THE LITERATURE

Miller,(MA). 1986: 903 pp. Bibliography of ornithological literature published from 1800 to 1984. Hamden, USA: Garland Publishing.

A Sourcebook for Conservation and Biological Diversity Information

BIRD POPULATION STUDIES: *Relevance to Conservation and Management*

Eds. Perrins,(CM), Lebreton,(JD) & Hiron,(GJM). 1993: 650 pp. 155 line illus. Oxford, UK: Oxford University Press. *Oxford Ornithology Series*

BIRDS OF SOUTH AMERICA.

Ridgely,(RS) & Tudor,(G). A four volume series which will eventually cover all the 3,000 plus species of resident and migrant birds, and will provide the most complete guide to the South American avifauna available. Two volumes are now available, with volumes 3 and 4 due near the end of the decade. Oxford, UK: Oxford University Press.

BIRD TRAPPING AND BIRD BANDING: *A Handbook for Trapping Methods all over the World*

Bub,(H), Hamerstrom,(F) & Wuertz-Schaefer,(K). Illus by Noll,(W) & Raddatz,(E). 1991: 448 pp. 456 photos & line drawings. Ithaca, USA: Cornell University Press.

BIRDS TO WATCH 2: *The BirdLife International World Checklist of Birds*

Collar,(NJ), Crosby,(MJ) & Stattersfield,(AJ). Second Revised Edition, 1994: 320 pp. Completely revised edition of this major checklist, with c.1,200 species identified as globally threatened, based on the latest IUCN criteria. For each species, details are given of their distribution, habitat requirements, population numbers and trends. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *BirdLife Conservation Series* 4

BIRDS OF THE WORLD : *A Check List*

Clements,(JF). Fourth Edition, 1991: 617 pp. Revised edition, listing 9,700 species, with a complete scientific index. This edition uses the new species treatment from Sibley & Munroe's *Distribution and Taxonomy of Birds of the World*. Vista, USA: Published by the author.

BIRDS OF THE WORLD: *A Check List - Supplement No.1 & English Name Index*

Clements,(JF). 1992: 68 pp. First annual supplement to the fourth edition. Includes new species discovered since publication, update of status of rare and endangered species, complete English name index, and addenda / errata to the fourth edition. Vista, USA: Published by the author.

THE BIRDS OF THE WESTERN PALEARCTIC: *Handbook of the Birds of Europe, the Middle East and North Africa.*

BWP is the most important ornithological reference in print. It takes account of the great advances that have been made in ornithology since the publication of the *Handbook of British Birds* by HF Witherby, et al in 1938-41. It has been a massive undertaking and is unlikely to be replaced for many years. The series comes in nine volumes, with various related works to follow in the future. Oxford, UK: Oxford University Press.

THE BLACK ROBIN: *Saving the World's Most Endangered Bird*

Merton,(D) & Butler,(D). 1993: 294 pp. 50 col & 30 b/w photos, 10 line illus, 40 maps & figs. Oxford, UK: Oxford University Press.

CHECKLIST OF BIRDS OF THE AFROTROPICAL AND MALAGASY REGIONS.

Dowsett,(R). 1993/5: 750 pp., in 2 vols. Set that updates the previous works on the taxonomy of African bird species. All scientific, French and English names are listed. Liege, BELGIUM: Tauraco Press

A COMPLETE CHECKLIST OF THE BIRDS OF THE WORLD

Howard,(R) & Moore,(A). 1991: 704 pp. An authoritative work, listing approximately 9,200 species and their sub-species. London, UK: Academic Press.

CONSERVATION OF ISLAND BIRDS

Ed. Moors,(PJ). 1985: 276 pp. 200 of the 217 species or races of birds which are known to have become extinct

Books and Periodicals

in the last 4 centuries were found on islands. This book surveys the problems specifically associated with the conservation of threatened birds on offshore islands. Cambridge, UK: International Council for Bird Preservation/BirdLife International.

CONSERVING MIGRATORY BIRDS: *ICBP Technical Publication No.12*

Salathe,(T). 1991: 393 pp. B/w photos, figs. Presents examples of migratory bird conservation projects from around the world, and establishes a framework on which future conservation work is to be based. Cambridge, UK: International Council for Bird Preservation/BirdLife International.

CONSERVATION OF TROPICAL FOREST BIRDS

Eds. Diamond,(AW) & Lovejoy,(TE). 1985: 324 pp. Contains 21 papers written by leading experts. Cambridge, UK: International Council for Bird Preservation/BirdLife International.

COUNTING BIRDS: *A Guide to Assessing Numbers, Biomass, and Diversity of Afrotropical Birds*

Pomeroy,(D). 1992: 48 pp. Figs, maps. Nairobi, KENYA: African Wildlife Foundation. *AWF Technical Handbook Series No.6*

DIRECTORY OF NEOTROPICAL ORNITHOLOGY

Rosenberg,(KV) & Wiedenfeld,(DA). Second Edition, 1993: 131 pp. Invaluable reference for ornithologists working in the neotropics, covering information on ornithological research, education, conservation, and regulations in more than forty countries. Winfield, USA: American Ornithologists' Union.

ECOLOGY AND CONSERVATION OF NEOTROPICAL MIGRANT LANDBIRDS

Eds. Hagan,(JM) & Johnston,(DW). 1992: 609 pp. 1 col, 45 b/w illus. The first technical volume to focus exclusively on the question of northern hemisphere migratory landbird declines and their conservation. Washington, DC, USA: Smithsonian Institution Press.

THE HANDBOOK OF AUSTRALIAN, NEW ZEALAND AND ANTARCTIC BIRDS.

Major new work, which when complete will cover all species for the region, including those recently extinct. It is planned to cover six volumes, and will be the most authoritative and complete handbook of birds of the region. Two volumes have been published so far, with Volume 3 scheduled for 1995. Oxford, UK: Oxford University Press.

HANDBOOK OF THE BIRDS OF THE WORLD: *A 12-Volume manual of all the birds of the world.*

Eds. Del Hoyo,(J), Elliott,(A) and Sargatal,(J). The aim of this ambitious project is to describe and illustrate all 9,000+ bird species, and distinctive subspecies of the world's birds. It is not intended to be an identification guide, more a comprehensive manual to be used alongside existing identification guides. All species groups covered have details on taxonomy, distribution, habitat, breeding, and movements, and is the first major work to include details of status and conservation. Both volume one and two have been published. Barcelona, SPAIN: Lynx Promocions.

IMPORTANT BIRD AREAS IN THE MIDDLE EAST.

Evans,(MI). 1994: 410 pp. Maps, line illus. The first inventory of sites vital for bird conservation in the Middle East. Some 300 sites are described from the Levant and Arabia to Afghanistan. For each, details are given for habitats, important species, threats and conservation issues. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *BirdLife Conservation Series 2*

IMPORTANT SEABIRD SITES IN THE MEDITERRANEAN

Sultana,(J). 1993: 64 pp. 30 col photos, line illus, 1 map. Lists 139 sites, with a brief description, threats and importance for each. Valletta, MALTA: Malta Ornithological Society.

KEY FORESTS FOR THREATENED BIRDS IN AFRICA: *Seventy-five Forests Important for Bird Species at Risk*

Collar,(NJ) & Stuart,(SN). 1988: 102 pp. A monograph from ICBP, in collaboration with the IUCN Species Survival Commission. Cambridge, UK: International Council for Bird Preservation/BirdLife International.

A Sourcebook for Conservation and Biological Diversity Information

MANUAL TO THE CONSERVATION OF ASIAN HORNBILL

Poonswad,(P) & Kemp,(AC). 1994: 562 pp. 42 illus, 100 photos, 72 maps. In three parts: part 1 gives information on evolution, identification, biology and ecology of all species of Asian Hornbill; part 2 covers study techniques; part 3 presents Proceedings of the 1st International Workshop on Conservation of Asian Hornbills and their Habitats, 1992, with status and distribution reports for 12 countries. Bangkok, THAILAND: Asian Hornbill Project.

MANAGING WATERFOWL POPULATIONS

Ed. Matthews,(GVT). 1990: 230 pp. Figs, tabs, maps. Proceedings of an IWRB Symposium Astrakhan, USSR, 1989. Contains important data on current distribution and status of world species, conservation of threatened species, and management strategies. Slimbridge, UK: International Waterfowl and Wetlands Research Bureau. *Special Publication 12*

MONITORING BIRD POPULATIONS: *A Manual of Methods Applied in Finland*

Koskimies,(P) & Vaisanen,(RA). 1991: 144 pp. maps, tables. Presents standard instructions for bird censuses and other monitoring projects. Helsinki, FINLAND: Zoological Museum, Finnish Museum of Natural History.

NEW WORLD PARROTS IN CRISIS: *Solutions from Conservation Biology*

Eds. Beissinger,(SR) & Snyder,(NFR). 1992: 288 pp. 9 b/w illus. Reviews status, threats and conservation measures for the neotropical parrot species. Washington, DC, USA: Smithsonian Institution Press.

PRIORITY AREAS FOR THREATENED BIRDS IN THE NEOTROPICS.

Wege,(DC) & Long,(AJ). 1995: c.370 pp. Maps. The aim of this book is to make the information in *Threatened Birds of the Americas* (ICBP/IUCN/Smithsonian Institution Press, 1992) more accessible. It gives a regional and country-by-country breakdown of priority and protected areas, with 2 maps per country showing their location. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *BirdLife Conservation Series 5*

RAPTOR CONSERVATION TODAY

Eds. Chancellor,(RD) & Meyburg,(BU). 1994: 800 pp. Maps, tabs, line illus. Presents the proceedings of the IVth World Conference on Birds of Prey and Owls, held in Berlin, 1993. Mountfield, UK: Pica Press.

RAPTOR MANAGEMENT TECHNIQUES MANUAL

Eds. Pendleton,(BA), Millsap,(BA), Cline,(KW) & Bird,(DM). 1987: 420 pp. B/w photos, figs. Looseleaf, with ringbinder. Welcome reprint of this invaluable manual, covering field research, management and laboratory research techniques. Washington, USA: National Wildlife Federation.

SEABIRDS ON ISLANDS: *Threats, Case Studies and Action Plans*

Eds. Nettleship,(DN), Burger,(J) & Gochfeld,(M). 1994: 318 pp. Maps, figures. The first of a series from BirdLife International (formerly ICBP) which replaced the original ICBP Technical Publications. This volume forms the proceedings of the Seabird Specialist Group Workshop held in New Zealand in 1990, and contains summaries and analyses of problems facing seabirds around the world. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *BirdLife Conservation Series 1*

SEABIRD STATUS AND CONSERVATION: *A Supplement.*

Ed. Croxall,(J). 1991: 308 pp. 11 figs. Cambridge, UK: International Council for Bird Preservation/BirdLife International. *ICBP Technical Publication No.11*

STATUS AND CONSERVATION OF SEABIRDS: *Ecogeography and Mediterranean Action Plan*

Aguilar,(JS), Monbailliu,(X) & Paterson,(AM). 1993: 386 pp. Maps, tabs. Proceedings of the 2nd Symposium on Mediterranean Seabirds, organised by MEDMARAVIS in Calvia. Articles are in English or Spanish, but with summaries in both languages. Madrid, SPAIN: Sociedad Española de Ornitología.

Books and Periodicals

THREATENED BIRDS OF THE AMERICAS: *The ICBP/IUCN Bird Red Data Book, Part 2*

Collar,(NJ) et al. 1992: 1150 pp. Gives data on all threatened species from the Caribbean, Latin America, North America and the eastern Pacific Islands. Covers distribution, population, ecology, threats and conservation measures. Washington, DC, USA: Smithsonian Institution Press.

THREATENED BIRDS OF AFRICA AND ITS RELATED ISLANDS: *ICPB/IUCN Bird Red Data Book, Part 1*

Eds. Collar,(NJ) & Stuart,(SN). 1985: 798 pp. 12 col plates. Washington, DC, USA: Smithsonian Institution Press.

WATERFOWL POPULATION ESTIMATES

Eds. Rose,(PM) & Scott,(DA). 1994: 102 pp. Line drawings, figs. Reviews the size and status of the world's waterbird populations, and aims to promote the Ramsar Convention by identifying wetlands for potential designation to the Ramsar List. Some 1,824 distinct biogeographic populations of waterfowl from 833 species worldwide are identified. An important document, of value to anyone involved in wetland or waterbird conservation. Slimbridge, UK: International Waterfowl and Wetlands Research Bureau. *Special Publication 29*

A WORLD CHECKLIST OF BIRDS

Monroe,(BL) & Sibley,(CG). 1993: 400 pp. Full checklist based on the Sibley-Ahlquist-Monroe classification. It gives Latin and English names for 9,702 living bird species based on the 1990 work and its 1993 Supplement. Also given are abbreviated geographic distributions, and spaces for checking species observed in the field, or brief notes. New Haven, USA: Yale University Press.

WORLD CHECKLIST OF THREATENED BIRDS

Norton,(J) et al. Third Edition, 1993: 325 pp. Peterborough, UK: Joint Nature Conservation Committee.

Zoology: Reptiles & Amphibians

CONSERVATION OF EUROPEAN REPTILES AND AMPHIBIANS

Ed. Corbett,(K). 1989: 274 pp. 15 col photos, 37 figs, 3 tabs. Country-by-country account of the most threatened species, which identifies critical habitats for them. It includes precise recommendations for preventing further damage to, or improving, the habitats concerned, and as such constitutes an action plan, which is endorsed by IUCN. London, UK: Christopher Helm.

CROCODILES: *An Action Plan for their Conservation*

Eds. Messel,(H), King,(FW) & Ross,(JP). 1992: 136 pp. B/w photos, figs, distribution maps. Gland/Cambridge: IUCN.

CROCODILIAN, TUATARA, AND TURTLE SPECIES OF THE WORLD: *A Taxonomic and Geographic Reference*

Eds. King,(FW) & Burke,(RL). 1989: 216 pp. Over 60 b/w illus. An annotated checklist of 271 species. Washington, USA: Association of Systematics Collections.

DECLINE OF THE SEA TURTLES: *Causes and Prevention*

Edited by the National Research Council Committee on Sea Turtle Conservation, USA. 1991: 151 pp. Illus. An investigation into the threats to the world's sea turtle population, with comprehensive information on all the world's species. Washington, USA: National Academy Press.

LIZARDS OF THE WORLD: *A Checklist*.

Welch,(KRG). Series of six planned volumes, with details of distribution and taxonomy. Taunton, UK: KCM Books.

A Sourcebook for Conservation and Biological Diversity Information

MARINE TURTLES IN THE MEDITERRANEAN : *Distribution, Population Status, Conservation*
Groombridge,(B). 1990: 98 pp. 2 maps, tabs. Strasbourg, FRANCE: Council of Europe. *Nature and Environment Series 48*

MEASURING AND MONITORING BIOLOGICAL DIVERSITY: *Standard Methods for Amphibians*
Ed. Heyer,(RW) et al. 1994: 320 pp. Illus. Invaluable data on standardised methods for biodiversity sampling of amphibians. Washington, DC, USA: Smithsonian Institution Press.

A REVISED CHECKLIST WITH DISTRIBUTION MAPS OF THE TURTLES OF THE WORLD
Iverson,(JB). 1992: 370 pp. 270 distribution maps, line drawings. Substantial revision of the author's 1986 Checklist. The most comprehensive guide to the scientific nomenclature of the turtles of the world. Richmond, Indiana, USA: Published by the author.

SEA TURTLES OF THE WORLD: *An Annotated and Illustrated Catalogue of Sea Turtle Species Known to Date*
Marquez,(MR). 1990: 82 pp. 42 figs. Rome, ITALY: Food and Agriculture Organisation. *Fisheries Synopsis No.125: Species Catalogue 11*

TURTLES OF THE WORLD
Ernst,(CH) & Barbour,(RW). 1992: 314 pp. 50 col & 143 b/w illus, 21 line drawings. Classic text. Washington, DC, USA: Smithsonian Institution Press.

A WORLD CHECKLIST OF THREATENED AMPHIBIANS AND REPTILES.
Fifth Edition, 1993: 109 pp. Peterborough, UK: Joint Nature Conservation Committee.

Zoology: Fishes, Echinoderms & Molluscs

CHECKLIST OF THE FISHES OF THE EASTERN TROPICAL ATLANTIC (CLOFETA)
Ed. Quero,(JC) et al. 1990: 1,492 pp., in 3 volumes. Covers 236 families, 757 genera and 1,572 species / subspecies. Text in English with French preface. This text is intended as a precursor to a full taxonomic work, and as a parallel work to the *Fishes of the North-Eastern Atlantic and the Mediterranean*. It covers the area 30 degrees West to the African coast, and 30 degrees South to 30 degrees North. Paris, FRANCE: UNESCO.

A CLASSIFICATION OF THE LIVING MOLLUSCA
Eds. Abbott,(RT) & Boss,(K). 1989: 188 pp. The most recent and complete classification of all living molluscs from classes and orders through families to genera and subgenera, with all their synonyms. It embraces 15,310 names, 4,500 accepted genera and subgenera arranged in systematic order. Melbourne, Florida, USA: American Malacologists.

THE CONSERVATION BIOLOGY OF MOLLUSCS
Ed. Kay,(A). 1995: 200 pp. Proceedings of a symposium held at the 9th International Malacological Congress, 1986. More than a thousand species of molluscs are threatened by habitat destruction, over-collection, or predation by alien species. The nine papers and five abstracts in this volume summarise the current state of molluscan diversity. Gland/Cambridge: IUCN.

FAO SPECIES CATALOGUE: *FAO Fisheries Synopses Number 125*
A series of papers prepared under the UNDP / FAO Project for the Survey and Identification of World Marine Fish Resources. Each volume provides comprehensive illustrated keys to all orders and families. Rome, ITALY: Food and Agriculture Organisation.

FISHES OF THE WORLD
Nelson,(JS). Third Edition, 1994: 550 pp. 200 charts and tabs, line drawings. Chichester, UK: John Wiley & Sons.

Books and Periodicals

Zoology: Arthropods & Other Invertebrates

THE BEETLES OF THE WORLD: *Les Coléoptères du Monde*

The most important series ever published on coleoptera. Text is in English and French, and illustrated with high quality photographs. Venette, FRANCE: Sciences Nat.

THE CONSERVATION BIOLOGY OF LYCAENIDAE (BUTTERFLIES)

Ed. New,(TR). 1993: 173 pp. Using the expertise of experienced butterfly conservationists and drawing on the large literature of lycaenid biology, this volume includes an introduction to the species, regional overviews and selected case-histories. Gland/Cambridge: IUCN.

ECOLOGY AND CONSERVATION OF BUTTERFLIES

Ed. Pullin,(A). 1994: 320 pp. Illus. Summarises the current state of butterfly ecology and biodiversity around the world, highlighting strategies presently used to conserve various species. London, UK: Chapman & Hall.

HYMENOPTERA AND BIODIVERSITY

Eds. LaSalle,(J) & Gauld,(ID). 1993: 348 pp. Illus. Wallingford, UK: CAB International.

HYMENOPTERA OF THE WORLD: *An Identification Guide to Families*

Goulet,(H) & Huber,(JT). 1993: 668 pp. B/w illus, figs. Ottawa, CANADA: Canadian Government Publishing Centre/Canada Communication Group.

IDENTIFICATION GUIDE TO ANT GENERA OF THE WORLD

Bolton,(B). 1994: 224 pp. 531 halftones. Illustrated keys to all the living ant subfamilies and genera, presented in alphabetical order and separated by zoo-geographical region. Designed for the amateur as well as the professional, this book includes information on the function and use of identification keys, instructions for preparing specimens and a glossary. Cambridge, Mass, USA: Harvard University Press.

IMM'S GENERAL TEXTBOOK OF ENTOMOLOGY.

Richards,(OW) & Davies,(RG). Tenth Edition, 1977: 1,354 pp., in two volumes. Textbook for all workers in the field. A classic reference. London, UK: Chapman & Hall.

THE INSECTS: *An Outline of Entomology*

Gullan,(PJ) & Cranston,(PS). 1994: 491 pp. 200 line illus. Overview rather than identification guide. London, UK: Chapman & Hall.

LIBRO ROSSO DELLE FARFALLE ITALIANE / ITALIAN BUTTERFLY RED DATA BOOK

Prola,(G) & Prola,(C). Illus. Cassola,(F). 1990: 71 pp. 16 col plates, 3 pp. of distribution maps. Information on distribution, abundance and status. Milan, ITALY: WWF Italia.

SWALLOWTAIL BUTTERFLIES: *An Action Plan for their Conservation*

Eds. New,(TR) & Collins,(NM). 1991: 36 pp. 12 col photos, 2 maps, tabs. Gland/Cambridge: IUCN.

THREATENED SWALLOWTAIL BUTTERFLIES OF THE WORLD: *The IUCN Red Data Book*

Collins,(M) & Morris,(MG). 1986: 408 pp. 8 col plates. First worldwide analysis of the conservation requirements of the Papilionidae. Contains detailed reviews of the 78 species threatened on a world scale. Gland/Cambridge: IUCN.

THE TORRE-BUENO GLOSSARY OF ENTOMOLOGY

Compiled by Nichols,(SW). Revised Edition, 1989: 840 pp. The most important reference for entomological terms in the English language. Its value is greatly enhanced by the thorough revision undertaken for this edition. New York, USA: New York Entomological Society.

A Sourcebook for Conservation and Biological Diversity Information

Botany

BOTANIC GARDENS AND THE WORLD CONSERVATION STRATEGY

Ed. Bramwell,(D). 1988: London, UK: Academic Press.

CITES CACTACEAE CHECKLIST

Ed. Hunt,(D). 1992: 190 pp. All genera and species are listed with their current taxonomic status, and there are also geographical lists of taxa. Kew, UK: Royal Botanic Gardens.

CONSERVATION OF MEDICINAL PLANTS

Eds. Akerele,(O), Heywood,(V) & Synge,(H). 1991: 362 pp. Figs. Cambridge, UK: Cambridge University Press.

CONSERVATION TECHNIQUES IN BOTANIC GARDENS

Eds. Hernandez Bermejo,(JE), Clemente,(M) & Heywood,(V). 1990: 205 pp. Proceedings of the International Conference on Conservation Techniques in Botanic Gardens, Cordoba 1987. Koenigstein, GERMANY: Koeltz Scientific Books.

DATABOOK ON ENDANGERED TREE AND SHRUB SPECIES

1987: 524 pp. Intended to draw the attention of decision-makers, scientists and international organisations to the conservation needs of species threatened with extinction or subject to severe genetic depletion. Contains 81 monographs on endangered woody species and provenances. London, UK: HMSO.

ETHNOBOTANY: A METHODS MANUAL.

Martin,(G). 1994: 240 pp. 10 photos, 25 line illus. London, UK: Chapman & Hall. : *Peoples and Plants Conservation Manuals: Volume 1*

FLOWERING PLANTS OF THE WORLD.

Ed. Heywood,(VH). Revised Edition, 1993: 335 pp. Col & b/w plates, maps. Welcome return to print, in paperback, of this classic work. It gives full descriptions for over 300 of the world's families of flowering plant, with notes on distribution, and number of species and genera. London, UK: B T Batsford.

GUIDELINES FOR THE CONSERVATION OF MEDICINAL PLANTS

1992: 52 pp. Outlines the tasks that need to be done to conserve rare and precious medicinal plants. Available in English, French or Spanish. Gland/Cambridge: IUCN.

MANAGEMENT OF ENDANGERED PLANTS

Cropper,(SC). 1994: 182 pp. Figs, illus, maps. Guide to conservation strategies, finding rare plant populations, their monitoring, management techniques, and 10 case studies to demonstrate exactly what can be done. Melbourne, AUSTRALIA: CSIRO.

THE PALM: *Tree of Live - Biology, Utilization and Conservation*

Ed. Balick,(MJ). 1988: 296 pp. New York, USA: New York Botanical Garden.

PLANT RESOURCES OF ARID AND SEMIARID LANDS: *A Global Perspective*

Ed. Goodin,(J). 1985: 338 pp. London, UK: Academic Press.

PROSEA: PLANT RESOURCES OF SOUTH-EAST ASIA

PROSEA is an international project for documenting the plant resources of South-east Asia. Several volumes have been produced covering forages, fruit, pulses, trees, bamboos and rattans. Wageningen, NETHERLANDS: PUDOC.

RARE PLANTS OF THE WORLD

Books and Periodicals

Belousova,(LS) & Denisova,(LV). 1992: 348 pp. 8 col plates, 56 b/w plates. Provides brief descriptions of over 2,000 rare and endangered plants. The rarity categories of the IUCN have been used for characterisation of species. Rotterdam, NETHERLANDS: A A Balkema.

THE USE OF PLANT GENETIC RESOURCES

Eds. Brown,(AHD), Frankel,(OH), Marshall,(DR) & Williams,(JT). 1989: 392 pp. Cambridge, UK: Cambridge University Press.

USEFUL PLANTS OF THE WORLD

Ed. Hotta,(M). Ogata,(K), Nitta,(A), Hosikawa,(K), Yanagi,(M) & Yamazaki,(K). 1989: 1,499 pp. Japanese text, with 20,000 index entries in Japanese, English and Asian languages. Covers 9,000 species of plants. Line illus. Tokyo, JAPAN: Heibonsha.

Evolutionary Biology

EVOLUTION

Ridley,(M). 1992: 544 pp. 271 illus. Major textbook. Integrates all levels of evolutionary biology, including molecular evolution and palaeobiology. Oxford, UK: Blackwell Science.

THE EVOLUTION OF LIFE HISTORIES: *Theory and Analysis*

Roff,(DA). 1992: 536 pp. Figs. Incorporating both genetic and optimization approaches, this book examines the age schedules of maturity and reproduction, the cost of reproduction, the relationships between reproduction and survival, and the evolution of clutch and propagule size. London, UK: Chapman & Hall.

EVOLUTION OF THE VERTEBRATES: *A History of the Backboned Animals Through Time*

Colbert,(EH) & Morales,(M). Fourth Edition, 1991: 500 pp. New York, USA: Alan R Liss.

AN INTRODUCTION TO EVOLUTIONARY ECOLOGY

Cockburn,(A). 1991: 370 pp. 125 line illus & figs. Oxford, UK: Blackwell Science.

TERRESTRIAL ECOSYSTEMS THROUGH TIME: *Evolutionary Paleoecology of Terrestrial Plants and Animals*

Behrensmeyer,(AK) et al. 1992: 552 pp. 7 halftones, 21 line illus, 9 maps, 21 tabs. A complete survey of terrestrial ecological history from 400 million years ago to the beginnings of agriculture. Chicago, USA: University of Chicago Press.

WHY BIG FIERCE ANIMALS ARE RARE

Colinvaux,(P). 1981: 224 pp. Harmondsworth, UK: Penguin Books.

Marine & Freshwater Biology

CORAL REEFS OF THE WORLD.

Edited by Wells,(S), Jenkins,(M) and Sheppard,(C). 1989: 1,070 pp., in 3 volumes. 40 maps. The only directory and source of country maps of coral reefs worldwide ever published, covering, in volume 1, the Atlantic and Eastern Pacific, in volume 2, the Indian Ocean, Red Sea and Gulf, and in volume 3, the Central and Western Pacific. It provides a broad survey of all reefs already protected in national parks and reserves, those proposed for inclusion, and those in need of protection because of their scientific interest or economic importance. Co-published with UNEP. Gland/Cambridge: IUCN.

FRESHWATER ECOLOGY: *Principles and Applications.*

Jeffries,(M) & Mills,(D). London, UK: Belhaven Press.

AN INTRODUCTION TO MARINE ECOLOGY

A Sourcebook for Conservation and Biological Diversity Information

Eds. Barnes,(RSK) & Hughes,(RN). Second Edition, 1988: 351 pp. Figs, tabs. Fully revised edition of this standard text. Oxford, UK: Blackwell Science.

ILLUSTRATED DICTIONARY OF AQUATIC ANIMALS AND PLANTS

Commission of the European Communities. 1993: 900 pp. Illus. Contains information on over 1,400 species of fish, crustaceans, molluscs, seaweeds, and other fishery products. In French, German, Italian, English, Dutch, Danish, Spanish, Portuguese, Greek and Latin. Oxford, UK: Fishing News Books.

MARINE MICROBIOLOGY

Austin,(b). 1988 : 222 pp. Marine bacteria help provide the planet's oxygen, feed fish, and recycle nutrients. A key part of the global ecosystem. Cambridge, UK: Cambridge University Press. **MULTILINGUAL Biology & Ecological Science**

ANIMAL DIVERSITY

Kershaw,(D). 1989: 228 p. Illus. Comprehensive review of the entire animal phyla. London, UK: Unwin Hyman.

MEASURING BEHAVIOUR: *An Introductory Guide*

Martin,(P) & Bateson,(P). Revised Edition, 1993: 232 pp. 3 tabs, 28 line illus. A guide to the principles and methods of quantitative studies of behaviour. Cambridge, UK: Cambridge University Press.

APPLIED ECOLOGY

Newman,(EI). 1993: 352 pp. 75 illus. Describes how the science of ecology can be applied to achieving sustainable use of the world's resources and to combating problems such as pests and diseases, pollutions, global warming, and survival of endangered species. Oxford, UK: Blackwell Science.

ECOLOGY.

Ricklefs,(RE). Third Edition, 1990: 896 pp. 524 illus. Comprehensive introduction to the field, fully updated to include the latest ecological developments. Oxford, UK: W H Freeman.

ECOLOGICAL PRINCIPLES OF NATURE CONSERVATION

Ed. Hansson,(L). 1992: 438 pp. London, UK: Chapman & Hall. *Conservation Ecology: Principles, Practices and Management 1*

FIELD AND LABORATORY METHODS FOR GENERAL ECOLOGY

Ed. Brower,(JE). 1990: 256 pp. 101 illus. London, UK: William C Brown.

GEOGRAPHICAL POPULATION ANALYSIS

Maurer,(B). 1994: 144 pp. In order to understand the problem of decreasing diversity and the solutions to maintaining it, the attention of ecologists must be focused on larger spatial and temporal scales than they are used to. Oxford, UK: Blackwell Science.

AN INTRODUCTION TO BEHAVIOURAL ECOLOGY

Krebs,(JR) & Davies,(NB). Third Edition, 1993: 432 pp. 149 illus. Oxford, UK: Blackwell Science.

THE INTERPRETATION OF ECOLOGICAL DATA: *A Primer on Classification and Ordination*

Pielou,(EC). 1984: 263 pp. Figs. New York, USA: John Wiley & Sons.

MIGRATORY SPECIES IN INTERNATIONAL INSTRUMENTS : *An Overview*

1986: 252 pp. Gland/Cambridge: IUCN. *IUCN Environmental Policy & Law Occasional Paper No.2*

PRACTICAL ECOLOGY

Slingsby,(D) & Cook,(C). 1986: 274 pp. 60 line drawings. London, UK: Macmillan.

Books and Periodicals

SPECIES DIVERSITY IN ECOLOGICAL COMMUNITIES: *Historical and Geographical Perspectives*
Eds. Ricklefs,(RE) & Schluter,(D). 1995: 454 pp. 185 line drawings, 21 maps, 69 tabs. A pioneering work which looks at biodiversity in its broadest historical and geographical contexts. Rather than looking at diversity in local ecological interactions, the text uses new theoretical developments, analyses and case studies to explore the large-scale mechanisms that generate and maintain diversity - to consider global patterns of species richness. Chicago, USA: University of Chicago Press.

TROPICAL ECOLOGY: *A Textbook for Africa*
Pomeroy,(D). 1987: 240 pp. Illus. Harlow, UK: Longman.

A WEALTH OF WILD SPECIES: *storehouse for human welfare*
Myers (N). 1983. Boulder, USA: Westview Press

Ecosystems

APPLIED WETLANDS SCIENCE AND TECHNOLOGY
Kent,(DM). 1994: 300 pp. Describes the fundamentals for defining and regulating wetlands. Other topics include: functions and values of wetlands; ecological assessments; how to minimize impacts on wetlands; wetland enhancement, restoration, creation and monitoring. Boca Raton, USA: Lewis Publishers.

LA CONSERVATION DES ZONES HUMIDES: *Problèmes actuels et mesures à prendre*
Ed. Dugan,(PJ). 1994: 100 pp. B/w photos, tabs. Conservation of wetlands. Text in French. Gland/Cambridge: IUCN.

THE ECOLOGY AND MANAGEMENT OF AFRICAN WETLAND VEGETATION
Ed. Denny,(P). 1985: 344 pp. Dordrecht, NETHERLANDS: Junk (Kluwer).

ECOSYSTEMS OF THE WORLD.

Series Editor, Goodall,(DW). Major reference work, which when complete will comprise the most complete coverage of ecosystems available. Amsterdam, NETHERLANDS: Elsevier.

Volumes available as follows:

- Bioindustrial Ecosystems, 1986;
- Continental Shelves, 1988;
- Coral Reefs, 1991;
- Dry Coastal Ecosystems: Regional Studies (Part B), 1993;
- Estuaries and Enclosed Seas, 1983;
- Field-Crop Ecosystems, 1992;
- Forested Wetlands, 1990;
- Intertidal and Littoral Ecosystems, 1991;
- Lakes and Reservoirs, 1984;
- Managed Aquatic Ecosystems, 1987;
- Managed Grasslands, in 2 vols, 1987 & 1990;
- Mediterranean Type Shrublands, 1981;
- Natural Grasslands: Introduction and Western Hemisphere, 1992;
- Natural Grasslands: Eastern Hemisphere and Resumé, 1993;
- Temperate Broad-Leaved Evergreen Forests, 1983,
- Temperate Deserts and Semi-Deserts, 1983;
- Tropical Rain Forest Ecosystems, in 2 vols, 1989 & due 1996;
- Tropical Savannas, 1983;
- Wet Coastal Ecosystems, 1977;
- Dry Coastal Ecosystems: Polar Regions and Europe, 1993;
- Mires: Swamp, Bog, Fen and Moor: General Studies, 1983;

A Sourcebook for Conservation and Biological Diversity Information

Mires: Swamp, Bog, Fen and Moor: Regional Studies, 1983;
Heathlands and Related Shrublands: Descriptive Studies, 1979;
Heathlands and Related Shrublands: Analytical Studies, 1981;
Hot Deserts and Arid Shrublands, 2 vols, 1985 & 1986;
Temperate Deciduous Forests, 1992.

AN INVENTORY OF BRAZILIAN WETLANDS

Ed. Diegues,(ACS). 1994: 216 pp. B/w maps. Brazil has a great number and variety of wetlands of biological and socio-economic importance. This book provides a synthesis of relevant information evaluating the importance of these ecosystems as well as the various environmental threats to these areas. Gland/Cambridge: IUCN.

MONITORING OF ECOLOGICAL CHANGE IN WETLANDS OF MIDDLE EUROPE: *Proceedings of an International Workshop held in Linz, 1993*

Eds. Aubrecht,(G), Dick,(G) & Prentice,(C). 1994: 224 pp. Illus. Slimbridge, UK: International Waterfowl and Wetlands Research Bureau. *Special Publication 30*

OCEANS

Eds. Elder,(D) & Pernetta,(J). 1991: 200 pp. Illus in colour throughout. Part of the IUCN Conservation Atlases series, this popular reference identifies conservation issues and proposes actions to conserve the marine environment and its diversity. London, UK: Mitchell Beazley.

REEFS AT RISK: A PROGRAMME OF ACTION: *Coral Reefs, Human Use and Global Climate Change*

Hulm,(P) & Pernetta,(J). 1993: 24 pp. Col photos, figs, graphs, tabs. Booklet which looks at the importance of coral reefs and the worldwide threat of ecological collapse. Gland/Cambridge: IUCN.

WETLANDS OF THE WORLD 1: INVENTORY, ECOLOGY AND MANAGEMENT

Eds. Whigham,(DF), Dykijová,(D) & Hejny,(S). 1993: 768 pp. Dordrecht, NETHERLANDS: Kluwer Academic Publishers. *Handbook of Vegetation Science 15/2*

Habitat & Species Conservation: General

BIOLOGICAL HABITAT RECONSTRUCTION

Ed. Buckley,(P). 1989: 224 pp. Photos, diags, maps. Brings together diverse experience and ideas in an accessible and practical handbook, vital for ecological consultants, planners, and environmental managers, as well as ecologists and conservationists. London, UK: Belhaven Press.

CODE OF PRACTICE FOR THE CONSERVATION OF THREATENED ANIMALS AND PLANTS AND OTHER SPECIES OF INTERNATIONAL SIGNIFICANCE

1992: 61 pp. Set of measures agreed by member states of the EEC to conserve species and maintain biodiversity. Includes indicative lists of birds and mammals with a significant proportion of their global population and range in Europe. Geneva, SWITZERLAND: United Nations Publications.

THE CONSERVATION ATLAS OF CHINA

1990: 256 pp. 100 col photos, 90 col maps. This publication documents the status of nature conservation in China, with maps of different natural resource and habitat types, and also of regional and national nature reserves. It also describes man's exploitation of the country's natural resources and the measures being taken to reverse this trend. Beijing, CHINA: Science Press.

THE CONSERVATION OF INSECTS AND THEIR HABITATS

Eds. Collins,(NM) & Thomas,(JA). 1991: 450 pp. Figs. Proceedings of the Fifteenth Symposium of the Royal Entomological Society of London, 1989. London, UK: Academic Press.

Books and Periodicals

ECOSYSTEM MANAGEMENT FOR PARKS AND WILDERNESS

Eds. Agee,(JK) & Johnson,(D). 1989: 249 pp. Figures, tables. Important textbook which identifies the main requirements in tackling the problems of ecosystem management. Seattle, USA: University of Washington Press.

ECOSYSTEM MANAGEMENT: RARE SPECIES AND SIGNIFICANT HABITATS

Eds. Mitchell,(RS), Sheviak,(CJ) & Leopold,(DJ). 1990: 314 pp. Figs, Tabs. Proceedings of the 15th Annual Natural Areas Conference. Albany, USA: New York State Museum. *Bulletin 471*

ECOSYSTEM REHABILITATION.

Ed. Wali,(MK). 1992: 618 pp. in two vols. Contents: Concepts and Strategies; Policy Formulation and Implementation; Agricultural & Grassland Ecosystems; Forest Ecosystems; Wetland and Aquatic Ecosystems. The Hague, NETHERLANDS: SPB Academic Publishing

ECOLOGICAL RESTORATION OF NEW ZEALAND ISLANDS

Eds. Towns,(D), Daugherty,(C) & Atkinson,(I). 1990: 313 pp. Figs, b/w plates. Conference papers, Auckland, 1989. Although based on New Zealand, important for anyone involved in island conservation. Wellington, NEW ZEALAND: Science Publications.

THE ENVIRONMENT IN EASTERN EUROPE: 1990

1991: 64 pp. 1 map. Gland/Cambridge: IUCN. *East European Programme Environmental Research Series*

EUROPEAN RED LIST OF GLOBALLY THREATENED ANIMALS AND PLANTS: *and Recommendations on its Application as Adopted by the Economic Commission for Europe at its 46th Session (1991) by Decision D (46).*

1991: 154 pp. An assessment of animal and plant species whose conservation ought to be strengthened in Europe. Sections cover mammals; birds; reptiles; amphibians; freshwater fishes; invertebrates; single-country endemic vascular plants; and non-endemic vascular plants. Geneva, SWITZERLAND: United Nations Publications.

EVALUATION AND ASSESSMENT FOR CONSERVATION

Spellerberg,(IF). 1992: 260 pp. 15 photos, 20 line drawings. An up-to-date and substantially expanded volume of the author's previous book *Ecological Evaluation for Conservation*, with pertinent examples and case studies from around the world illustrating the issues faced by conservationists. London, UK: Chapman & Hall.

EXPANDING PARTNERSHIPS FOR CONSERVATION

Ed. McNeeley,(JA). 1995: 250 pp. Based on papers presented by leading authorities during the IVth World Parks Congress, plus additional papers specially commissioned for IUCN, this report argues that conservation and protected areas can involve all sectors of society. Gland/Cambridge: IUCN.

HABITAT MANAGEMENT FOR INVERTEBRATES: *A Practical Handbook*

Kirby,(P). 1992: 150 pp. B/w photos, line illus. Invaluable handbook, produced jointly by RSPB and Joint Nature Conservation Committee. Sandy, UK: Royal Society for the Protection of Birds.

INTERNATIONAL HANDBOOK OF NATIONAL PARKS AND NATURE RESERVES

Allin,(C). 1990: 539 pp. 41 figs, 44 tabs. Country-by-country overview of national parks, sanctuaries and conservation measures. Westport, USA: Greenwood Publishing.

INTRODUCTION TO WILDLIFE MANAGEMENT

Shaw,(JH). 1985: 316 pp. Figs. Comprehensive text. Maidenhead, UK: McGraw Hill.

INVENTORY AND MONITORING OF WILDLIFE HABITAT

Eds. Cooperrider,(AY), Boyd,(RJ) & Stuart,(HR). 1986: 858 pp. Comprehensive manual produced by the US Dept of the Interior, Bureau of Land Management. It covers planning of inventory and monitoring projects, and detailed

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methods for major habitat types, species groups, and special studies, as well as analysis and presentation of results. Wilton, USA: ID International.

IUCN PLANT RED DATA BOOK

Lucas,(G) & Synge,(H). 1978: 540 pp. Red Data Sheets on 250 selected plants threatened on a world scale. Gland/Cambridge: IUCN.

LIST OF RARE, THREATENED AND ENDEMIC PLANTS IN EUROPE

1983: 75 pp. Strasbourg, FRANCE: Council of Europe. *Nature and Environment Series 27*

MADAGASCAR: *Revue de la Conservation et des Aires Protégées*

Nicoll,(ME) & Langrand,(O). 1989: 374 pp. B/w photos. Gland, SWITZERLAND: World Wide Fund for Nature.

MANAGING PROTECTED AREAS IN THE TROPICS

Compiled by MacKinnon,(J & K), Child,(G), & Thorsell,(J). 1989: 320 pp. Maps, tables, photos. Multidisciplinary sourcebook for middle and senior managers in the world's 1,750 tropical reserves. Gland/Cambridge: IUCN.

MASTERWORKS OF MAN AND NATURE: *Preserving our World Heritage*

1992: 447 pp. 400 col photos. Illustrated guide to 337 sites on the UNESCO World Heritage List. Gland/Cambridge: IUCN.

NATURE CONSERVATION IN AUSTRIA, FINLAND, NORWAY, SWEDEN, SWITZERLAND, BULGARIA, CZECHOSLOVAKIA, HUNGARY, POLAND, ROMANIA, YUGOSLAVIA AND THE SOVIET UNION.

European Parliament. 1992: 150 pp. Tabs. London, UK: HMSO.

NATIONAL PARKS PLANNING: *A Manual with Annotated Examples*

1988: 105 pp. B/w photos. Rome, ITALY: Food and Agriculture Organisation.

NATURE RESERVES: *Island Theory and Conservation Practice*

Shafer,(CL). 1991: 208 pp. 58 b/w illus. Review of the literature on island biogeography and related subjects, pulling data in from a wide variety of disciplines. The result is a set of basic guidelines for the conservation of fragmented habitats. Washington, DC, USA: Smithsonian Institution Press.

NATURE RESERVES OF THE HIMALAYA AND MOUNTAINS OF CENTRAL ASIA

Green,(MJB). 1993: 312 pp. 36 maps, 8 pp of photos. Bombay, INDIA: OUP India.

PARKS ON THE BORDERLINE: *Experience in Transfrontier Conservation*

Ed. Thorsell,(J). 1990: 98 pp. Illus. Gland/Cambridge: IUCN.

PARKS FOR LIFE: *Action for Protected Areas in Europe*

1994: 150 pp. Col photos, tabs, maps. French, German, and Spanish editions are in preparation. Gland/Cambridge: IUCN.

PARKS AND PROGRESS: *Protected Areas and Economic Development in Latin America and the Caribbean*

Ed. Barzetti,(V). 1993: 240 pp. B/w photos, line illus, figs. Presents synopses of all the workshops held at the IVth World Congress on National Parks and Protected Areas, Caracas, Venezuela 1992. A Spanish edition, PARQUES Y PROGRESO is also available. Gland/Cambridge: IUCN.

PLANTS IN DANGER: *What Do We Know?*

Davis,(SD) et al. 1987: 461 pp. Guide to information on threatened plants, arranged alphabetically by country. Gland/Cambridge: IUCN.

Books and Periodicals

PROTECTED AREAS OF THE WORLD

Four-volume directory published for the IVth World Parks Congress. It is the first world-wide survey of protected area systems. Each volume, covering respectively; Indomalaya, Oceania, Australia, and Antarctica; the Palaeartic; Afrotropics; and, Nearctic and Neotropics, contains a country-by-country description of the region's protected areas system, followed by a summary list and map of the protected areas themselves. Gland/Cambridge: IUCN.

REGIONAL REVIEWS OF PROTECTED AREAS

Ed. McNeely,(JA). 1994: 500 pp. Drawing on the work of the Congress on National Parks and Protected Areas, this volume describes the major issues facing protected areas, both terrestrial and marine, and discusses the approaches needed to address these issues. Gland/Cambridge: IUCN.

REGIONAL STRATEGY FOR ENVIRONMENTAL PROTECTION AND RATIONAL USE OF NATURAL RESOURCES IN EC MEMBER COUNTRIES COVERING THE PERIOD UP TO THE YEAR 2000 AND BEYOND.

1988: 52 pp. Deals with environmental problems of a transnational nature. The critical concerns include: the atmosphere; inland waters and seas; soil protection and land use; forests; wildlife and genetic resources, wastes and toxic hazardous chemicals. Geneva, SWITZERLAND: United Nations Economic Commission for Europe.

RESOLVING AND MANAGING CONFLICT IN PROTECTED AREAS

Lewis,(C). 1995: 100 pp. Describes concepts of conflict management with case studies of approaches used successfully in protected areas around the world. Gland/Cambridge: IUCN.

RESEARCH AND MANAGEMENT TECHNIQUES FOR WILDLIFE AND HABITATS

Ed. Bookhout,(TA). 1994: 700 pp. Illus. Updates and replaces Schemnitz's *Wildlife Management Techniques Manual*, which is now out of print. It is a comprehensive textbook for anyone working on wildlife and related natural resources. Bethesda, USA: Wildlife Society.

UNITED NATIONS LIST OF NATIONAL PARKS AND PROTECTED AREAS 1993

1994: 313 pp. Prepared by WCMC and the IUCN Commission on National Parks and Protected Areas, this is the latest edition of the definitive list of protected areas which have been legally designated for conservation purposes. It includes lists of World Heritage Sites, Biosphere Reserves and Wetlands of International Importance, together with maps, a section of analytical graphs and tables, and theme chapters on transfrontier reserves, the forestry sector, the private sector and indigenous reserves. An electronic version of the data is also available. Gland/Cambridge: IUCN.

WILDLIFE ECOLOGY AND MANAGEMENT

Robinson,(L) & Bolen,(EG). Second Edition, 1989: 620 pp. B/w photos, line illus, figs. Focuses on the principles and practices used in restoring and managing wildlife on a sustainable basis. Hemel Hempstead, UK: Prentice-Hall.

WILDLIFE FIELD RESEARCH AND CONSERVATION TRAINING MANUAL

Rabinowitz,(A). 1993: 281 pp. Figs, maps, line illus. This invaluable manual is designed for teaching field research and wildlife management techniques to park staff and other land managers in developing countries, specifically in Asia. Based on first-hand experience, it includes well-tested field exercises for both junior and senior park staff, and covers such topics as using survey equipment, making field observations, tracks and signs, census techniques, protected areas management techniques, captive breeding and introduction, and radiotelemetry. New York, USA: The Wildlife Conservation Society.

THE WILDERNESS GUARDIAN: *A Practical Handbook*

Corfield,(T). Second Edition, 1994: 700 pp. Illus. Practical field manual for wildlife conservation in Africa. It gives information on survival in the wild, animal behaviour, vehicle maintenance, game management and much more. Southwell, UK: Leishman & Taussig.

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WILDERNESS MANAGEMENT

Hendee,(JC), Stanke,(GH) & Lucas,(RC). 1990: 546 pp. 162 b/w photos, 1 map. Comprehensive manual on wilderness management. Colorado, USA: International Wilderness Leadership Foundation.

THE WORLD'S GREATEST NATURAL AREAS: *An Indicative Inventory of Natural Sites of World Heritage Quality*

Commission on Natural Parks and Protected Areas. 1982: 67 pp. B/w photos. Gland/Cambridge: IUCN.

WORLD HERITAGE: THE FIRST TWENTY YEARS

Eds. Thorsell,(J) & Sawyer,(J). 1992: 160 pp. Proceedings of a workshop held in Venezuela in 1992. Discusses the management of World Heritage sites. Gland/Cambridge: IUCN.

Habitat & Species Conservation: Conservation Biology & Biodiversity

AFRICAN BIODIVERSITY: Foundation for the Future: a Framework for Integrating Biodiversity Conservation and Sustainable Development

Biodiversity Support Program. 1993: 149 pp. Washington, USA: WWF-BSP.

LA BIODIVERSITÉ, ENJEU PLANETAIRE: *Préserver notre Patrimoine Génétique*

Chauvet,(M) & Olivier,(L). 1993: 413 pp. Paris, FRANCE: Editions Sang de la Terre.

BIODIVERSITY

Wilson (EO). 1988 : 521. The results of the 1986 National Forum on Biodiversity in 57 chapters. Now in its ninth printing. Washington, USA: National Academy Press.

BIODIVERSITY, CULTURE, CONSERVATION AND ECODEVELOPMENT

Eds. Oldfield (ML) & Alcorn (JB). 1991 : 349 pp. San Francisco, USA: Westview Press

BIODIVERSITY INDICATORS FOR POLICYMAKERS

Reid,(WV) et al. 1993: 42 pp. Much needed paper that provides a framework for assessing biodiversity conditions and trends at local, national, and global levels. It presents 22 indicators that can guide conservation decision-making by helping planners to set priorities, by influencing new policies, and by providing information to determine whether policy goals have been achieved. Washington, USA: World Resources Institute.

BIODIVERSITY PROSPECTING: *Using Genetic Resources for Sustainable Development*

Reid,(WV). 1993: 341 pp. Provides systematic guidelines for establishing effective and equitable schemes for biodiversity prospecting. Washington, USA: World Resources Institute.

BIODIVERSITY: *Social and Ecological Consequences*

Shiva,(V), Anderson,(P), Schucking,(H), Gray,(A), Lohmann,(L) & Cooper,(D). 1995: 144 pp. Examination of the Global Biodiversity Strategy. London, UK: Zed Books.

BIOLOGICAL DIVERSITY, CONSERVATION AND THE LAW: *Legal Mechanisms for Conserving Species and Ecosystems*

de Klemm,(C). 1993: 292 pp. A highly important working document, this book covers the full spectrum of legal mechanisms available for conserving biological diversity. Contents: the development of international conservation law; species-based conservation and the law; area-based conservation and the law. Gland/Cambridge: IUCN. *Environmental Policy and Law Papers 29*

BIOPHILIA

Wilson,(EO). 1984: 157 pp. Eloquent statement of the conservation ethic and a new perspective on our place within the richness of species diversity. Cambridge, MA, USA: Harvard University Press.

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CONSERVATION BIOLOGY: *The Theory and Practice of Nature Conservation Preservation and Management*
Eds. Fielder,(PL) & Subodh,(KJ). 1992: 507 pp. Brings together a diverse group of scientists and theorists to discuss the subject. London, UK: Chapman & Hall.

CONSERVATION BIOLOGY IN AUSTRALIA AND OCEANIA
Eds. Moritz,(C), Kikkawa,(J) & Doley,(D). 1995: 500 pp. Col & b/w illus, line illus. Chipping Norton, New South Wales, AUSTRALIA: Surrey Beatty & Sons.

CONSERVING BIODIVERSITY: AN AGENDA FOR DEVELOPMENT AGENCIES
National Research Council. 1992. Washington, USA: National Academy Press

CONSERVING BIOLOGICAL DIVERSITY IN MANAGED TROPICAL FORESTS
Eds. Blockhus,(JM), Dillenbeck,(M), Sayer,(JA) & Wegge,(P). 1992: 244 pp. Figs, maps, tabs. French and Spanish editions are in preparation. Gland/Cambridge: IUCN. *Forest Conservation Programme 9*

CONSERVING BIOLOGICAL DIVERSITY: *A Strategy for Protected Areas in the Asia-Pacific Region*
Braatz,(S) et al. 1993: 66 pp. 3 maps, tabs. Washington, USA: World Bank.

CONSERVATION BIOLOGY: *An Evolutionary-Ecological Perspective*
Soule,(ME) & Wilcox,(BA). 1980: 395 pp. Illus, figures, tables. Framework for understanding both the theoretical and practical elements of conservation. New York, USA: Sinauer Associates.

CONSERVATION BIOLOGY: *The Science of Scarcity and Diversity*
Ed. Soule,(ME). 1986: 584 pp. Tabs and figs. Provides a synthesis of scientific foundation of the protection and management of biodiversity. New York, USA: Sinauer Associates.

CONSERVATION BIOLOGY: *A Training Manual for Biological Diversity and Genetic Resources*
Eds. Kapoor-Vijay,(P) & White,(J). 1992: 248 pp. Figs, tabs. Intended to provide a training framework for anyone involved in resource management and conservation. London, UK: Commonwealth Secretariat.

CONSERVATION AND EVOLUTION
Frankel,(OH) & Soule,(ME). 1981: 327 pp. Cambridge, UK: Cambridge University Press.

CONSERVATION EXPERTISE: A DIRECTORY OF CONSERVATION RELATED RESEARCH AND TECHNICAL SKILLS
Ed. Adcock (HM). 1994. Wellington, NEW ZEALAND: Department of Conservation

CONSERVING THE WORLD'S BIOLOGICAL DIVERSITY
McNeely,(J). 1990: 193 pp. Photos, graphs, tabs. A joint IUCN/WRI/WWF & World Bank publication, covering a variety of topics, such as: what is biodiversity?; why it is important; ethical and economic values; how and why it is threatened; and, how it might be conserved more efficiently. Gland/Cambridge: IUCN.

LA DIVERSIDAD BIOLOGICA DE IBEROAMERICA
1993: 389 pp. Xalapa Ver., MEXICO: Ciencia y Tecnologia Para ed Desarrollo

THE DIVERSITY OF LIFE
Wilson,(EO). 1992: 256 pp. Illus in col & b/w throughout. Readable and well-illustrated survey of the evolution of diversity and the threat of extinction which threatens so many species. Harmondsworth, UK: Penguin Books.

THE ECONOMIC VALUE OF BIODIVERSITY
Pearce,(D) & Moran,(D). 1994: 172 pp. Gland, SWITZERLAND: IUCN.

A Sourcebook for Conservation and Biological Diversity Information

ECONOMICS AND BIOLOGICAL DIVERSITY: *Developing and Using Economic Incentives to Conserve Biological Resources*

McNeely,(JA). 1989: 250 pp. Explains how and why economic inducements are likely to be the best way of attaining a sustainable use of such resources as forests, savannas, mountains, wetlands, and the seas. Gland/Cambridge: IUCN.

THE EXPENDABLE FUTURE: U.S. POLITICS AND THE PROTECTION OF BIOLOGICAL DIVERSITY

Tobin (R). 1991. Durham, USA: Duke University Press

GENETIC RESOURCES: *A Practical Guide to their Conservation*

Querol,(D). 1993: 252 pp. Provides a unique description of the practical problems of and possible solutions for the collection, conservation and use of Third World genetic resources. A vital text for NGOs working in this field, developmentalists, agricultural scientists and botanists. London, UK: Zed Books.

GLOBAL BIODIVERSITY STRATEGY: *Guidelines for Action to Save, Study, and Use Earth's Biotic Wealth Sustainably and Equitably*

WRI, IUCN, UNEP. 1992: 250 pp. Summary of three years' collaboration by these three organisations. Available in English, Spanish, and French language versions. Washington, USA: World Resources Institute.

GLOBAL BIODIVERSITY STRATEGY; A POLICY-MAKERS' GUIDE

WRI, IUCN, UNEP. 1992: 35 pp. Washington, USA: WRI.

GLOBAL BIODIVERSITY: *Status of the Earth's Living Resources*

WCMC. 1992: 450 pp. Comprehensive compendium of global biodiversity statistics drawn from 208 countries. Presented in tables, maps, graphics. London, UK: Chapman & Hall.

GLOBAL WARMING AND BIOLOGICAL DIVERSITY

Eds. Peters (RL) & Lovejoy (TE). 1992: 386 pp. Based on a WWF- sponsored conference on the topic on 4-6 October 1988 in Washington. New Haven, USA: Yale University Press.

GREEN INHERITANCE: *The World Wildlife Fund Book of Plants*

Huxley,(A). 1991: 193 pp. Col photos, illus. History, description and illustration of the world's threatened plants. Stroud, UK: Gaia Books.

A GUIDE TO THE CONVENTION ON BIOLOGICAL DIVERSITY

Glowka,(L), Burhenne-Guilmin,(F), Syngé,(H), McNeely,(JA) & Gundling,(L). 1994: 162 pp. The Convention on Biological Diversity is a commitment by the nations of the world to conserve biological diversity, to use biological resources sustainably and to share equitably the benefits arising from the use of genetic resources. It is the first global agreement to address comprehensively all aspects of biological diversity. This work aims to promote greater understanding of the Convention's text and its possible implications. Gland/Cambridge: IUCN.

INVESTING IN BIOLOGICAL DIVERSITY: *U.S. Research and Conservation Efforts in Developing Countries*

Abramovitz (JN). 1991 : 94 pp. Washington, USA: WRI.

IN VITRO METHODS FOR CONSERVATION OF PLANT GENETIC RESOURCES

Ed. Dodds,(JH). 1991: 247 pp. Illus. London, UK: Chapman & Hall.

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Reid (WV) & Miller (KR). 1989: 120 pp. Washington, USA: WRI.

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Fitzgerald,(S). 1989: 480 pp. Guidebook to the international commerce in wildlife and wildlife products, which explains international and national laws governing this trade, problems with poaching and smuggling of endangered species, and environmental and economic consequences of inadequate control. Washington, USA: World Wildlife Fund.

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Wells,(SM) et al. 1983: 632 pp. 50 col illus. Presents detailed case studies illustrating the pressures on invertebrate populations. Over 200 taxa are reviewed. Gland/Cambridge: IUCN.

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IUCN SPECIES ACTION PLANS.

Produced by the IUCN Species Survival Commission Specialist Groups, these action plans represent the best assessment available of international conservation priorities for several groups of species. A list of available titles

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follows: Otters; Rabbits, Hares & Pikas; African Insectivora & Elephant Shrews; Asian Elephant; Foxes, Wolves, Jackals & Dogs; Tortoises & Freshwater Turtles; Antelopes of West and Central Africa; Australasian Marsupials & Monotremes; Zebras, Horses and Asses; South American Camelids; Crocodiles; Swallowtail Butterflies; Seals, Fur Seals & Walruses; Pigs, Peccaries and Hippos; The Red Panda, Olingos, Coatis, Raccoons and their Relatives; Cetaceans.

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The Wild Cats; Palms; Antelopes of North Africa and Asia. Gland/Cambridge: IUCN.

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AFTER THE EARTH SUMMIT: *The Future of Environmental Governance*

French,(HF). 1992: 64 pp. Worldwatch Paper No.107. Washington, DC, USA: Worldwatch Institute.

AGENDA 21: EARTH'S ACTION PLAN

Ed. Robinson,(N). 1993: 700 pp. Summary of the six-volume work, which contains the full text of Agenda 21 as well as annotations which trace its evolution. There is also a preface and an introduction, *Caring for the Earth: Implementing Agenda 21*, by the editor. *IUCN Environmental Policy and Law Paper No 27*. Dobbs Ferry, USA: Oceana Publications.

AGENDA 21 : *Rio Declaration and Forest Principles, Post-Rio Edition*

1993: 650 pp. Official UN version of Agenda 21, the worldwide environmental program negotiated and adopted at the Earth Summit, Rio, June 1992. Geneva, SWITZERLAND: United Nations Publications.

BIODIVERSITY AND INTERNATIONAL LAW: *The Effectiveness of International Environmental Law*

Eds. Bilderbeek,(ASE) & Van Buitenen,(A). 1992: 213 pp. Recommendations and conclusions by over 250 experts on international environmental law and representatives of the global environmental movement. Amsterdam, NETHERLANDS: IOS Press.

CARING FOR THE EARTH: *A Strategy For Survival*

Books and Periodicals

IUCN, WWF, UNEP. 1993: 160 pp. 230 col photos, 10 maps. Intended as a broadly orientated but practical guide to the policies and actions we must adopt and undertake to chart a course for survival. The principles for defining a sustainable society are examined. London, UK: Mitchell Beazley.

COMMON PROPERTY RESOURCES

Ed. Beikes (F). 1988. London, UK: Belhaven Press.

THE EARTH REPORT: *Monitoring the Battle for Our Environment*

Eds. Goldsmith,(E) & Hildyard,(N). 1988: 240 pp. 90 photos & illus. An A-Z of 400 key issues, plus 6 essays on selected topics. London, UK: Mitchell Beazley.

THE EARTH SUMMIT: *The United Nations Conference on Environment and Development (UNCED)*

Ed. Johnson,(S). 1994: 450 pp. This publication elucidates the UNCED process and the Earth Summit Conference, and provides analytical commentary. London, UK: Graham & Trotman.

THE EARTH SUMMIT'S AGENDA FOR CHANGE: *A Plain Language Version of Agenda 21*

Keating,(M). 1993: 70 pp. Photos, graphs. The text of the Earth Summit held at Rio de Janeiro in 1992, in a non-analytical language. Available in English, Spanish, Italian, Russian, French, and German language editions. Geneva, SWITZERLAND: Centre for Our Common Future.

THE EARTH SUMMIT AGREEMENTS: *A Guide and Assessment*

Grubb,(M) et al. 1993: 146 pp. Presents a major summary and analysis of UNCED (United Nations Conference on Environment and Development) which took place in Rio de Janeiro in 1992. London, UK: Earthscan.

ECONOMIC ANALYSIS OF ENVIRONMENTAL IMPACTS

Ed. Dixon,(J) et al. Second Edition, 1994: 160 pp. London, UK: Earthscan.

ECONOMICS OF PROTECTED AREAS: *A New Look at Benefits and Costs*

Dixon,(J) & Sherman,(P). 1990: 238 pp. Tabs, maps. Provides a methodology for assigning monetary values to nature, and gives examples of case studies from Asia, Latin America, the Caribbean, and Africa. Covelo, USA: Island Press.

ECONOMICS FOR THE WILDS: *Wildlife, Wildlands, Diversity and Development*

Barbier,(EW) & Swanson,(TM). 1992: 226 pp. Collection of interrelated essays on the economics of successful conservation of endangered species and wildlife habitats combined with sustainable utilization and development of those resources. London, UK: Earthscan.

ENCYCLOPEDIA OF THE UN AND INTERNATIONAL AGREEMENTS

Osmanczyk,(EJ). Second Edition, 1985: 1020 pp. Basingstoke, UK: Taylor & Francis.

ENVIRONMENTAL LAW

Garbutt,(J). Second Edition, 1994: 200 pp. A thorough overview of the subject, in non-technical language. Chichester, UK: John Wiley & Sons.

THE EVOLUTION OF CITES: *A Reference to the Convention on International Trade in Endangered Species of Wild Fauna and Flora*. 3rd. Edition

Wijnstekers (W). 1992 : 392 pp. Geneva, SWITZERLAND: CITES Secretariat

THE GAIA ATLAS OF PLANET MANAGEMENT

Myers,(N). 1994: 288 pp. 150 col illus, 58 col photos. This book sets out the agenda of the environmental movement to the year 2000 and beyond, analyses environmental issues, and provides an approach to maintaining a healthy planet. Stroud, UK: Gaia Books.

A Sourcebook for Conservation and Biological Diversity Information

GLOBAL ENVIRONMENT FACILITY: *Independent Evaluation of the Pilot Phase.*

UNDP, UNEP, and the World Bank. 1994: 216 pp. A study, available in both English and Spanish, in response to a request by participants in the Global Environment Facility (GEF) which profiles the GEF, discusses its policy framework, and reviews project development procedures and the strategies and projects in the following areas: protecting biodiversity, reducing global warming, protecting environmental waters, and reducing ozone depletion. Washington, USA: World Bank.

GUIDELINES FOR LEGISLATION TO IMPLEMENT CITES

de Klemm, (C). 1993: 107 pp. Designed to assist CITES parties in the development of legislation, and in providing penalties for violations. Gland/Cambridge: IUCN. *Environmental Policy and Law Papers 26*

INSTITUTIONS FOR THE EARTH: *Sources of Effective International Environmental Protection*

Eds. Haas, (PM), Keohane, (RO) & Levy, (MA). 1993: 448 pp. Looks at various international environmental problems and the effectiveness of institutions (including UNEP, IMO, FAO, ECE) which attempt to deal with them. Cambridge, MA, USA: MIT Press.

INTERNATIONAL ENVIRONMENTAL NEGOTIATION

Ed. Sjöstedt, (G). 1993: 344 pp. Part 1: Background & Conceptual Framework. Part 2: Case studies (incl Ozone Layer, Acid Rain, The Mediterranean, The Sahel, Biodiversity). Part 3: Analysis. Produced by IIASA-sponsored study group. London, UK: Sage Publications.

LEGAL MEASURES FOR THE CONSERVATION OF MARINE MAMMALS

Birnie, (P). 1982: 161 pp. Gland/Cambridge: IUCN. *IUCN Environmental Policy and Occasional Law Paper No. 19*

OUR COMMON FUTURE

World Commission on Environment and Development. 1987: 398 pp. Tabs. Outlines the findings of possibly the most important UN Report in two decades. Oxford, UK: Oxford University Press.

THE QUEST FOR WORLD ENVIRONMENTAL CO-OPERATION: *The Case of the UN Global Environmental Monitoring System*

Gosovic, (B). 1992: 368 pp. Important critique of the UN and its agencies in their environmental efforts. London, UK: Routledge.

RESOURCES FOR THE FUTURE: *An International Annotated Bibliography for the 21st Century*

Mayne, (A). 1993: 351 pp. Includes entries on books, software, networks, organisations, foundations and charities. London, UK: Adamantine Press.

SAVING OUR PLANET: *Challenges and Hopes*

Tolba, (M). United Nations Environment Programme. 1992: 128 pp. London, UK: Chapman & Hall.

SOUTH-EAST ASIA'S ENVIRONMENTAL FUTURE: *The Search for Sustainability*

Eds. Brookfield, (HC) & Byron, (Y). 1994: 500 pp. Based on a UN University conference. Oxford, UK: Oxford University Press.

THE STATE OF THE EARTH ATLAS: *An Atlas of Environmental Concern*

Seager, (J). 1990: 128 pp. 37 pp colour illus, 2 map. London, UK: Routledge.

STATE OF THE PEOPLES: *A Global Human Rights Report on Societies in Danger*

Miller, (M). 1993: 262 pp. B/w photos, illus, maps. A powerfully argued book which reports on the problem of the world's indigenous peoples, region by region. It emphasises the link between endangered species and ecosystems. Boston, USA: Beacon Press.

Books and Periodicals

TRADE AND THE ENVIRONMENT: *law, Economics and Policy*

Eds. Zaelke (D), Housman (RF), & Orbuch (P). 1994: 270 pp. Washington, USA: Island Press.

UN REPORT OF THE UN CONFERENCE ON ENVIRONMENT AND DEVELOPMENT: *Rio de Janeiro, 3-14 June 1992*

1993: 812 pp., in 3 vols. The complete official record of the conference proceedings, including all the declarations, statements and opening and closing speeches. Geneva, SWITZERLAND: United Nations Publications.

VITAL SIGNS 1994-1995: *The Trends that are Shaping Our Future*

Brown,(L), Kane,(H) & Ayres,(E). 1994: 162 pp. Published in association with the WWF. Annual guide which lays bare the crucial social, economic, and environmental trends that will shape our future. London, UK: Earthscan.

Natural Resources: Uses & Management

AGROFORESTRY FOR SOIL CONSERVATION

Young,(A). 1989: 280 pp. 25 b/w photos, 26 figs, 33 tabs. Wallingford, UK: CAB International.

THE BIODIVERSITY OF MICROORGANISMS AND INVERTEBRATES: *Its Role in Sustainable Agriculture*

Hawksworth, (DL). 1991 : 302 pp. Proceedings of the First Workshop on the Ecological Foundations of Sustainable Agriculture. Oxon, UK: CAB International.

ENVIRONMENTAL ECONOMICS AND NATURAL RESOURCE MANAGEMENT IN DEVELOPING COUNTRIES

Ed. Munashinge,(M). 1994: 326 pp. Washington, USA: World Bank.

FORESTRY MANAGEMENT FOR SUSTAINABLE DEVELOPMENT

D'Silva,(E) & Appanah,(S). 1994: 52 pp. Washington, USA: World Bank.

GUIDELINES FOR PROTECTED AREA MANAGEMENT CATEGORIES

1994: 261 pp. B/w photos. Looks at the basic concepts behind protected area management categories, the management categories themselves, and examples of applying these categories. Trilingual Edition: English, Spanish, French. Gland/Cambridge: IUCN.

AN INTRODUCTION TO RIVER MANAGEMENT

Bailey,(R). 1991: 56 pp. Illus. Addresses the need to manage rivers, and river management functions. London, UK: Institute of Water and Environmental Management.

AN INTRODUCTION TO SOIL SCIENCE

FitzPatrick,(EA). Second Edition, 1986: 224 pp. Illus. The best introduction to soil science that is currently available. Harlow, UK: Longman.

INTRODUCTION TO WORLD FORESTRY

Westoby,(J). 1989: 320 pp. 30 b/w photos, 50 figures and maps. Covers all aspects of the world's forestry, as well as man's considerable impact. Oxford, UK: Blackwell.

LAND AND WATER RESOURCE MANAGEMENT IN ASIA

Sun,(P) et al. 1989: 64 pp. Washington, USA: World Bank.

LIVING WITH TREES: *Policies for Forestry Management in Zimbabwe*

Eds. Bradley,(PN) & McNamara,(K). 1993: 352 pp. Washington, USA: World Bank.

A Sourcebook for Conservation and Biological Diversity Information

MANAGING AFRICA'S TROPICAL DRY FORESTS: *A Review of Indigenous Methods*
Shepherd,(G). 1992: 117 pp. London, UK: Overseas Development Institute.

MANAGING THE HUMAN IMPACT ON THE NATURAL ENVIRONMENT

Ed. Newson,(M). 1992: 304 pp. Core textbook on the physical processes of the natural environment and the human abuse of it. London, UK: Belhaven Press.

THE MANAGEMENT OF TROPICAL MOIST FOREST LANDS: *Ecological Guidelines*

Poore,(D) & Sayer,(J). Second Edition, 1991: 72 pp. Line illus. A French edition is also available. Gland/Cambridge: IUCN. *Forest Conservation Programme 2*

MARINE BIOTECHNOLOGY AND DEVELOPING COUNTRIES

Zilinskas,(R) & Lundin,(CG). 1993: 132 pp. Shows how countries can develop biotechnology programmes and then use them to improve the use, and protection of, marine ecosystems. Washington, USA: World Bank.

PRACTICAL HANDBOOK OF DISTURBED LAND REVEGETATION

Munshower,(FF). 1994: 288 pp. Focuses on the problems of plant seeding and growth and the ecological consequences of that growth. Boca Raton, USA: CRC Press.

SOIL EROSION RESEARCH METHODS

Ed. Lal,(R). Second Edition, 1994: 300 pp. Thoroughly revised edition of this standard text. Delray Beach, USA: Saint Lucie Press.

STRATEGIES FOR NATIONAL SUSTAINABLE DEVELOPMENT, A HANDBOOK FOR THEIR PLANNING AND IMPLEMENTATION

Eds. Carew-Reid,(J) Prescott-Allen,(R) Bass,(S) & Dalal-Clayton(B). 1994: 203 pp. London, UK: Earthscan Publications Ltd.

STRATEGIES FOR FOREST SECTOR DEVELOPMENT IN SUB-SAHARAN AFRICA

Sharma,(NP), Rietbergen,(S), Heimo,(CR) & Patel,(J). 1994: 82 pp. Washington, USA: World Bank.

SURVIVING THE CUT: NATURAL FOREST MANAGEMENT IN THE HUMID TROPICS

Johnson,(N) & Cabarle,(B). 1993: 72 pp. The authors analyze perceived past forest-management failures and suggest more sustainable practices. Washington, USA: World Resources Institute.

SURVEY MANUAL FOR TROPICAL MARINE RESOURCES

Eds. English,(S), Wilkinson,(C) & Baker,(V). 1994: 368 pp. Illus. Contains detailed methods needed to assess tropical marine resources (coral reefs, mangrove forests, seagrass beds, soft bottom communities, and associated fisheries). The manual is extensively illustrated and includes sample data sets and details of database structure. Most of the methods described for assessment of coral reef ecosystems have already been accepted by the UNEP-IOC-WMO-IUCN Global Task Team on Coral Reefs, for application during the global monitoring program. Townsville, AUSTRALIA: Australian Institute of Marine Sciences.

TECHNIQUES FOR DESERT RECLAMATION

Ed. Goudie,(AS). 1990: 271 pp. B/w photos, figs, tables. Concise book which focuses on the methods available to contend with desert degradation. Chichester, UK: John Wiley & Sons.

TOWARDS AN INTEGRATED MANAGEMENT OF TROPICAL COASTAL RESOURCES

Eds. Chou Loke Ming et al. 1991: 456 pp. B/w illus, maps, tabs. Manila, PHILIPPINES: International Centre for Living Aquatic Resources.

TROPICAL SOIL BIOLOGY AND FERTILITY: *A Handbook of Methods*

Books and Periodicals

Eds. Anderson,(JM) & Ingram,(JS). Second Edition, 1993: 171 pp. A practical handbook of recommended and validated methods for the characterization and analysis of tropical soils, with the aim of achieving sustainable use of soil resources. Based on the work of the Tropical Soil Biology and Fertility (TSBF) Programme, part of the UNESCO Man and the Biosphere Programme. Wallingford, UK: CAB International.

WORLD ATLAS OF DESERTIFICATION

Middleton,(NJ) & Thomas,(DSG). 1992: 90 pp. The colour maps and graphs present UNEP's most recent quantification of factors influencing the severity of global desertification. Essential reference for environmental scientists, climatologists and geologists. Sevenoaks, UK: Edward Arnold.

WORLD RESOURCES 1994-95: A GUIDE TO THE GLOBAL ENVIRONMENT

1994: 400 pp. Contains special features each year, as well as the core list of topics covered each year. Oxford, UK: Oxford University Press.

WORLD SOIL EROSION AND CONSERVATION

Ed. Pimentel,(D). 1993: 320 pp. Illus. Presents the findings of a special IUCN working group. The situation in a range of countries is reviewed, giving an overall picture of the causes and extent of soil erosion throughout the world and an assessment of the conservation measures already in practice. Cambridge, UK: Cambridge University Press.

People and the Environment

CHANGING THE FACE OF THE EARTH: *culture, environment, history*

Simmons (IG). 1989. Oxford, UK: Basil Blackwell

ECOLOGICAL IMPERIALISM: *The Biological Expansion of Europe 900-1900*

Crosby (AW). 1986. Cambridge, UK: Cambridge University Press

ECOLOGY IN EDUCATION

Hale,(M). 1993: 200 pp. Illus. Reviews progress and communicates ideas and strategies for incorporation of environmental education into formal and informal education. Cambridge, UK: Cambridge University Press.

ECOTOURISM: *A Guide for Planners and Managers*

Eds. Lindberg,(K) & Hawkins,(DE). 1993: 175 pp. Tabs. A practical guide to implementing ecotourism principles in the field. Alexandria, Virginia, USA: Ecotourism Society.

ECOTOURISM: *The Potentials and Pitfalls.*

Boo,(E). 1990: 208 pp., in two vols. Focuses on the effects of increased tourism in Latin America and the Caribbean, with case studies in Belize, Costa Rica, Dominica, Ecuador and Mexico. Influential study. Washington, USA: World Wildlife Fund.

THE ENVIRONMENTALISTS: *A Biographical Dictionary From the 18th Century to Today*

Axelrod,(A) & Phillips,(C). 1994: 304 pp. 85 illus. Biographical A-Z on conservation and environmentalism spanning the history of the movement, detailing the key individuals, organizations and agencies that have had an impact on the environment. There are over 600 entries. Oxford, UK: Facts on File.

THE GAIA ATLAS OF CITIES: *New Directions for Sustainable Urban Living*

Girardet,(H). 1993: 192 pp. Col & b/w photos, illus. A source-book of innovative ideas and strategies for making our cities ecologically sustainable. Stroud, UK: Gaia Books.

HUMAN DEVELOPMENT REPORT 1994

United Nations Development Programme. Fifth Edition, 1994: 240 pp. Figs, tabs. Oxford, UK: Oxford University

A Sourcebook for Conservation and Biological Diversity Information

Press.

INDIGENOUS PEOPLES: *A Field Guide for Development*

Beauclerk,(J), Narby,(J) & Townsend,(J). 1988: 144 pp. Illus. Oxford, UK: Oxfam.

INDIGENOUS PEOPLES AND PROTECTED AREAS: *The Law of Mother Earth*

Ed. Kemf,(E). 1993: 296 pp. Illus. Gives first hand accounts of more than thirty cases from every part of the world where the interests of nature and the claims and needs of local people have been met simultaneously. London, UK: Earthscan.

LESSONS LEARNED IN COMMUNITY BASED ENVIRONMENTAL MANAGEMENT

Ed. Borrini (G). 1991. Rome, ITALY: ICHM.

PEOPLE, PLANTS AND PATENTS: *The Impact of Intellectual Property on Biodiversity, Conservation, Trade and Rural Society*

Crucible Group. 1994: 116 pp. Ottawa, CANADA: IDRC.

THE POPULATION EXPLOSION

Erlich, (PR) & Erlich (AH). 1990 : 320 pp. New York: Simon & Schuster.

PROTECTED LANDSCAPES: *A Guide for Policy Makers and Planners*

Lucas,(P). 1992: 200 pp. Illus. Based on 11 case studies from around the world. London, UK: Chapman & Hall.

THE QUESTION OF THE COMMONS

Eds. McCay (BJ) & Acheson (JM). 1987. Tuscon, AZ, University of Arizona Press.

A SAND COUNTY ALMANAC, AND SKETCHES HERE AND THERE

Leopold (A). 1949. A classic book on landscape and human interaction. New York, USA: Balentine Books.

SEEDS OF FAMINE

Franke (RW) & Chasin (BH). 1980. New York, USA: Universe Books.

TRAINING PROTECTED AREA MANAGERS

Ed. Beeton,(RJ). 1993: 200 pp. Draws on the experiences of regional training institutions in various parts of the world. Gland/Cambridge: IUCN.

THE THIRD REVOLUTION: Environment, Population and a Sustainable World

Harrison (P). 1992 : 359 pp. London, UK: I.B. Tauris & Co.

THE WEALTH OF COMMUNITIES

Pyle-Smith (C) & Borrini-Feyerabend (G). 1994. London, UK: Earthscan

WILDLIFE AND PEOPLE: *The Human Dimensions of Wildlife Ecology*

Gray,(GG). 1993: 320 pp. 18 illus. Focuses on the human aspect of animal/human interactions, providing an introduction to virtually every discipline involved in the human dimensions of wildlife ecology. Champaign, USA: Illinois University Press.

WOMEN AND THE ENVIRONMENT

Rodda (A). 1991. London, UK: Zed Books

3.2 Periodicals, compiled and edited by Mark Stenner, BookNet Manager, NHBS.

Books and Periodicals

The following is a list of newsletters, journals, and magazines that focus on conservation and biological diversity issues. There are many periodicals that fall into this category, and this list is not ment to be exhaustive. Instead, it is intended to identify some of the more popular and widely distributed periodicals covering this field. Many more periodicals focusing on single resource issues do exist, but have not been listed here. Periodicals are listed alphabetically by title.

AFRICA - ENVIRONMENT & WILDLIFE

Coverage of the environmental and conservation challenges facing Africa to entertain, inform and generally foster an awareness of important issues. Six issues per year.

ISSN: None.

Address: Black Eagle Publishing, P.O. Box 44223, Claremont 7735, SOUTH AFRICA

AFRICAN JOURNAL OF ECOLOGY

Formerly the East African Wildlife Journal this renowned publication covers all aspects of African ecology.

ISSN: 0141-6707.

Address: Blackwell Science Ltd, Journals Subscriptions, c/o Marston Book Services, PO Box 87, Oxford OX2 0DT, UK

AFRIKA-NATUURLEWE / AFRICAN WILDLIFE

Bi-monthly journal covering all aspects of the conservation of African wildlife and natural habitats, which also examines the diverse range of issues relating to the environment.

ISSN: 0002-0273.

Address: Wildlife Society of Southern Africa, PO Box 44189, 2104 Linden, SOUTH AFRICA

AMBIO: A JOURNAL OF THE HUMAN ENVIRONMENT

This international journal addresses the interrelated fields of environmental management, technology, and the natural sciences. 8 issues per year.

ISSN: 0044-7447.

Address: Swedish Royal Academy, Box 50005, S-104 05 Stockholm, SWEDEN

BIOTROPICA

Quarterly journal containing original research in the broad area of tropical biology, including the ecology and management of diverse tropical ecosystems.

ISSN: 0006-3606.

Address: Assoc. for Tropical Biology, Julie Denslow, Dept of Ecology & Evolution., Tulane University, New Orleans, LA 70118, USA

BIOLOGICAL CONSERVATION

Published twelve times a year, this journal publishes papers dealing with the preservation of wildlife and the conservation, and sensible use of biological and allied natural resources.

ISSN: 0006-3207.

Address: Elsevier Science Publishers UK, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK

BIODIVERSITY AND CONSERVATION

Quarterly journal devoted to papers on biological diversity in all its aspects, its description, analysis and conservation, and its controlled and rational use by man.

ISSN: 0960-3115.

Address: Chapman & Hall, 2-6 Boundary Row, London, SE1 8HN, UK

CONSERVATION BIOLOGY

Provides a forum for debate among environmental professionals. Published six times a year, the journal covers a

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wide range of topics and is possibly the most cited journal in the field.

ISSN: 0888-8892.

Address: Blackwell Scientific Pubs, 238 Main Street, Cambridge MA 02142, USA

THE DODO: THE JOURNAL OF THE WILDLIFE PRESERVATION TRUST

Concerned with the Trust's activities which centre on the propagation of rare and endangered species in captivity as an aid to their survival, their reintroduction to their natural habitats, the training of zoologists and conservation biologists, and formulation of strategies for the conservation of endangered species and their habitats. One issue per year.

ISSN: None.

Address: Jersey Wildlife Preservation Trust, Les Augres Manor, Trinity, Jersey JE3 5BF, CHANNEL ISLANDS

ECOLOGICAL APPLICATIONS/ECOLOGY

Applied ecology is a rapidly expanding research area, and this is one of the premier applied ecological journals in the world. As from 1995, it will be combined with the journal formerly called Ecology. 8 issues per year.

ISSN: 0012-9658.

Address: Ecological Society of America, c/o Centre for Environmental Studies, Arizona State Univ., Tempe AZ 85287-3211, USA

ECOLOGICAL ECONOMICS

Journal published twice a year concerned with extending and integrating the study and management of "nature's hourshold" (ecology) and 'humankind's household" (economics).

ISSN: 0921-8009.

Address: Elsevier Science Publishers, Journal Division, PO Box 211, 1000-AE Amsterdam, The NETHERLANDS

ECOLOGICAL MONOGRAPHS

Quarterly journal of the Ecological Society of America.

ISSN: 0012-9615.

Address: Ecological Society of America, c/o Centre for Environmental Studies, Arizona State Univ. Tempe AZ 85287-3211, USA

THE ECOLOGIST

Bi-monthly publication covering all aspects of ecology, such as ecological politics, gender issues, transport and energy problems, pollution, and ecological ethics.

ISSN: 0261-3131.

Address: The Ecologist, c/o RED Computing, The Outback, 58-6- Kingston Rd, New Malden, Surrey, UK

ENDANGERED SPECIES UPDATE

Monthly bulletin providing current news and information on endangered species protection, which includes a reprint of the latest Endangered Species Technical Bulletin, the monthly U.S. Fish and Wildlife Service publication. A primary forum for the exchange of ideas and information on endangered species.

ISSN: None.

Address: School of Natural Resources, University of Michigan, Ann Arbor, Mich., USA

THE ENVIRONMENTALIST

Quarterly publication which seeks to act as a catalyst for environmental education, identifying available educational opportunities and providing necessary guidelines for defining viable management mechanisms for environmental professionals and policy makers.

Books and Periodicals

ISSN: 0251-1088.

Address: Science and Technology Letters, P.O. Box 81, Northwood, Middx HA6 3DN, UK

ENVIRONMENTAL CONSERVATION

International quarterly journal devoted to maintaining global vitality through exposing and countering environmental deterioration resulting from human population pressure and unwise technology.

ISSN: 0376-8929.

Address: Elsevier Science Journals (UK), Oxford Fulfillment Centre, PO Box 800, Kidlington, Oxford OX5 1DX, UK

ENVIRONMENTAL MANAGEMENT

An International Journal for Decision-makers, scientists, and environmental auditors.

Wide ranging coverage, six times a year, which is particularly strong in agriculture.

ISSN: 0364-152X.

Address: Springer-Verlag, Sweetapple House, Catteshall Road, Farncombe, Godalming, Surrey GU7 1NH, UK

FLORA, FAUNA Y AREAS SILVESTRES

Dedicated to the interchange of ideas and published three times a year in Spanish, in collaboration with the Red Latinoamericana de Cooperacion Tecnica en Parques Nacionales, this journal covering the neotropics examines wild areas, wildlife, and protected areas, and the management issues surrounding them.

ISSN: None.

Address: FAO, Southern American Office, Avenida Santa Maria 66700, Casilla 10095, Santiago, CHILE

GLOBAL DIVERSITY

Quarterly publication, also produced in French: La Biodiversité Mondiale.

ISSN: None.

Address: Canadian Centre for Biodiversity, Canadian Museum of Nature, PO Box 3443, Station D, Ottawa, Ontario K1P 6P4, CANADA

INTERNATIONAL JOURNAL OF ENVIRONMENTAL STUDIES

Contains recent information, studies and research papers on the relationship between people and environment, with a focus on applied sciences, e.g. environmental impact assessment.

ISSN: 0020-7233.

Address: Gordon & Breach Science Publishers, 270 Eighth Ave, New York, NY 10011, USA

INTERNATIONAL WILDLIFE

Lavishly illustrated bi-monthly, which gives authoritative coverage of global environmental.

ISSN: 0020-9112.

Address: National Wildlife Federation, 1400 Sixteenth Street NW, Washington, DC 20036-2266, USA

IUCN BULLETIN

Quarterly bulletin covering the network of governmental and independent conservation interests, with information on activities, projects, publications, meetings, and feature articles. Also published in French and Spanish

ISSN: 0020-9058.

Address: IUCN Publications Unit, 219c Huntingdon Road, Cambridge CB3 0DL, UK

JOURNAL OF TROPICAL ECOLOGY

Quarterly journal which presents papers in the field of ecology of tropical regions, plus original research and reviews.

A Sourcebook for Conservation and Biological Diversity Information

ISSN: 0266-4674.

Address: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge
CB2 2RU, UK

JOURNAL OF WILDLIFE MANAGEMENT

Published quarterly, this is a major source of research knowledge, and current issues in the field.

ISSN: 0022-541X.

Address: The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814, USA

MARINE CONSERVATION NEWS

Published quarterly and includes news and articles on legislation, policy and regulations pertaining to the conservation of all marine species and their habitats.

ISSN: None.

Address: Centre for Marine Conservation, 1725 DeSales Street NW, Washington, DC 20036 USA

NATURAL HISTORY

Monthly publication with articles written by professional scientists on the biological sciences, ecology, anthropology, archaeology, earth science and astronomy.

ISSN: 0028-0712.

Address: American Museum of Natural History, Publications Department, Central Park West at
79th St, New York, NY 10024, USA

NATURAL RESOURCES FORUM

Quarterly journal focusing on natural resources management since 1961.

ISSN: 0028-0739

Address: University of New Mexico, School of Law, 1117 Stanford NE, Albuquerque, NM
87131, USA

NATURE AND RESOURCES

A quarterly review of research on sustainable development, with a focus on the use of scientific information in decisionmaking processes affecting the environment. Published in English, French, and Spanish.

ISSN: 0547-9665

Address: Parthenon Publishing Group,
Casterton Hall,
Cranforth, Lancs, LA6 2LA, UK

NATURE AND ENVIRONMENT SERIES

An irregular series put out by the Council of Europe. Each issue is a monograph dealing with nature conservation or endangered species. Most published in English and French: Collection Sauvegarde de la Nature.

ISSN: None. Each monograph has an ISBN.

Address: Les Editions du Conseil de l'Europe,
Conseil de l'Europe,
F-67075 Strasbourg Cedex, FRANCE

NATURE et FAUNE - WILDLIFE and NATURE

Publication dedicated to the exchange of information and scientific data on wildlife and protected areas management and conservation of natural resources on the African continent. Joint publication of FAO and UNEP

Address: Nature et faune, FAO Regional Office for Africa,
P.O. Box 1628, Accra, GHANA

NEW SCIENTIST

Popular weekly magazine which examines all aspects of science, and which is especially useful for keeping up to

Books and Periodicals

date with current scientific developments.

ISSN: 0262-4079.

Address: IPC Magazines Ltd, King's Reach Tower,
Stamford Street, London SE1 9LS, UK

ORYX: Journal of the Fauna and Flora Preservation Society

One of the older conservation journals, it publishes reports and articles dealing with the conservation of species and habitats world-wide, with particular emphasis on those that are endangered. Published quarterly.

ISSN: 0030-6053.

Address: Blackwell Science Ltd, Journal Subscriptions,
c/o Marston Book Services, PO Box 87,
Oxford OX2 0DT, UK

OUR PLANET

Highlights current world environmental concerns as well as the action taken by UNEP to protect the environment. 6 issues per year, available in French, Spanish and English.

ISSN: 1013-7394.

Address: UN Environment Programme, PO Box 30552, Nairobi, KENYA

PARKS

Newly revised journal, published by the IUCN Commission on National Parks and Protected Areas, which seeks "to strengthen international collaboration among protected area professionals and to enhance their role, status and activities".

ISSN: 0960-233X.

Address: Nature Conservation Bureau Ltd, 36 Kingfisher Court, Hambridge Road, Newbury,
Berks RG14 5SJ, UK

POPULATION AND DEVELOPMENT REVIEW

This publication provides a forum for discussing demographic and socio-economic issues.

ISSN: 0098-7921

Address: Population Council, One dag Hammarskjold Plaza, New York, NY 10017, USA

SCIENCE ET NATURE

A monthly magazine for the general public with a serious scientific background and a worldwide coverage of nature conservation.

ISSN: 0036-8342.

Address: Science & Nature,
96 rue Poissonière, F-75010 Paris, FRANCE

THE WILDLIFE REVIEW

Bi-monthly indexing service for wildlife management. Free to qualified personnel.

ISSN: 0043-5511.

Address: National Biological Survey, Publications Mgmt Officer, 1201 Oakridge Drive, Suite 200,
Fort Collins, CO 80525-5589, USA

WORLDWATCH MAGAZINE

Bi-monthly publication with a wide coverage of all aspects of worldwide conservation, written in an accessible style.

ISSN: 0896-0615.

Address: Worldwatch Institute, 1776 Massachusetts Ave NW, Washington, DC 20036, USA

A Sourcebook for Conservation and Biological Diversity Information

3.3 Multi-media Products, compiled and edited by Mark Stenner, NHBS BookNet Manager

In order to run CD-ROMs on a computer with standard sound and graphics abilities, there are some basic hardware and software requirements for the user. The following specifications should facilitate the smooth running of most CD-ROMs.

For an IBM compatible personal computer: a central processing unit (CPU) with 386MHz or higher, 4Mb RAM, VGA Monitor, Windows 3.1 or above, and a Soundblaster compatible card. For a Macintosh computer: 4 Mb RAM, System Version 7.0 or higher, Hypercard 2.0 or higher, and Home Stack.

For the more powerful CD-ROMs, those which run QuickTime video, for example, the system requirements are: PC: CPU with 486 Mz or above, 8 Mb RAM, Windows 3.1 or above, VGA + 256 colours, sound card, double speed CD-ROM drive. Mac: 6Mb RAM, System 7.0 or above, double speed CD-ROM drive.

ANIMALS - A MULTIMEDIA EXPERIENCE

The data provided by San Diego Zoo concentrates on 3 themes, interrelationship of animals, impact of human beings on their environment, state of endangered species. The principal audience is the general public.

1994: Software Toolworks

AUSTRALIA'S COASTAL RESOURCES

CD-ROM, available in single user and network versions, containing documents relating to the Coastal Zone Enquiry of 1992-93, which sought ways to achieve integrated management of this important zone. Contains full text, images, and tables, as well as a database of submissions. 1994. Melbourne, AUSTRALIA: Informit.

BIRDS OF EUROPE

A top quality educational multimedia CD-ROM, in Windows, NeXT or Macintosh versions, with over 400 bird species, colour plates of birds and their eggs, distribution maps, sounds and video. It includes a pictorial key for identification, a glossary, teaching program, search program and quiz. 1993. Amsterdam, NETHERLANDS: Expert-Center for Taxonomic Identification.

DICTIONARY OF NATURAL PRODUCTS

Edited by J Buckingham A comprehensive source of material on CD-ROM on all known natural products, giving chemical, structural and bibliographic data on 100,000 natural products and related compounds. All text is retrievable, and there is substructure searching. 1994. London, UK: Chapman & Hall.

THE EARTH SUMMIT CD-ROM

Complete record of the 1992 United Nations Conference on Environment and Development, with a user-friendly format which enables the user to search for specific information and retrieve full text. The contents are as follows: Overview and Introduction; The Global Partnership for Environment and Development - A Guide to Agenda 21; The Earth Summit (Rio de Janeiro, 1992); The Earth Summit Official Statements; National & Regional Reports; Participants & NGOs; UNCED Preparatory Documents; and UNCED Commissioned Research Papers. Co-published by IDRC & the United Nations. 1993. London, UK: HMSO.

THE FAMILIES OF FLOWERING PLANTS

Interactive Identification and Information Retrieval.

CD-ROM, with 40-page instruction manual. Applies the interactive identification and information retrieval program *INTKEY* to 560 world-level, *DELTA* descriptions of the families of angiosperms. This CD-ROM has MS-DOS files containing the program and data, along with 565 high quality line drawings, and some sampled colour and black and white photos. Also included are source references and a complete set of the family descriptions. 1994. Melbourne, AUSTRALIA: CSIRO.

FISHES OF THE NORTH-EASTERN ATLANTIC AND THE MEDITERRANEAN

Books and Periodicals

Edited by P Whitehead and JC Hureau. Produced in cooperation with UNESCO, this CD-ROM is based on the book of the same title. It is a standard reference work, providing comprehensive information on 1,265 fish species, complete with an illustrated identification key, drawings and distribution maps, and will be an invaluable reference for marine biologists, environmentalists and fisheries scientists. Available in two versions, Windows or Macintosh. 1995. Amsterdam, NETHERLANDS: Expert-Center for Taxonomic Identification.

FIVE KINGDOMS

Lynn Margulis and Karlene Schwartz

When it was first published, it received wide acclaim. Now it has been updated and put on CD-ROM, thereby providing full multimedia information for all of the 92 phyla living today, with examples from select genera and numerous illustrations and photographs. An indispensable resource. Available in two versions - Macintosh or Windows. 1994. Amsterdam, NETHERLANDS: Expert-Center for Taxonomic Identification.

THE MULTIMEDIA ENCYCLOPEDIA OF MAMMALIAN BIOLOGY

Editor-in-Chief: Professor R McNeill Alexander CD-ROM. Includes: full text, colour photos, artwork and maps of all five volumes of the Grzimek's Encyclopedia of Mammals; additional specialist articles to supplement the main text; visual index of world ecosystems; glossary taken from the *Synopsis and Classification of Living Organisms*; movie and sound, largely taken from the BBC Natural History Unit archives; bibliography of current scientific literature on mammalogy. Available for the single user, and also in several network versions. 1994/5. Maidenhead, UK: McGraw Hill.

SEA MAMMALS OF THE WORLD

CD-ROM providing a complete overview of all the world's marine mammals, with detailed colour drawings, underwater photography and sounds for all species. There are also identification keys and distribution maps. Available in two versions - Macintosh or Windows. 1995. Amsterdam, NETHERLANDS: Expert-Center for Taxonomic Identification.

WORLD RESOURCES 1994-95

Data Base Diskette, 3.5" and 5.25" high density diskettes, IBM compatible. Instant access to the WRI's authoritative database on global conditions and trends. Contains all the statistics in the 1994-95 edition of *World Resources*, plus 20-year time series for many variables. 1994. Washington, USA: World Resources Institute.

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Chapter 4. Commercial Online and CD-ROM Resources

4.0 Computerized Databases, by Mary Cordiner, World Conservation Monitoring Centre

The growth of online and CD-ROM databases started in the early 1970s. Hence the reason that most of the databases listed below cover material from about that time or later. Although growth then was based on well-known scientific abstracts journals, on-line databases did not include abstracts. Instead records were carefully indexed according to thesauri and classification systems to aid retrieval. Abstracts became commonly available in the early 1980s. CD-ROMs have become more popular since the mid 1980s. Many CD-ROM products are also available in online or printed format: it is used to distribute abstracts journals, learned scientific journals and books, particularly encyclopedias.

4.01 Online Databases

The commercial online industry grew steadily through the 1970s and 1980s with substantial increases in the number of hosts (companies whose computers held a large number of databases for searching) and type of databases eg business databases. Now the industry is going through a period of change with the merger of several key players.

On-line searching is often regarded as expensive but it is worth considering the time it would take to carry out the same literature search using the printed version of the database. The total cost of a search comprises three elements, the time connected to the database, the cost of displaying or printing relevant bibliographic references and the royalties for use, without considering the telecommunications costs. The move currently is to charge only for information retrieved.

Typical costs on the Dialog databases, one of the larger online information providers, range between US \$30 and US \$60 per connect hour (CAB Abstracts and BIOSIS Previews respectively). So for every hour or fraction thereof connected to the database the user is charged according to the hourly rate, regardless of whether the user is searching or viewing records. When the user views all information available on record an additional charge of US \$ 1.30 is made per record viewed. A simple search in BIOSIS Previews, for references to conservation and resource management, using the BIOSIS coding system, in Mozambique retrieved 21 records of which 19 were relevant cost approximately US \$35.

Although most of the databases described in the first section are described as 'commercial' this refers only to the access route. Many databases have been developed by not-for-profit organisations (eg. CAB Abstracts by CAB International - formerly Commonwealth Agricultural Bureaux) which have or had substantial government backing. In the early days equipment to permit access was very expensive and the need for good user support databases were made available to a large audience through 'commercial' hosts. Some commercial hosts have 'advertising' pages on the Internet and access via that route is likely to become a reality in the very near future. Indeed it has already been achieved by ECHO.

Most, if not all, commercial hosts will provide generic information about types of compatible equipment and contact addresses for telecommunications. To access commercial online databases some equipment is essential, namely

- a computer terminal (with an electronic communications package will be needed and a terminal emulation package may be required)
- a modem (with a personal computer, this may be simply an additional piece of hardware)
- an account with the national PTT (Telecommunications organisation - essential if the national packet switching network is to be used)
- an account with the host organisation who will provide a password.

Online searching gives access to a far wider swathe of literature than all but the largest libraries can afford to collect. Most databases concentrate on standard literature e.g. books, conference proceedings, journal articles and specifically exclude grey literature e.g. reports from small organisations, unpublished reports and more ephemeral material which is often difficult to obtain. Even so one can identify published literature which is not readily available locally and to counter this many hosts offer a document supply service for a charge.

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No single online database covers all aspects of biodiversity and there is a degree of overlap between the coverage of the main databases which include material on biodiversity. New areas are emerging such as biodiversity economics which do not always sit comfortably in the coverage of most scientific databases and as yet are not adequately covered. Therefore, training in searching techniques is highly desirable.

4.02 CD-ROMs

CD-ROM has emerged as one of the major forms of information and data distribution over the last 7 years. This trend will continue and intensify. CD-ROMs are used in a wide variety of organisations e.g. research institutions, universities, schools. Thus the level and presentation of material varies according to the target market. In addition to the capacity to handle large quantities of text, it offers the capability to distribute images, graphics and audio information.

As increasing numbers of end-users search databases this format offers an excellent and in many cases preferable alternative to online. The end-user can browse and search the database while familiarising him/herself with search techniques and the database content without the pressure of rapidly mounting costs as happens in the online situation. So in some circumstances it is replacing online usage. While online databases have frequent updating schedules only some CD-ROMs are updated at regular intervals: others are updated irregularly or have no update schedule.

CD-ROMs are acquired for a one-off charge. This may give the user outright purchase or may be a type of lease agreement. As such they offer more budgetary control and no additional costs are incurred for frequent use: in frequent use the initial high outlay may easily be recouped. Favourable charge rates may be offered for developing countries. Schemes exist whereby organisations in developing countries may receive financial assistance to acquire the hardware and the purchase costs of the databases under overseas aid programmes.

Suppliers of CD-ROMs often also supply the hardware necessary to use the medium. In general, IBM compatible 486 processor with a minimum of 4 MB memory and software are necessary, in addition to a CD-ROM drive conforming to ISO 9660 with 680 MB. The commonest platforms are DOS or Windows. Those contemplating acquiring CD-ROMs are advised to consider carefully hardware and software requirements and compatibility.

While CD-ROMs provide a wide variety of information and data some publications are now appearing with complementary diskettes which include additional data e.g. World Resources, or diskettes which combine several publications e.g. HEMDisk for effectively a nominal charge. Not only do these diskettes include the raw data but they also provide facilities for statistical manipulation. This publication will also be distributed on diskette.

The online and CD-ROM listings are necessarily a snapshot of what is available as new products are rapidly coming to the market. It does not attempt to include proposed products e.g. World Heritage are proposing a CD-ROM product giving information about the sites. This product was expected to be available in mid-1994 but is now anticipated for mid-1995.

4.1 Commercial Online Databases

Contact addresses for subscribing to these services are given at the end of the section.

ABSTRACTS ON TROPICAL AGRICULTURE

Type: bibliographic

Content: The material, drawn from journal articles, books, conference proceedings and theses covers tropical and sub-tropical agriculture and rural development. Aspects of particular interest include: aquaculture, forestry, agroforestry.

Timespan: 1975 -

Availability: ORBIT.

AGRICOLA

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Type: bibliographic

Content: The content is based on the acquisitions of the US National Library of Agriculture and its co-operating institutions. The documents include books, pamphlets, conference proceedings, reports, journal articles. Subject coverage: botany, entomology, conservation, forestry, natural history, wildlife and zoology. The database contains approximately 2.5m documents.

Timespan: 1979-

Availability: DIMDI, Data-Star Dialog,

AGRIS INTERNATIONAL

Type: bibliographic

Content: The printed version of this file is Agrindex produced by FAO. Coverage is primarily agricultural but relevant aspects include economics, development, forestry, aquatic sciences and fisheries, natural resources. Principal sources are books, journal articles and conference proceedings. The system, to which over 100 centres contribute, is co-ordinated by the FAO.

Timespan: 1975 to date

Availability: Data-Star Dialog, DIMDI, ESA-IRS

AQUATIC SCIENCES AND FISHERIES ABSTRACTS

Type: bibliographic

Content: This is another product from the FAO stable which corresponds to several printed products. Covers aquaculture, ecology, limnology and resource management as applied to aquatic environments and fisheries. Main sources are journal articles, books, conference proceedings and some technical reports, oceanography, marinebiology, pollution.

Timespan: 1978 to date

Availability: Data-Star Dialog, DIMDI

BIOLOGICAL AND AGRICULTURAL INDEX

Type: bibliographic

Contents: corresponds to the printed service Biological & Agricultural Index. Covers a core of English-language serials on zoology, marine biology, microbiology, forestry, ecology and biology, botany.

Timespan: 1983 to date

Availability: BRS

BIOSIS PREVIEWS

Type: bibliographic

Content: contains bibliographic details of published journal articles, relevant books, conference proceedings on all aspects of the life sciences. These citations are from Biological Abstracts and BioResearch Index. Of particular relevance to conservation of biodiversity are reports of new species in the literature, habitats, conservation, resource management, nature study, aquatic & terrestrial wildlife management, forests and forestry. Abstracts are available for material from Biological Abstracts since 1976, and certain types of material.

Timespan: 1969 to date

Availability: Data-Star Dialog, DIMDI

CAB ABSTRACTS

Type: bibliographic

Content: bibliographic details of articles, proceedings and some books related to all aspects of agriculture, entomology, crops, dairy science and forestry. This database is based on the array of abstracts journals produced by CAB International. An unusual constituent is tourism, leisure and recreation. Other relevant parts include tropical oil seeds, arid lands, plant genetics, rural sociology and agricultural economics. Abstracts are not available for older material

Timespan: 1972 to date

Availability: Data-Star Dialog, CAN/OLE, DIMDI,

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GEOBASE

Type: bibliographic

Content: The database claims to cover the worldwide literature on geography, both physical and human, ecology and includes such as aspects as remote sensing. Main sources are journals, books, conference proceedings and in the last five years Ph.D. theses. Small but highly relevant selection of material on nature conservation, species conservation, and restoration ecology.

Timespan: 1980 to date

Availability: Data-Star Dialog, ESA-IRS

ILDIS (International Legume Database and Information Service)

Type: data, properties, bibliographic

Contents: Currently the database contains information for the legumes of Africa, the Americas including the Caribbean. The information includes classification and taxonomy, distribution, uses, habitats and bibliographic details.

Availability: At the time of writing, the online launch of ILDIS through BIDS is imminent. Access to users outside the UK is through the Internet.

LIFE SCIENCES COLLECTION

Type: bibliographic

Content: This file corresponds to a series of abstracting journals produced by Cambridge Scientific Abstracts. Particularly relevant to biological diversity are ecology, entomology, genetics and microbiology. The main source of references is journal articles with selective coverage of books and conferences.

Timespan: 1978 to date

Availability: Data-Star Dialog, STN International

MINE - Microbial Information Network Europe

Type: full-text, reference

Content: Descriptions of strains and cultures of bacteria, fungi and yeasts held in the national culture collections of 11 European countries.

Availability: DIMDI, Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH

OCEANIC ABSTRACTS

Type: bibliographic

Contents: Covers a wide range of topics related to marine sciences e.g. oceanography, marine biology. Besides drawing from the primary literature some limited circulation reports and legal aspects are covered.

Timespan: 1964-

Availability: Data-Star Dialog, STN, ESA-IRS

REMOTE SENSING ON-LINE RETRIEVAL SYSTEMS

Type: bibliographic

Content: bibliographic references to articles, conference proceedings relating to remote sensing techniques and applications. 35mm slides are also included.

Timespan: 1972 -

Availability: ORBIT, ESA-IRS

SCI-SEARCH

Type: bibliographic

Content: corresponds to Science Citation Index which covers a wide very range of scientific subjects. Of relevance to conservation of biological diversity are aspects of life sciences, and agriculture. Abstracts have been included since 1991.

Timespan: 1974 to date

Availability: Data-Star Dialog, DIMDI,

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UBIB UNESCO BIBLIOGRAPHY

Type: bibliographic

Content: The aspects pertinent to biological diversity are science, culture education documents including journal articles which have been published by Unesco. approximately 50,000 records, but no abstracts.

Timespan:

Availability: ECHO

ZOOLOGICAL RECORD ONLINE

Type: bibliographic

Content: covers all aspects of zoology, with better coverage of lesser-known zoological journals than BIOSIS Previews although the time between appearance of the primary source and its addition to the database is measurably longer. The most relevant aspects are habitat, new species, ecology, zoogeography. Abstracts are not available but detailed hierarchical indexing.

Timespan: 1978 to date

Availability: Data-Star Dialog

The above list gives the core databases which give access to the scientific literature concerning biological diversity. A number of other databases will also support background work e.g. checking and identifying references and keeping abreast of the popular press.

Other databases:

Library of Congress Catalogue (LC MARC, purely bibliographic but with a growing international coverage, 1968 to date)

Books in Print (as name implies, covering books available in the USA)

British Books in Print (as above but UK)

CRUSTACEA (available DIMDI) approximately 5,000 records mostly in German.

Baltic Marine Environment(DIMDI) - bibliographic database relating to Baltic Sea ecology, fauna, flora, fisheries, includes journals ,books, conference proceedings, thesis and grey literature. Has included abstracts since 1992 although database established 1980.

SRIS (Blaise-Line) Catalogue records of the British Science

Reference & Information Service - British and foreign scientific books conferences etc.

Textline(newspapers and technical press since 1980 many include full text)

HERA (Heritage Australia Information System) concentrates on Australian natural and cultural environment, 1987 to date.

For the purposes of this section a database is information held in a structured form in a computer and thus it can be searched, manipulated and presented in several different ways. In recent years publicity about databases relating to aspects of conservation has proliferated. In some cases the term 'database' has been taken to encompass a large holding of paper-based material, while in others it is difficult to ascertain the precise status of the database being described e.g. proposed, under development or live and fully functional.

In the last case the databases developed may have been distributed in other forms e.g. Fishbase (see CD-ROM section). Most initiatives are at the national level and often refer to a specific aspect of biodiversity e.g. National Wildlife Database (India) (WII, 1993), various Indonesian databases (National Biodiversity Database Workshop, 1991). At the international level the proposed World Bird Database has reached the stage of development work. On the other hand, some take constituents of other databases add data from new sources but effectively cross-cutting existing data holdings in a different manner e.g. Arthropod Index.

Biodiversity Map Library

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The database contains geographical information on protected areas, tropical forests, mangroves, plant diversity and other datasets relevant to global biodiversity. From the data maps, subsets of data and reports can be provided.
Availability: contact WCMC

ICGD (International Cocoa Germplasm Database)

Type: data, properties

Content: The Cocoa database includes information on wild collected material and material that has arisen through breeding programmes. There are a substantial number of Germplasm Databases distributed around the world. Some are on paper others are fully computerised and may have parallel paper products. Much work has gone on to standardise the data required for germplasm databases.

Similar databases: CIMMYTS, CD ROM section: Microbial Germplasm Database.

Sites and Species Database

type: numeric, data

Content: Information on the numbers and location of important birds and sites, primarily for use by RSPB staff. The database is linked to a number of other RSPB databases.

Tropicos (Missouri Botanical Garden)

This database contains large quantities of data on plants particularly those in the Americas and from which have been produced paper products such as Flora of North America. Some of the elements included are synonyms, distribution, bibliography.

WCMC Plants Database

concentrates on threatened plants, single country endemics, timbers, relatives of crops and economically important plants. The records include common names, synonyms, distribution and conservation status. All information is fully referenced.

Similar databases: Botanic Gardens Database concentrates on specimens growing in botanic gardens.

WCMC Protected Areas Database.

This database contains records for over 30,000 of the world's protected areas, including those sites covered by the World Heritage Convention and UNESCO-MAB Biosphere Reserves Programme.

Similar database: CEDIP

Contact addresses:

BIDS Bath University Computer Service

University of Bath, Claverton Down, Bath, United Kingdom

Tel: (44-1225) 826 345

Fax: (44-1225) 826 176

BRS - See InfoPro

CAN/OLE Canada Institute for Scientific and Technical Information

Montreal Road, Ottawa, ON K1A 0S2, Canada

Tel: (1-613) 993 1210

Fax: (1-613) 952 8244

DIMDI (Deutsches Institut fuer Medizinische Dokumentation und Information)

Postfach 42 05 80, 50899 Koeln, Germany

Tel: (49-221) 4724 1

Fax: (49-221) 411429

DataStar and Dialog were two separate host companies until 1994 when Dialog took over Data-Star. The hosts have

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remained separate, each with their distinct range of databases, but are generally contactable through one point under the name of the parent company, Knight-Ridder.

ECHO (European Communities Host Organisation)

B.P. 2373, L-1023 Luxembourg

Tel: (352) 34981 200

Fax: (352) 34980 234

ESA-IRS (European Space Agency)

Esrin, Via Galileo Galilei, I-00044 Frascati, Italy

Tel: (39-6) 941801

Fax: (39-6) 94180361

InfoPro Technologies

8000 Westpark Drive, McLean VA 22102, USA

Tel: (1-703) 442 0900

Fax: (1-703) 893 4632

InfoPro Technologies

18 Parkshot, Richmond, Surrey TW9 2RG, United Kingdom

Tel: (44-181) 332 7888

Fax: (44-181) 332 7449

Knight-Ridder Information Inc

One Commerce Square, 2005 Market Street, Suite 1010, Philadelphia, PA 19103, USA

Tel: (1-800) 221 7754

Fax: (1-215) 587 2147

Knight-Ridder Information Ltd

Haymarket House, 1 Oxenden Street, London SW1Y 4EE, United Kingdom

Tel: (44-171) 930 5503

Fax: (44-171) 930 2581

Orbit - See InfoPro

SAMTEK Corp.

154-16 Samsung Dong, Kangnam Ku, Seoul, Korea

Tel: (02) 538 4400

Fax: (02) 538 4339

STN International

FIZ Karlsruhe 1, Germany

Tel: (49-7247) 808555

Fax: (49-7247) 808666

USACO Corporation

13-12 Shinbashi 1-Chome, Minatoku, Tokyo 105, Japan

Tel: (03) 3502 6471

Fax: (03) 3593 2709

Sources:

Marcaccio, K.Y. (Ed.) 1994. Gale Directory of Databases. Gale Research, London. 2 Volumes.

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Brochures of Dialog, Data-Star, ECHO, DIMDI, Orbit, ESA-IRS

4.2 Compact Disks - Read-Only Memory Databases (CD-ROMs)

Contact addresses for ordering these CD-ROMs are given at the end of the section. Many are also available through book stores and other distributors.

AFRICAN DEVELOPMENT INDICATORS

Publisher: World Bank

Statistical data arranged in tables or matrices for 242 indicators of development in 52 African countries are presented. Indicators in 2 groups, economic and financial, social and environmental. Note: this publication is currently in diskette form, not a CD-ROM.

Timespan: 1980 - 90

AgECONCD

Publisher: CAB International

This product covers aspects of economics and policy related to agriculture, rural development, environment and forestry.

Timespan: 1973- Update: quarterly

AGRICOLA

Publisher: SilverPlatter

The National Agricultural Library database concentrates on agricultural subjects but includes related material such as ecology. The references are drawn from journals, books, theses, patents, audiovisual materials and technical reports. The CD corresponds to the printed product, Bibliography of Agriculture.

Timespan: 1970 - (various timespans available) Updated: quarterly

AGRIS

Supplier: SilverPlatter

The FAO produces an online product by this name in addition to the CD-ROM and the printed product Agrindex. Centres in over 100 countries contribute to the product. The coverage is primarily agricultural but relevant aspects include economics, development, forestry, aquatic sciences and fisheries and natural resources. The principal sources are books, journal articles and conference proceedings. Searchable in English, French, Spanish.

Timespan: 1986- Updated: quarterly

AGRISearch

Supplier: SilverPlatter

This CD-ROM product brings together five databases on research and development projects in agriculture, food and nutrition. These are: CRIS: produced by US Department of Agriculture describes projects within the Department and other agricultural, forestry and veterinary institutions. ICAR: produced by the Canadian Agricultural Research Council, a bilingual database of Canadian research projects. AGREP: produced by the Commission of the European Communities, the Agricultural Research project database contains records of European research in agriculture, fisheries, food science, and forestry. ARRIP: the Australian Rural Research in Progress database covers recent Australian research in agriculture, horticulture, forestry, fisheries, food technology and soil science. SIS: produced by the Special Program for African Agricultural Research, contains records for research in all areas of agriculture, with emphasis on the sustainable use and development of renewable natural resources.

Timespan: up to 10 years Updated: annually

AGROSTAT-PC

Supplier: Food and Agriculture Organization

Provides access to worldwide time series statistics on: agricultural production and trade; land use and inputs;

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nutrition; forestry; and population. AGROSTAT-PC is designed to supplement FAO's print publications and to provide faster dissemination of data for longer time periods. Note: this publication is currently in diskette form, not a CD-ROM.

Timespan: 1961- Updated: annually

ANTARCTICA - DIGITAL DATABASE

Publisher: British Antarctic Survey. Available from SCAR.

The database is a seamless digital map of Antarctica with the most up-to-date and complete coastline of the continent from which maps can be generated, used as a topographic framework, and provide, a common base for spatial data. software: PC ArcView, PC ARC/INFO, PC ArcCAD

AQUATIC SCIENCES AND FISHERIES ABSTRACTS (ASFA)

Publisher: SilverPlatter

This is a product of cooperation between UN agencies and national and regional input centres, which corresponds to three printed products: Biological Sciences and Living Resources, Ocean Technology, Policy and Non-Living Resources, Aquatic Pollution and Environmental Quality. Main subject fields include biology, ecology, fisheries, aquaculture, oceanography and limnology, resources and commerce, biotechnology, technology and engineering, and pollution. The main sources are journal articles, books, conference proceedings and technical reports.

Timespan: 1978- Updated: quarterly

BIOLOGICAL AND AGRICULTURAL INDEX

Publisher: H.W. Wilson

The CD-ROM corresponds to printed publication of the same title which comprehensively indexes over 2000 key scientific journals. The main pertinent areas covered are: agriculture, biology, botany, ecology, entomology, fishery sciences, forestry, genetics and zoology.

Timespan: 1983- Updated: monthly

BIOLOGICAL ABSTRACTS/RRM ON COMPACT DISC

Supplier: SilverPlatter

The corresponding printed product is the pre-eminent source of literature on biological subjects. As such its coverage includes agriculture, botany, ecology, environmental biology, forestry, genetics, systematic biology and zoology. The coverage is drawn from journals, books, papers from meetings and symposia and reports. Reviews of books can be used to determine the relevance of sources for purchase.

Timespan: 1989- Updated: quarterly

CAB-CD (CAB Abstracts)

Supplier: SilverPlatter

In this form all the CAB Abstracts journals are included. The subject coverage is agriculture and forestry including economics. Separate CD services are produced on some topics e.g. TREESCD, PlantGeneCD which cover much longer time periods. (See separate entries)

Timespan: 1984- Updated: annual

CIMMYT's MAIZE GERMPLASM DATABASE

Publisher: Centro Internacional de Mejoramiento de Maiz y Trigo

This product covers genetic information about more than 10,000 maize cultivars. The data is gathered from an impressive range of international agricultural organisations.

Timespan: 1940 - 87

COMPACT INTERNATIONAL AGRICULTURAL RESEARCH LIBRARY

BASIC RETROSPECTIVE SET 1962-1986

Publisher: Consultative Group on International Agricultural Research

This bibliographic and reference database corresponds to the publications of International Agricultural Research

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Centres full text, references, statistics and graphics. The main subject covered is forestry. Searchable in English, French or Spanish. Software: KAware 2 retrieval system. Cost: \$1950
Timespan: 1962-1986

DIRECTORY OF COUNTRY ENVIRONMENTAL STUDIES

Publisher: World Resources Institute

The diskette corresponds to the printed document of the same name but includes material from both the 1993 and the previous edition. The directory lists selected environmental and natural resource assessments, profiles and strategies for developing countries. These may relate to Biodiversity, forestry and natural resources, land forms and use. Note: this publication is in diskette form, not CD-ROM. Searchable in English, French or Spanish. Software: Micro CDS/ISIS.

EARTH SUMMIT

Publisher: International Development Research Centre

All documentation relating to the United Nations Conference on Environment and Development conference is included. The documentation includes the texts of the conventions, Agenda 21, reports of NGOs, and documentation from the preparatory stages, such as the country reports. Searchable in English, French, Spanish. Software: CCPUB.

ENDANGERED AND THREATENED SPECIES

Publisher: Quanta Press

This CD contains both text and images for all plants or animals listed in the U.S. Endangered Species Act. The coverage also includes wildlife recovery programs, status reports, scientific names and major programs. Software: MOST.

FAMILIES OF FLOWERING PLANTS

Publisher: CSIRO, Australia

The CD is aimed at those attempting to identify and classify flowering plants. It uses an interactive program, INTKEY. For every level there are morphological descriptions. The CD includes comprehensive information on plant distribution.

FISH OF THE NORTH-EASTERN ATLANTIC AND THE MEDITERRANEAN

Publisher: UNESCO full text, images

For approximately 1500 species of fish species name, habitat, distribution is given in full-text format with images where appropriate. software: proprietary.

FISH & FISHERIES WORLDWIDE

Publisher: National Information Services Corporation

This product depends on information provided by US Fish & Wildlife Service, JLB Smith Institute of Ichthyology, National Fisheries. The main aspects of interest are fish ecology, distribution, economic aspects. Software: ROMWright.

FISHBASE

Publisher: International Center for Living Aquatic Resources Management

This database includes information on all aspects of ichthyology and of fish as resources, e.g. nomenclature, distribution, ecology, reproduction, ecology, mortality. Software: Dataease.

Updated: annual

GEOBASE

Publisher: Elsevier Science

This CDROM combines six printed sources on a family of disks. Three speciality subsets of the data are available on separate disks, two of which are relevant viz: Geography (human and physical geography including international

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development) and ECODISC, focusing on all ecological sciences. Material covered is drawn from journals, books and reports.

Timespan: 1980- Updated: quarterly

INDEX KEWENSIS ON CD-ROM.

Publisher: Oxford University Press

The reference work is the most comprehensive registry of plant names, including family, genus and species. As the original publication and all 19 supplements are on one CD-ROM searching is greatly enhanced.

Timespan: 1893 -

LIFE SCIENCES COLLECTION

Supplier: SilverPlatter

The CD product corresponds to 20 different abstracts journals whose coverage includes: entomology, ecology, agriculture. The product is promoted to those looking for an interdisciplinary approach to the life sciences.

Timespan: 1982- Updated: quarterly

OCEANOGRAPHIC & MARINE RESOURCES VOLUME 2

Publisher: National Information Services Corporation

The bibliographic references cover selected material from 1807 to 1959 and completely from 1960 to date. The relevant subject areas are marine resources, law and policy. Software: ROMWright.

NATURAL RESOURCES METABASE

Publisher: National Information Services Corporation

The database is compiled from more than 40 US and Canadian government databases. This compilation concentrates on the effects on natural resources (wetlands, Pacific islands, ecosystems, national parks, endangered species etc) of human actions and changes in natural phenomena primarily in the US, Canada and the Pacific. Software: ROM Wright.

Timespan: 1989 -

PLANTGENE-CD

Publisher: CAB International

This joint CAB International and International Board for Plant Genetic Resources product covers the literature of plant breeding, genetic resources. The main sources are journal articles, books, reports and conference proceedings.

Timespan: 1974- Updated: quarterly

SESAME

Publisher: Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement

This bibliographic database covers French-language literature, although most have English titles added, on sub-tropical and tropical agriculture and rural development. Many of approximately 150,000 references are unique to the source. Indexing is by a thesaurus in both English and French. Software: GTI

Special rates apply outside Europe and North America

SMITHSONIAN ON DISC - CATALOG OF THE SMITHSONIAN INSTITUTION LIBRARIES ON CD-ROM

Publisher: GK Hall

Some of the 16 libraries of the Smithsonian hold material very relevant to conservation of biological diversity. Although a US institution, its coverage extends far beyond national boundaries.

TREECD

Publisher: CAB International

This product, comprising one CD, corresponds to the abstracting service Forestry Abstracts since its inception in 1939 and includes all Forest Products Abstracts and Agroforestry Abstracts. In all over 300,000 abstracts are included.

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Timespan: 1939- Updated: annual

TROPAG AND RURAL

Supplier: SilverPlatter

In printed form Abstracts on Tropical Agriculture and Abstracts on Rural Development in the Tropics cover the same ground. The subject area, as the name suggests, is literature about practical aspects of agriculture in tropical and subtropical regions and rural development including economic policy and planning, environment and natural resources. The product's strength is its coverage of these subjects in France and Francophone developing countries.

Timespan: 1975- Updated: twice a year.

WILDLIFE REVIEW AND FISHERIES REVIEW

Publisher: National Information Services Corporation

As the name suggests, the printed products 'Wildlife Review' and 'Fisheries Review', form the basis for this CD-ROM, which covers international literature on mammals, birds, amphibia and reptiles, habitats, management techniques, natural history, hunting and propagation. Good taxonomic and geographic indexing helps searching. No Abstracts. Software: ROM Wright.

WILDLIFE WORLDWIDE

Publisher: National Information Services Corporation

The product corresponds to 'Wildlife Review', the indexing service produced by US Department of the Interior, National Biological Survey and online sources e.g. Waterfowl and Wetlands. The product covers the literature on mammals, birds, reptiles and amphibians. No abstracts of the literature are provided. Software: ROMWright.

WORLD RESOURCES DATA BASE DISKETTE

Publisher: World Resources Institute

This source gives a substantially expanded version of the data in part 4 of the printed volume of World Resources. One can browse or extract data with the aid of a number of mathematical or statistical functions from more than 500 variables (e.g. forests and rangeland, biodiversity, landcover, agriculture, number, species density, protected areas, trade, habitats) for almost 200 countries. Time series varying between 1 year and 40 years are included. Note: this publication is currently in diskette format, not CD-ROM.

ZOOLOGICAL RECORD ON COMPACT DISC

Supplier: SilverPlatter, Microinfo

This product corresponds to the print one, Zoological Record, which concentrates on every major area of zoology with emphasis on animal biology. In addition to covering over 6000 international serials conference proceedings, books and reports are carefully screened for inclusion.

Timespan: 1978- Updated: quarterly

Addresses for Ordering CD-ROMs

CAB International

Wallingford, Oxon OX10 8DE, United Kingdom

Tel: (44-1491) 832111
Fax: (44-1494) 833508
Telex: 847964 COMAGG G

CAB Interantional

PO Box 11872, 50760 Kuala Lumpur, Malaysia

Tel: (603) 255 2922
Fax: (603) 255 1888
Telex: 28031 MA CABI

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Lisboa 27, Apartado 6-641, 06600 Mexico DF, Mexico

Tel: (95 525) 726 9091

Fax: (91 525) 954 1069

(or contact CGNET Services International)

CGIAR - Consultative Group on International Agricultural Research

1818 H Street NW, Washington DC 20433, USA

Tel: (1-202) 473 8946

Fax: (1-202) 334 8750

(or contact CGNET Services International)

CGNET Services International

1024 Hamiton Court, Menlo Park, CA 94025, USA

Tel: (1-415) 325 3061

Fax: (1-415) 325 2313

CIRAD - Centre de Coopération Internationale en Recherche Agronomique pour le Développement

Avenue du Val Montferrand, B.P. 5035, F-34032 Montpellier Cedex 1, France

Tel: (33) 67 61 58 00

Fax: (33) 67 61 58 20

CSIRO Information Services

P.O. Box 89, (314 Albert Street), East Melbourne, Victoria 3002, Australia

Tel: (613) 418 7307

Fax: (613) 419 0459

Elsevier/Geo Abstracts

Regency House, 34 Duke Street, Norwich NR3 3AP, United Kingdom

Tel: (44-1603) 626327

Fax: (44-1603) 667934

Food and Agriculture Organization of the United Nations

Viale delle Terme di Caracalla, Rome 00100, Italy

Tel: (39-6) 57971

Fax: (39-6) 594408

GK Hall

866 Third Avenue, 17th Floor, New York, NY 10022, USA

Tel: (1-212) 702 6789

Fax: (1-212) 605 9350

ICLARM - International Center for Living Aquatic Resources Management

MC PO Box 2631, 0718 Makati, Metro Manila, Philippines

Tel: (63-2) 817 5163

Fax: (63-2) 816 3183

IDRC - International Development Research Centre

250 Albert Street, P.O. Box 8500, Ottawa, Canada K1G 3H9

Tel: (1-613) 236 6163

Fax: (1-613) 238 7230

Telex: (053-3753

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NISC - National Information Services Corporation

Wyman Towers, Suite 6, 3100 St Paul Street, Baltimore, MD 21218, USA

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Fax: (1-410) 243 0982

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200 Madison Avenue, New York, NY 10016, USA

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Fax: (1-212) 725 2972

Oxford University Press - Electronic Publishing Division

Walton Street, Oxford OX2 6DP, United Kingdom

Tel: (44-1865) 267979

Fax: (44-1865) 56646

Oxford Forestry Institute

Department of Plant Sciences, University of Oxford, South Parks Road, Oxford OX1 3RB, United Kingdom

Tel: (44-1865) 275068

Fax: (44-1865) 275074

Quanta Press Inc

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Fax: (1-612) 623 4570

SCAR Secretariat

Scott Polar Research Institute, Lensfield Road, Cambridge CB2 1ER, United Kingdom

Tel: (44-1223) 62061

Fax: (44-1223) 336549

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Tel: (1-617) 769 2599 / (1-800) 343 0064

Fax: (1-617) 769 8763

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P.C. Hooftstraat 116, 1071 CD Amsterdam, The Netherlands

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Fax: (31-20) 675 50 03

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Tel: (1-415) 883 3000

Fax: (1-415) 883 3303

UNESCO

7 place de Fontenoy, F-75352 Paris 07 SP, France

Tel: (33-1) 45 68 10 00

Fax: (33-1) 42 73 30 07

H.W. Wilson

950 University Avenue, Bronx, NY 10452, USA

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Fax: (1-718) 590 1617

World Bank
1818 H Street, Washington, DC 20433, USA
Tel: (1-202) 477-1234
Fax: (1-202) 477-6391

World Resources Institute
1709 New York Avenue, NW, Washington, DC 20006
Tel: (1-202) 638-6300
Fax: (1-202) 630-0036

Sources:

Finlay, M. (Ed.) 1993. *The CD-Rom Directory 94 with Multimedia CD's*. 11th edn. TPFL Publishing, London. xv + 1034pp.

SilverPlatter Directory: a directory of electronic information products. SilverPlatter, London. 73pp. 1994. *Microinfo CD-ROM Catalogue including CD-ROM Hardware*. Microinfo, Alton, Hampshire, UK. 80pp. October 1994.

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Chapter 5. Electronic Networks and Conferences: Internet and Others

5.1 Introduction, by Kevin Grose

"Electronic communication", "e-mail", "Internet", "APC", "ftp" are all terms which appear more and more. Magazine and newspaper articles speak of "information highways", the "Web", and "interconnectivity" while business cards are beginning to feature e-mail addresses. The information below provides a brief introduction to electronic communication, offers some definitions of the concepts and terminology and describes how it can be used.

This section is followed by a description of information resources available on the electronic networks.

What are electronic networks?

Electronic networks are, in fact, chains of interconnected computers. The first networks were created in the 1970s in the United States where governmental and research institutions wanted to maximize the use of powerful computers located at different sites around the country. By using telecommunication lines to link these machines, it became possible for a scientist in California to access a computer in New York. Nowadays, it is possible for the general public to take advantage of this form of communication. Just as you dial a telephone number to call someone, you can "dial" another computer in the same city or on the other side of the world.

Where the telephone system creates a voice connection, the electronic network bundles into "packets" the data from your computer. These packets are "stamped" with the "address" and are dropped into an electronic mailbox. Once in the mailbox, streams of packets are sent over any number of paths to reach the right computer. This process is called "packet switching".

To keep all of this information flowing in the right direction, there are certain rules which must be followed. They are called "protocols". These protocols are standards which govern the software and hardware and ensure that different machines can communicate with each other. A common telecommunications protocol is TCP/IP (Transmission Control Protocol/Internet Protocol). Indeed the Internet is the international network which results from the interconnection of these networks using the TCP/IP protocols. More than 20 million computers are now connected to this network of networks.

There are three basic Internet services: Telnet, E-mail and FTP.

Telnet allows you to connect to and use a remote computer. Using Telnet you can "log on" to a remote host computer as though it were in the next room. To help locate information, databases and other services, you can "telnet" to a "gopher". A gopher is a menu system that makes available the resources of the Internet on your computer screen. Also available is "Veronica" which allows you to search menu options across all gopher space.

Telnet has been expanded by the World Wide Web (WWW). Hypermedia is the foundation of WWW (media refers to any type of data such as text, audio, or graphic). Hypermedia connects the media or computer data so that any document is linked to another. You can move between hypermedia documents and explore related documents at your own pace, navigating in whatever direction you choose. For example, IUCN's Library and the IUCN Environmental Law Centre are cooperating with CIESIN - The Consortium for International Earth Science Information Network - to develop a WWW guide to IUCN's information (the Internet address is <http://www.ciesin.org> or you can request further information from: ciesin.info@ciesin.org).

E-mail (electronic mail) allows you to send electronic messages from one computer to another. By entering the e-mail address, you can type a message and send it via the network. The message will be deposited into the addressee's electronic mail box where it can be read, stored, copied or forwarded. The address is often some component of the recipients name followed by the @ symbol and additional abbreviations indicating the affiliation

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of the recipient, be it an organization, business, government agency, or private subscription service. For example, the general IUCN address is: mail@hq.iucn.ch.

E-mails sent to Mailinglists are automatically re-sent to anyone having an address on the list. Those receiving a message from the list can then reply to it and a copy will be sent to all others on the mailing list. These lists are sometimes called mail reflectors or discussion groups. Mailing lists may also be moderated by a list administrator who weeds out duplicates or inappropriate messages. A more sophisticated version of a mailing list is a *Listserv* which has an automated subscription feature and offers other services much like a bulletin board. For example, the World Conservation Monitoring Centre (WCMC) maintains a "Listserv" dealing with trade in endangered species and CITES-related issues ("cites-l@wcmc.org.uk", for more information contact WCMC at: info@wcmc.org.uk).

FTP (File Transfer Protocol) is a method of downloading (transferring) files over the Internet. Thousands of files containing text, graphical and sound information as well as data sets are available free at FTP sites. Using search tools such as "Archie" you can identify the files that are of interest and then "ftp" them to your computer. This method of document delivery not only saves time but has the added advantage that the information is in digital form and can be used on any personal computer (PC). Some FTP sites have a feature called "mailftp" by which you can send an e-mail to an FTP site, obtain a list of documents stored and select the documents you wish to be sent to you.

While Internet is fast becoming the de facto standard, there are other important networks. One is the APC Network (Association for Progressive Communications), an international non-profit organization dedicated to facilitating progressive social change through cooperative local and global computer networking. Unlike Internet which is mostly a "northern" phenomenon, the APC network represents a partnership of NGOs from north and south. Like Internet, APC networks have e-mail and file transfer facilities and maintain hundreds of electronic conferences. These conferences (such as "IUCN.news" on GreenNet - for information contact support@gn.apc.org) are Bulletin Board Systems where you can access a conference, check on newly posted items, send a reply or download the text of a posted item to your PC. The APC network provides a gateway, or bridge that translates data between the APC network and the Internet.

Why are networks useful?

Using e-mail, you can communicate quickly with people all over the world. If you require expert advice to solve a problem or want to be kept informed, e-mail can help.

E-mail combined with other information tools, services, and resources will help people to communicate better and, perhaps more importantly, offer more people than ever before the opportunity to contribute to world debate by exchanging their ideas and views.

And the cost? Surprisingly low, indeed, some IUCN offices have found that it is cheaper for them to communicate using e-mail than telephone or fax. Remember, though, that e-mail does have its disadvantages. It is digital information and subject to corruption or alteration. It does not bear a signature and will probably not be considered legal. Confidentiality can, likewise, not be guaranteed.

How can you connect to electronic networks?

The simplest access requires only a PC loaded with telecommunications software such as "Kermit" or "CrossTalk", a modem (a device which links computers over a telephone line) and a telephone line. You can then dial the nearest network node, a communications centre via which messages pass. The cost of accessing the networks is normally the cost of a local call to the node plus the cost of an account or subscription with the node. Nearly 140 countries have international network connectivity. To find out how you can connect, ask someone in a university computer science department near you, or contact an NGO with links abroad or the local Post and Telecommunications Office.

Electronic Networks and Conferences

Once you have identified the local node administrator, they will help you connect.

If you cannot find a local contact, you can write to one of the members of the Association for Progressive Communications (APC). Members organizations are in Argentina, Australia, Brazil, Canada, Ecuador, Germany, Nicaragua, Russia, South Africa, Sweden, United Kingdom, United States, and Uruguay. Since they all cooperate to provide international services, general information can be obtained from any members, such as

GreenNet, 23 Beveden Street, London Ni 6BH, United Kingdom

Tel: (44-71) 608-3040

Fax: (44-71) 253-0801

E-mail: support@gn.apc.org

EcoNet, Institute for Global Communications, 18 De Boom Street, San Francisco, CA 94107, USA

Tel: (1-415) 442-0220

Fax: (1-415) 546-1794

E-mail: support@igc.apc.org

For more information about electronic networks, including information on how to organize training for Internet the following publications are recommended:

ALL ABOUT INTERNET FTP: learning and teaching to transfer files on the Internet. Robinson (DFW). 1994: 90p. Supplement to Crossing the Internet Threshold. San Carlos, CA, USA: Library Solutions.

CROSSING THE INTERNET THRESHOLD: an instructional handbook. Tennant (R). Second edition, 1994: 169pp. Includes illustrations suitable for handouts and transfer to overhead projector transparencies. San Carlos, USA: Library Solutions.

INTRODUCING THE INTERNET: a trainer's workshop. Jaffe (LD). 1994: 92pp. Supplement to Crossing the Internet Threshold. San Carlos, CA, USA: Library Solutions.

Library Solutions, 11100 Industrial Road Suite 9, San Carlos, CA 94070

Fax: (1-415) 594-0411

E-mail: info@library-solutions.com

5.2 Internet Resources: Mailinglists, by Eric Howard, with assistance of David Dunkley, Kevin Grose, Daniel Wendling and J. Scott Christenson

The "listserv" format is accessible to anyone with e-mail. Mailinglists usually have two main functions:

- 1) to handle automated mailing for a discussion group/list about a subject, where anyone who has joined the group can mail a message to the mail-managing program (e.g. the listserv computer program) and it gets broadcast to all participants, and
- 2) to serve as a file archive which can distribute files based on request commands contained in e-mail.

An example of a new ListServ announcement and information on how to subscribe is given below:

The Smithsonian Institution, in cooperation with the University of California at Berkeley, is pleased to announce the creation of a new listserver, BIODICEN-L Listserv

This listserv is a forum for informal, open discussion of information management options and issues for the proposed U.S. National Biodiversity Information Center. Contributions and discussions in this list may help to shape the final proposal for the Center. This list is unmoderated. This list may be of interest to those with a general interest in biodiversity information sources and tools. New subscribers from any sector are welcome. Readers can find a straw description of the Center concept in the Smithsonian National

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Museum of Natural History's gopher, nmnhgoph.si.edu, under Biodiversity Programs.

To subscribe, send the message:

"SUBSCRIBE BIODICEN-L <firstname> <lastname>" to:

"listserv@ucjeps.berkeley.edu"

To post to the list, e-mail your message to:

"biodicen-l@ucjeps.berkeley.edu"

To unsubscribe, send the message "UNSUBSCRIBE BIODICEN-L" to:

"listserv@ucjeps.berkeley.edu"

For a brief list of commands, send the message "HELP" to:

"listserv@ucjeps.berkeley.edu"

For direct communication with a real person, e-mail to:

"listserv-request@ucjeps.berkeley.edu"

Replies to posted messages go to the entire list of subscribers.

5.2.1 Listservers from the Conservation Resources Guide

(a selection from Wendling and Christianson, November 1993. Also includes information UNEP INFOTERRA Subscription List):

AQUA-L

LISTSERVER (Internet): LISTSERV%VM.UoGuelph.CA@VM1.NoDak.EDU

Moderator: T. B. (Ted) White

DESCRIPTION: "The purpose of the list is to promote discussion amongst individuals interested in the science, technology and business of rearing aquatic species. In the spirit of open discussion, membership in the list is public and unrestricted. Potential topics include: Problems and solutions rearing aquatic larvae, Diseases, parasites and pathology, Water quality, Recirculation technology and applications, Research aquatic systems design and operation, Commercial aquatic systems design and operation, Site selection and environmental impact, New species under culture, Genetics, sex reversal and hormonal manipulation, Computers in aquaculture, Public perceptions of aquaculture, Aqua-business."

BEE-L

LISTSERVER (Internet): LISTSERV%ALBNYVM1.BITNET@CUNYVM.CUNY.EDU

DESCRIPTION: "BEE-L is for the discussion of research and information concerning the biology of bees. This includes honey bees and other bees (and maybe even wasps). We communicate about sociobiology, behavior, ecology, adaptation/evolution, genetics, taxonomy, physiology, pollination, and flower nectar and pollen production of bees."

BIOSPH-L

LISTSERVER (Internet): LISTSERV%UBVM.BITNET@VM1.NODAK.EDU

Moderator: Dave Phillips

DESCRIPTION: The BIOSPH-L list is concerned with "anything relating to the biosphere, pollution, CO-2 effect, ecology, habitats, climate, etc., Basically anything that exerts an influence of some kind or another on the BioSphere." BIOSPH-L is one of the best lists we have found, averaging about four good messages a day. Its' activity reflects the enthusiasm of BIOSPH-L's subscribers; besides an active discussion, several users upload press releases and articles.

BNFNET-L

LISTSERVER (Internet): LISTSERV@FINHUTC.BITNET

Moderators: Eng-leong FOO and Robert HARPER

DESCRIPTION: "BNFNET-MIRCEN" was established in 1990 by UNESCO's MIRCEN (Microbiological Resource Center) Network for Environmental, Applied Microbiological and Biotechnological Research for people who have a professional interest in biological nitrogen fixation (BNF). Members of BNFNET-MIRCEN primarily use computers to communicate with each other by electronic mail ("e-mail"). The members of BNFNET-l have grouped themselves into the following 6 discussion groups : * Legume-Rhizobium Group * Nitrogen Fixing Trees Group * Genetics/Biochemistry Group * Free-living Fixers Group * Culture Collections Group * Computer Networking

Electronic Networks and Conferences

Group".

CERRO-L

LISTSERVER (Internet): LISTSERV@aearn.edvz.uni-linz.ac.at

Moderator: Gunther Maier

DESCRIPTION: "CERRO-L is a list discussing issues of relevance to regional development and regional development research in Central Europe. CERRO-L discusses topics from a broad range of related disciplines: regional science, economic geography, regional and urban planning, environmental economics, regional sociology, policy analysis, regional political economy and institutions, etc. It is the intention of CERRO-L to stimulate and support regional research in and about the newly re-emerging region of "Central Europe" and to enhance contacts and discussion between researchers and scholars interested in these areas."

CITES-L

LISTSERVER (Internet): LISTPROC@WCMC.ORG.UK

Moderator: Helen Corrigan

DESCRIPTION: CITES-L hopes to provide a forum for discussions on wildlife trade and CITES (Convention on International Trade in Endangered Species) related issues. There are postings of CITES Notifications and Resolutions as they are issued by CITES as are proposals to amend Appendices by the IUCN Species Survival Commission.

CLASS-L

LISTSERVER (Internet): LISTSERV%SBCCVM.BITNET@CUNYVM.CUNY.EDU

Moderators: Bill Day and Jim Rohlf

DESCRIPTION: "Mailing list and file server for researchers in classification, clustering, phylogenetic estimation, and related areas of data analysis. CLASS-L provides facilities to: Enable researchers to mail messages automatically to all subscribers, Provide researchers with announcements, newsletters, and information about classification and clustering."

CONSLINK

LISTSERVER (Internet): LISTSERV@SIVM.SI.EDU

LISTSERVER (BITNET): LISTSERV@SIVM

Moderator: Michael Stuewe

DESCRIPTION: CONSLINK is "a BITNET-Based Electronic Conference and Bulletin Board on all Topics of Biology Conservation" supported by the Smithsonian Institution. "Topics of general interest include dates of conferences, symposia, and workshops; new publications; grants and positions that have become available." (See the separate heading for CONSLINK for other files and services available through of this resource.) CONSLINK is the name of a discussion group about biological conservation maintained at this site. It also has an archive of files, which includes the following newsletters:

- Biological Conservation Newsletter from the Dept of Botany at the Smithsonian
- Biodiversity Conservation Strategy Update from the World Resources Institute
- Captive Breeding Specialist Group News from IUCN
- Conservation Digest Journal of Biopolitics, published by the Parsons Group
- Environmental Information Systems News from the Program on EIS in Sub-saharan Africa at the World Bank
- Meetings, a list of conferences, symposia and workshops related to biological conservation
- TROPINET, published by the Association for Tropical Biology

ECONOMY

LISTSERVER (Internet): LISTSERV@TECMTYVM.MTY.ITESM.MX

Moderator: Alejandro Ibarra

DESCRIPTION: "The economy and economic problems of Less Developed Countries (LDCs) have become real laboratories for both the economic discipline, and economic policy measures. This discussion list is aimed at

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analyzing economic problems, theories, policies, social conditions, political settings, etc., of LDCs and their relationship with the industrial world."

ENB

LISTSERVER (Internet): LISTSERVER@CIESIN.ORG

DESCRIPTION: ENB is a reporting service for environment and development negotiations. As such it covers the proceedings of all UN conferences and meetings of contracting parties to environmental conventions such as the Convention on Biological Diversity. Highly useful service for those wanting to follow or influence the debate. ENB is published by the International Institute for Sustainable Development.

ENVBEH-L

LISTSERVER (Internet): LISTSERV%POLYGRAF.BITNET@MITVMA.MIT.EDU

Moderators: Richard Wener and Tony Monteiro

DESCRIPTION: "Mailinglist on Environmental Behavior: Environment, Design, and Human Behavior. ENVBEH-L is a discussion on a variety of topics concerning the relations of people and their physical environments, including architectural and interior design and human behavior, environmental stress (pollution, catastrophe) and behavior, human response to built and natural settings, etc."

ENVINF-L

LISTSERVER (Internet): LISTSERV@NIC.SURFNET.NL

Moderators: Jos Boelens and Peter Maarleveld

DESCRIPTION: Mailinglist for environmental scientists. It distributes recent information about publications, courses, educational programmes, workshops, conferences and new Internet resources.

ENVST-L

LISTSERVER (Internet): LISTSERV@BROWNVN.BITNET

Moderator: Sandra Baptista

DESCRIPTION: "The purpose of this list is to exchange information about Environmental Studies (ES) programs, generally -- about course designs, successful student projects, important information sources, etc. We invite all who have a serious interest in ES at the undergraduate and graduate levels. Some topics that might be of interest are: the balance between science/social science/humanities in our degrees; the role of project classes and individual applied projects in our programs; our relations with more traditional departments and disciplines; and even exciting new ideas that we would like to refine."

ETHOLOGY

LISTSERVER (Internet): LISTSERV%FINHUTC.BITNET@CUNYVM.CUNY.EDU

Moderator: Jarmo Saarikko

DESCRIPTION: "A mailing list for the discussion of animal behaviour and behavioural ecology. Possible topics could be e.g. new or controversial theories, new research methods, and equipment. Announcements of books, papers, conferences, new software for behavioural analysis etc., are also encouraged."

FMDSS-L

LISTSERVER (Internet): LISTSERV@PNFI.FORESTRY.CA

Moderator: Tom Moore

DESCRIPTION: "The [Forest Management Decision Support Systems] discussion group is a forum for rapid exchange of information, ideas, and opinions related to the topics of decision support systems and information systems for forest management planning. The operation of this list is sponsored by the Forest Management Decision Support Systems Initiative of Canada's Green Plan."

GREEN

LISTSERVER (Internet): LISTSERV@INDYCMS.IUPUI.EDU

Electronic Networks and Conferences

Moderator: John B Harlan

DESCRIPTION: "Green is dedicated to the study of Green movements worldwide and their influence on public opinion and public policy. The scope of the list's discussion is global: all Green movements, at every level, are of interest to this list. Of special interest to the list is the emerging Green movement in the US -- how it is being organized by various competing elements, how it is being influenced by other Green movements worldwide (especially European), how it is interacting with those movements, and how it is influencing American public opinion and public policy on the local, state, regional and national level. It is emphasized that the purpose of Green is the *study* of Green movements. Green is *not* a tool for organizing or promoting those movements. In keeping with policies defining the appropriate use of academic networks (which often include prohibitions on explicit political activism), adherence to the stated purpose of this list is strictly monitored and enforced."

HUMBIO-L

LISTSERVER (Internet): HUMBIO-REQUEST@ACC.FAU.EDU

Moderator: M.Y. Iscan and Ralph P Carpenter

DESCRIPTION: "Humbio-L is an unmoderated discussion list dealing with biological anthropology, adaptation, environmental stress, biological race, growth, genetics, paleoanthropology, skeletal biology, forensic anthropology, paleodemography, paleopathology, primate biology & behavior. ..."

INFOTERRA

LISTSERVER (Internet): LISTPROC@PAN.CEDAR.UNIVIE.AC.AT

Moderator: UNEP INFOTERRA

DESCRIPTION: The United Nations Environment Programme's INFOTERRA subscription list is a public list intended for exchanging information on environmental topics; posing queries to the INFOTERRA network; requesting information from UNEP; and raising environmental awareness in general.

Subscription to this list is open. In addition to posing queries, subscribers are encouraged to respond to queries as well, since this list will ultimately be comprised of both sources and users of environmental information on a global basis. Subscribers may also post announcements of new publications, gophers, lists, information services, etc., and upcoming meetings, seminars, training courses, etc., which are of general environmental interest. Contributions from UNEP partners in the UN Common System, IGO/NGO community and governmental sector are particularly welcome.

COMMERCIAL ADVERTISEMENTS MUST NOT BE SENT TO THE INFOTERRA LIST!

Keys: United Nations, environment, program, UNEP, information, exchange, data, climate, biodiversity, energy, development, Agenda 21, network

MARINE-L

LISTSERVER (Internet): LISTSERV@UOGUELPH.BITNET

Moderator: Melc'ir Erskine-Richmond and Ted White

DESCRIPTION: "MARINE-L is an open Forum for the discussion and development of Marine-related Studies, and Semester-at-Sea/Education-at-Sea programs, including the development of e-mail connectivity at sea."

SCOUT-REPORT

LISTSERVER (Internet): MAJORDOMO@IS.INTERNIC.NET

Moderator:

DESCRIPTION: The scout-report mailing list at InterNIC Information Services is a distribution-only list for the *Scout Report*. Subscribing to the scout-report means that you will automatically receive the electronic version of the Scout Report each week. The Scout Report is a fast convenient way to stay informed on network activities in ALL subject areas. Its purpose is to combine in one publication the highlights of new resource announcements and other news that occurred on the Internet during the previous week.

ORCHIDS

LISTSERVER (Internet): MAILSERV%SCU.BITNET@CUNYVM.CUNY.EDU (see below)

A Sourcebook for Conservation and Biological Diversity Information

Coordinator: Willis Dair

DESCRIPTION: "This unmoderated list was created to share and discuss information and experiences of orchid growers. ..."

POP-BIO

LISTSERVER (BITNET): LISTSERV@IRLEARN

Moderator: Vincent Bauchau

DESCRIPTION: Population Biology is a synthesis of population ecology and population genetics, pursuing a unified theory to explain the structure, functioning and evolution of populations of living beings. Such populations are very complex systems, exhibiting a variety of phenomena that we still do not master. Just to quote a famous example, multi-annual density cycles (e.g. in lemmings) have not received a satisfactory explanation, despite of decades of debated studies and speculations. Population Biology is a very active field, encompassing such diverse approaches as tenacious, harsh field work to track long term demographic and genetic fluctuations, or sophisticated conversations with a computer about strange attractors possibly causing chaos in the density fluctuations."

SIIN-L

LISTSERVER (Internet): LISTSERV@UNB.CA

Moderator:

DESCRIPTION: Small Island Information Network is a discussion group dedicated to the special problems of small island nations. The list focuses on sustainable development and environmental issues.

5.2.2 Other Internet Mailinglists

These mailinglists are "usenet" newsgroups, some of which are maintained by the Association for Progressive Communications (APC). For more information contact: support@igc.apc.org

bit.listserv.biosph-l

Description: Echo of a BitNet ListServ conference discussing pollution, CO2 effect, ecology, habitats, climate, etc.

Keys: environment, ozone (bitl.biosphere)

bitl.conslink

Description: a Binet ListServ discussion on Biological Conservation

Contacts: conslink@sivm

Keys: bitnet, listserv, mailinglist, conservation, biology

bitl.ecolog

Description: A list, maintained for members of the Ecological Society of America (ESA), for distribution and archiving of information of interest to ESA members.

Sponsor: IGC Conservation Biology Desk

Contacts: consdesk@igc.apc.org

Keys: biodiversity ecology biology jobs environment announcements

bitl.marine

Description: Open Forum for the discussion and development of Marine-related Studies, and Semester-at-Sea/Education-at-Sea programs, including the development of e-mail connectivity at sea.

keys: bitnet, listserv, mailinglist, marine, electronic communications, networking, coastal, database, parks, ecosystems

list.ar-news

Description: Moderated mailinglist is the public news wire of the Animal Rights Electronic Network

Electronic Networks and Conferences

(AREN), an organization dedicated to providing mechanisms for the exchange of ideas and information pertaining to the issues of animal rights/welfare.

Keys: animal cruelty, ethics, farming, fishing, fur, hunting, lab, liberation, news, pets, rights, trapping, vegan, vegetarianism, vivisection

list.asia-re

Description: Asian conservation and RE projects and career opportunities. Most of the participants are likely to be international students at American universities.

Keys: renewable energy

list.bene

Description: Biodiversity and Ecosystems Network

Keys: biodiversity ecosystem management animal species flora fauna

list.biodicen

Description: Discussion of information management options and issues for the proposed U.S. National Biodiversity Information Center. Contributions and discussions in this list may help to shape the final proposal for the Center.

Keys: ecosystems, sustainable development, natural resources

list.biodiv-L

Description: The intention of this list is to discuss technical opportunities, administrative and economic issues, practical limitations and scientific goals, leading to recommendations for the establishment of a biodiversity information network.

Contact: dora@bdt.ftpt.br.

list.cites

Description: A list maintained by the World Conservation Monitoring Centre (WCMC) for discussion and postings of issues relating to the trade in wildlife and the Convention On International Trade In Endangered Species (CITES).

Keys: trade, wildlife, conservation, poaching, endangered species, biodiversity, monitoring, traffic

list.coastnet

Description: Topics related to the Coastal Zone Management Act.

Keys: coastal management, coast, off shore oil, off-shore oil, biodiversity, development, resources, marine habitat

list.consbio

Description: A collection of publications in the field of conservation biology.

Sponsor: IGC Biodiversity Project

Contacts: consdesk@igc.apc.org

Keys: indigenous, inventory, species, genetic, ecosystem, biodiversity, nbs, extinct, life, form, natural, area, nature, animal, plant, microorganism

list.ecofem

Description: EcoFem, *Studies in Women and Environment*. ECOFEM is an international forum in which a variety of viewpoints concerning women and the environment may be discussed.

Keys: feminism, gender, ecology, conservation, recycle, recycling, energy

list.eco-fund

Description: ECO-FUND is a list devoted to the discussion of environmental finance issues and is hosted by the Environmental Finance Center of the Coastal and Environmental Policy Program and the Maryland Sea Grant College, both part of University of Maryland System

A Sourcebook for Conservation and Biological Diversity Information

keys: funding

list.firenet

Description: News and discussion forum about rural and landscape fire, including fire behaviour, fire weather, fire prevention, mitigation and suppression, plant and animal responses to fire and all aspects of fire effects.

Keys: forest fire, biodiversity, community, ecology, weather, climate, trees, wildland, wilderness

list.fmdss

Description: Information related to forest management decision support systems (FMDSS) and information systems for forest management planning. The list is sponsored by the FMDSS Initiative of Government Canada's Green Plan.

Keys: forest, policy, process, public, community, biodiversity, native, indigenous, taiga, boreal

list.fungus

Description: Mushroom cultivation (both hobby and commercial) and related mycology resources.

Keys: forest

list.marmam

Description: Discussion about research and conservation of marine mammals, as well as for posting conference or meeting announcements, volunteer opportunities, new techniques available, or books and papers published.

Keys: marine mammal, water, biodiversity, aquatic, animal, endangered species, pollution, jobs, seal, walrus, whale, otter

list.tap-resou

Description: TAP-RESOURCES is an Internet Distribution List which will provide information on issues relating to the management of publicly owned natural resources. It is not a discussion list, but rather a relatively low volume distribution list of TAP postings.

Keys: timber, old growth forests, grazing, oil, gas, energy, mining, Taxpayer Assets Project

5.3 APC Computer Conferences, by Eric Howard

A number of environmental organizations manage computer 'conferences.' Conferences provide a forum for like-minded individuals to read and/or post newsletters, ideas, questions, tips about information resources, etc. Some conferences are private: only certain individuals have access to the text. Some are read only, but the majority allow individuals to read documents as well as post replies. A selection of conferences available through the Association for Progressive Communications (EcoNet, GreenNet, etc) is given below: The Internet address for the contact is <name>@igc.apc.org

5.3.1 APC Public Conferences:

act.rags.oz

Description: rainforest Action Groups of Australia - news and coordination of activities.

Sponsor: Pegasus Networks - Australia

Contacts: peg:rainfaus

Keys: forests

biodiversity

Description: Preservation of biological diversity is of unprecedented urgency. Continued destruction of habitat may be detrimental to all plants, animals and microorganisms. More than ten percent of the world's species could be extinct by the turn of the century.

Contacts: consdesk

Electronic Networks and Conferences

Keys: conservation, biology, species, genetic, ecosystem, diversity, gis, extinct, life, form, natural, area, nature, animal, plant, microorganism

biodiv.news

Description: Collection of publications in the field of conservation biology. <biodiv.news> is a daughter of the APC-wide conference <biodiversity>.

Sponsor: IGC Biodiversity Project

Contacts: consdesk

Keys: conservation, biology, species, genetic, ecosystem, biodiversity, extinct, life, form, natural, area, nature, animal, plant, microorganism

climate.forum

Description: News, information, and discussion on global climate change, ozone depletion, and other climate-related issues.

Contacts: larris

Keys: energy, ozone, carbon, dioxide, climate, air, pollution, agriculture, transportation, conservation, fluorocarbons, halons, deforestation

dev.humansettl

Description: Information concerning human settlements, encompassing all the structures and processes associated with the human habitat. Focus will be on presenting items that deal with the problems of the world's cities, towns and villages.

Sponsor: Assoc for Progressive Communications

Contacts: web:robrien

Keys: development, settlements

env.bioregions

Description: Organizing our bioregions, promoting cultural diversity, building alliances and coalitions.

Keys: gender, race, class, animals, species

env.biotech

Description: Weekly news summary of biotechnology issues.

Sponsor: Institute for Agriculture and Trade Policy

Contacts: iatp

Keys: biotechnology, biodiversity, genetics, germplasm, intellectual property

env.coasts

Description: Coastal issues in California and elsewhere.

Sponsor: North Coast Environmental Center

Contacts: aalm/nec

Keys: coast, ocean, beach, access, recreation, offshore, oil, wetland, bay, estuary, california

env.consumptio

Description: Over 2/3 of the world's resources are consumed by less than 1/5 of the world's population. This is a forum for individuals and groups seeking practical strategies for limiting individual, institutional and national consumption to sustainable levels.

Contacts: merck

Keys: development, economics, resources, conservation

env.dams

Description: Issues related to dam projects. International discussion of mega-projects, case studies, bioregional assessment, indigenous issues, ecological impacts, alternatives, economic and development issues, bio- and cultural diversity.

Sponsor: Cultural Survival (Canada)

Contacts: web:csc

Keys: hydro, energy, irrigation, rivers, watersheds, reservoirs

A Sourcebook for Conservation and Biological Diversity Information

env.letters

Description: Sample letters to politicians, corporations, bureaucracies, world bank etc on environmental and indigenous issues as such letters are needed.

Sponsor: Rainforest Information Centre

Contacts: gn:justgaian

Keys: ecology

env.marine

Description: Information and discussion about the marine environment, including seas, creatures that inhabit them and impact of humankind on marine life.

Keys: marine, mammals, animals, fish, seas, oceans, water

env.oil

Description: Environmental impact and record of global oil companies. Including terrestrial, aquatic, marine and atmospheric pollution; social, economic and political impact; health and safety, other industry involvement; public relations and other strategies.

Sponsor: Earth Resources Research

Keys: oil, pollution, multinational, energy, environment, spill, emissions, global warming, acid rain, arctic, offshore, rainforest, drilling

env.summitamer

Description: A discussion of biodiversity, conservation, sustainable trade, and public participation proposals for the Summit of the Americas, a December 1994 meeting of western hemisphere leaders.

Sponsor: National Audubon Society

Contacts: samurray

Keys: biodiversity, conservation, sustainable development, trade, environment, forest, energy, water, public participation, indigenous peoples

env.water

Description: Domestic and international information and resources regarding water pollution, coastal zone management, wetland protection, river conservation, fish & wildlife.

Contacts: nec, tgray

Keys: water, pollution, wetlands, coasts, rivers, fish, wildlife

env.wildlife

Description: Discussion, news and requests about wildlife species and habitats from around the world.

Contacts: econet

Keys: wildlife, extinction, habitat, species

forest.mahogany

Description: For groups and individuals supporting the calls of the Brazilian Manifesto on Mahogany and working on the consumer campaign against Brazilian Mahogany.

Sponsor: Earth Action Resource Centre

Keys: rainforests, forests, tropical, timber, tribal, people, Indian, Brazil

forest.paper

Description: Social and environmental impacts of tree plantations. Mainly in English. See also for.plantation, which is mainly in Spanish and Portuguese.

Contacts: ax:suporte

Keys: forests, paper, rainforests, economics

forest.plantation

Description: Social and environmental impacts of tree plantations. Mainly in Spanish and Portuguese. See also for.paper, mainly in English.

Electronic Networks and Conferences

Contacts: chasque:ngonet

Keys: rainforests

ncuscr.environ

Description: A forum for organizations involved or interested in environment-related work with China (including Hong Kong and Taiwan) that wish to exchange ideas and information about program activities, plans, and resources.

Sponsor: National Committee on U.S.-China Relations Contacts: ncuscr

Keys: agriculture, Amur, biodiversity, climate, China, energy, forests, oceans, pollution, recycling, rivers, sustainability, Ussuri, wildlife

plants.news

Description: Contains Botanical Electronic News and other professional journals or articles in the field of botany. <plants.news> is a daughter of the APC-wide conference <biodiversity>.

Sponsor: IGC Biodiversity Project Contacts: consdesk

Keys: conservation, biology, species, genetic, ecosystem, biodiversity, extinct, life, form, nature, exotic, plant, invasive, botany, tree, forest

rainfor.general

Description: General information and discussion about global rainforest issues.

Keys: brazil

rainfor.timber

Description: Information about RAN's Tropic Timber Campaign and other information about the fate of wood products from our world's rainforests.

Sponsor: Rainforest Action Network

Keys: Brazil

rainfor.worldbank

Description: Information about World Bank activities pertaining to rainforest issues.

Keys: brazil

susag.calendar

Description: A calendar of events related to promoting sustainable agriculture -- includes conferences, events, workshops, protests and training sessions.

Sponsor: Institute for Agriculture and Trade Policy Contacts: iatp

Keys: organic, biotechnology, conservation, calendar, dates, announcements

susag.news

Description: A newsletter covering the latest news in efforts to create a more sustainable agriculture policy on a global basis.

Sponsor: Institute for Agriculture and Trade Policy Contacts: iatp

Keys: agriculture, organic, biotechnology, conservation

western.library

Description: This conference is the library archive for the Western Lands Gopher.

Sponsor: EcoNet

Contacts: dyurman

Keys: conservation/wise/use/forest/

5.3.2 Organization-Sponsored Conferences Posted on the APC Network

amb.pantanal

A Sourcebook for Conservation and Biological Diversity Information

Description: Issues regarding campaign in defense of Pantanal and Chaco wetlands and other ecosystems and populations of the Paraguay-Parana River Basins which would be impacted by the construction of the Parana-Paraguay Hidrovia.

Sponsor: International Rivers Network

Contacts: irn@igc

Keys: Pantanal, Chaco, humedales, wetlands, Mercosur, Hidrovia, Parana, rivers, rios

amrivers.news

Description: News releases and other items from American Rivers, North America's principal river conservation organization. Contact AR about items in the read-only conference.

Sponsor: American Rivers

Contacts: amrivers

Keys: river, water, dam, energy, hydropower, floodplain, watershed, fish, endangered species, river conservation, riparian habitat

ef.journal

Description: This conference contains sample articles from the Earth First Journal, as well as other information about Earth First!

Sponsor: Earth First!

Contacts: earthfirst

Keys: forests, activism, environment, water, toxics

gain.alerts

Description: Action alerts on legislation that GAIN is covering and action alerts on other environmental concerns that need immediate action. The alert items come from an expanding number of reliable sources.

Sponsor: Global Action & Information Network

Contacts: gain

Keys: rainforests, global warming, acid rain, government, congress

gain.ecosystem

Description: The Ecosystem conference has legislative and other information, as well as action suggestions, pertaining to the conservation and protection of various ecosystems.

Keys: antarctica, arctic, biodiversity, coastal zone, desert, endangered species, oceans & seas, rivers, lakes, wetlands, wilderness

gain.resources

Description: Legislative and other information, as well as action suggestions, on natural resource arenas in which the federal government is involved in managing or regulating.

Keys: agriculture, groundwater, non-renewables, mining, renewables, forestry, fisheries, recycling, soils, transportation

gef.forum

Description: An open forum for discussion of materials presented on gef.report

Sponsor: Global Environment Facility

Contacts: iucnus

Keys: ozone, biodiversity, international, waters, greenhouse, gas, climate, change, NGO, governments, developing, G7, industrialized

gef.report

Description: Documentation on the Global Environment Facility, including the Questions and Answers brochure on the GEF and the bi-annual Chairman's Report, etc.

Sponsor: Global Environment Facility

Contacts: gefadmin

Keys: ozone, biodiversity, international, waters, greenhouse, gas, climate, change, NGO, governments, developing, G7, industrialized

iiied.news

Description: Information about the work of the International Institute for Environment and Development

Electronic Networks and Conferences

(IIED) on sustainable development. Lists, programme areas, current research, new publications, conferences, press releases and job vacancies.

Contacts: gn:iieduk

Keys: drylands, environmental, economics, sustainable, agriculture, planning, forestry, land, climate, change, development

iearn.rainfore

Description: Connects I*EARN participants with those on PBS Learning Link & other online services interested in the study of tropical rainforests. Part of the PLANET project.

Sponsor: International Education and Resource Network Contacts: dschroeter

iearn.rf.actio & iearn.rf.info

Description: These conferences will offer a place to list and discuss possible action steps for those involved in the I*EARN Rainforest Project, and will serve as a repository for information resources.

Sponsor: International Education and Resource Network Contacts: ed1

Keys: youth, education, tropic, rainforest, iearn

inc.desert

Description: General information on the Intergovernmental Negotiating Committee for a convention to combat desertification and/or drought.

Contacts: ax:kimo

Keys: semi-arid, unced, africa

iucn.news

Description: Species conservation, tropical forests, critical sites and protected areas, wetlands, population, environmental education, sustainable development and computerized global conservation monitoring. Includes press releases, new items, short articles and features.

Sponsor: IUCN - World Conservation Union

Contact: dcs@hq.iucn.ch

nfn.tempforest

Description: Information concerning the threats to earths temperate forests.

Sponsor: Native Forest Network Contacts: tfullum

Keys: temperate, forest, native, paper, clearcut, plantation, direct, action, timber, ecosystem, boreal, tree

nwf.consdirect

Description: Contains the Conservation Directory of the National Wildlife Federation.

Sponsor: National Wildlife Federation Contacts: econet

odi.info

Description: Public dissemination of Overseas Development Institute information and publications. ODI is an independent development research NGO. Research covers macro & environmental economics, agriculture, food aid, relief/rehabilitation.

Sponsor: Overseas Development Institute Contacts: odi

Keys: development, agriculture, economics, ecology, forests, livestock, extension, nomad, water, worldbank, imf, trade, disaster, emergency

prk.reefalert

Description: ReefAlert provides public awareness updates on current coral reef conservation issues and full information to enable citizen participation in coral reef protection campaigns. ReefAlert is a service of ReefKeeper International.

Sponsor: Project ReefKeeper International Contacts: reefalert

A Sourcebook for Conservation and Biological Diversity Information

Keys: coral, reef, fish, marine, conservation, ecology, fisheries, reefkeeper, ocean, scuba, corals, diving, reefs, reefalert

ran.news

Description: Stores and distributes the Rainforest Action Network News Service

Sponsor: Rainforest Action Network

Contacts: rainforest

Keys: forest, rainforest

ran.ragforum

Description: Facilitates the gathering and dissemination of information for Rainforest Action Groups throughout the world.

Sponsor: Rainforest Action Network

Contacts: featherstone, ra

Keys: rainforest, direct, action, activist, ran, rag

taiga.news

Description: Information from Taiga Rescue Network on conservation and sustainable use of the boreal forests of the world.

Sponsor: Taiga Rescue Network

Contacts: rogols@pns

Keys: environment, conservation, timber, indigenous peoples, paper consumption

un.habitat.gen

Description: For proceedings, documentation and discussion related to the United Nations conferences on Habitat.

Contacts: lgoree

worldwatch.new

Description: Research and publications produced by the Worldwatch Institute. Press releases, new publications, ordering information, highlights from current issues of World Watch Magazine, table-of-contents and abstracts for new books.

Sponsor: Worldwatch Institute

Contacts: worldwatch

Keys: environment, population, biodiversity, climate, poverty, agriculture, water, energy, forests, food, health, waste, pollution, economics

wrm.rainforest

Description: Information on the threats to forests and their peoples and about the official solutions, and NGO responses to them.

Sponsor: World Rainforest Movement

Contacts: geo2:wrm

Keys: rainforests, global, warming, brazil, south, america

wwf.news

Description: WWF "green" news.

Sponsor: World Wide Fund For Nature

Contacts: wwfpub@gn

Keys: nature, environment, conservation, wildlife, ecology, wwf, forest, climate, endangered, species, consumption, pollution, biodiversity

5.4 Internet Resources: Gophers by Sean Gordon and updated by David Dunkley

Version 1: 3 May 1994. Update: 2 December 1994

This report provides a guide to information related to biodiversity at selected Internet gopher sites. The sites are presented in the style of an annotated bibliography which includes tables of contents. The guide initially was part of an ongoing effort at the Environment and Natural Resources Information Center (ENRIC) to provide a "road

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map" for information relating to international development and the environment. ENRIC is a programme of the US Agency for International Development (AID).

A wide variety of international biological diversity information was found, including international treaties, project and strategic plans, newsletters, bibliographies, directories of experts, taxonomic lists and even images. Some of the more prominent non-governmental organizations are slowly making increasing amounts of information available over gophers, WWW, and other Internet programs.

There are many ways to access resources on the net, but a survey of gopher sites was chosen because gopher presents the best combination of ease of use, speed in locating resources, and widespread implementation. The gopher program made navigation of the net and downloading of information quite easy. Finding the locations of specific pieces or types of information still requires some research; nevertheless, it is a giant step forward in desktop access to what is literally a world of information. People who only have access to Internet e-mail will not be able to run the gopher program. Members of the APC and other networks usually can access gophers.

By accessing a gopher program, Internet users can navigate through the information stored there by way of menus. Choosing a numbered menu item can not only take the user to information stored on the host computer, but also to information stored on any other gopher site on the net. In fact, many of the biodiversity listings on the internet are simply pointers to the same few sites which actually contained the information.

The menus at the gopher sites are reproduced below. These are actual menus as they appear on the screen when you link to a gopher site. The following symbols tell you about navigation and content of the menus:

--> indicates a menu item was selected and the submenu (with that title) will follow; no arrow means no items from the menu were chosen and anything that follows came from a selection from an earlier menu.

The end of each menu line indicates what type of information it leads to:

/ indicates it leads to another menu

<?> indicates it leads to a database search

no symbol indicates it leads to a document, which is displayed on-screen and can be downloaded.

In the gopher system only one menu appears on the screen at a time. To save space in this document, multiple menus may have been condensed. The first menu presented here is usually the first seen when entering a site (called the "root"). The arrows (-->) then indicate which items on the menu were selected. The subsequent menu then begins with the title of the item selected in the previous menu. In the first record listed below, only one item "4. Biodiversity" was chosen as relevant to this sourcebook, so there is only one follow-up menu titled "Biodiversity." There is, of course, additional information under the other 16 menu items, but that text is not reproduced in the sourcebook.

NAME: Australian Environmental Resources Information Network

LOCATION: kaos.erin.gov.au

BRIEF DESCRIPTION:

While the biodiversity information in this gopher concentrates exclusively on Australia, its extensive content provides one of the best examples of the range of management-oriented information which can be provided. These categories include the following: summary statistics, maps, images, endangered lists, protected area management plans, legislation (national & international), a national index of ecosystems, bibliographies, contacts, newsletters, conference postings and proceedings.

SELECTED MENUS:

A Sourcebook for Conservation and Biological Diversity Information

Root gopher server: kaos.erin.gov.au

1. Interruptions to ERIN Gopher services...
2. General Information/
3. Climate and Weather/
- > 4. Biodiversity/
5. Terrestrial Environments/
6. Marine Environments/
7. Protected Areas/
8. Environmental Monitoring/
9. Humans and the Environment/
10. National State of the Environment Reporting for Australia/
11. Legislation and Agreements/
12. Data Services/
13. Library Services (Environment, Sport and Territories Portfolio)/
14. Newsletters/
15. Other Gopher/Internet Services/
16. Other Gopher Sites/
17. Search all contents of this Gopher <?> ..

Biodiversity

1. -----GENERAL INFORMATION-----
2. Convention on Biological Diversity - A guide
3. Convention on Biological Diversity
4. UN Conference on Environment and Development - Agenda 21/
5. Wildlife Protection Notices/
6. More General Biodiversity Information/
- 7.
8. -----ENDANGERED SPECIES AND COMMUNITIES-----
9. Endangered, Threatened and Vulnerable Species/
- 10.
11. -----SPECIES INFORMATION-----
12. Plants (Floral information)/
13. Animals (Faunal information)/
- 14.
15. -----BIBLIOGRAPHIES-----
16. Biodiversity Assessment Methodologies Bibliography <?>
17. Biodiversity Assessment Methodologies Bibliography (large - beware!..
18. Kangaroo Bibliography (ANCA) (large - beware!)

NAME: **Brazilian Tropical Data Base**

LOCATION: bdt.ftpt.br

BRIEF DESCRIPTION:

The Tropical Data Base (Base de Dados Tropical - BDT) is a major hub of biodiversity networking activities. It is maintained by the Fundacao Tropical de Pesquisas e Tecnologia "André Tosello", a Brazilian not-for-profit, private foundation. In addition to containing a number of directories for Brazilian experts and organizations, it is also home to two major international efforts: the Biodiversity Information Network and Bioline Publications. The Biodiversity Information Network (BIN21) evolved out of the 1992 Workshop on the Needs and Specifications for a Biodiversity Information Network, held in Campinas, Brazil and sponsored by the International Union of Biological Sciences, the International Union of Microbiological Societies and the World Federation for Culture Collections. Funding came from a number of Brazilian organizations, UNEP and the British Council. A follow-up

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conference was held in early 1994, and documents for this still appear to be flowing into the site. They also maintain an e-mail message broadcast system (a listserv) for biodiversity called BIODIV-L.

Bioline Publications is an electronic publishing service for bioscientists which provides abstracts and summaries of papers in journals, contents lists and summaries of reports and newsletters free of charge, with full-text and graphics available for a fee. Although the list of publications included is still relatively small, it is certainly international and provides more information for free on the publications than I have seen anywhere else. Most of the titles in Bioline focus on microbiology, but there are a few which focus on larger scale biodiversity issues, including: Biopolicy International (African Centre for Technology Studies), Tropical Biodiversity (Indonesian Foundation for Adv. Biol. Sci.), and the Biodiversity Coalition newsletter. A search of all publications for the keyword "biodiversity" produced an extensive list (see below), however many items on the list did not seem to contain a reference to biodiversity.

SELECTED MENUS:

Root gopher server: bdt.ftpt.br

1. About This Gopher
2. Leishmaniasis Network/
3. Brazilian Directories/
- > 4. Biodiversity/
5. Biological Control/
6. Microbiology/
7. Botany/
8. Protected Areas in Brazil/
9. Zoology/
10. Publications [including Bioline./
11. Brazilian Patents (INPI)/
12. Discussion Lists/
13. Rules and Legislation/
14. Calendar of Events/
15. Gateways/
16. How to access BDT Gopher by mail
17. Local time

Database Directory by Subject

- > 1. Brazilian Directories/
- > 2. Biodiversity/
- > 3. Botany/
4. Microbiology/
- > 5. Zoology/
6. Publications/
7. Brazilian Patents (INPI)/
8. Discussion Lists/
9. Calendar of Events/
10. Gateways/

Brazilian Directories

1. Who's Who in Acarids /
2. Who's Who in Biodiversity /
3. Who's Who in Environmental Education /
4. Who's Who in Botany/
5. Directory of Biological Control Labs (Insect)/

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6. Directory of Culture Collections/
7. Directory of Herbaria/
8. Directory of Zoos/
9. Directory of Scientific Societies/

Biodiversity

1. Who's Who in Biodiversity in Brazil /
2. BIODIV-L Biodiversity Information Network List/
3. Australian National University/

Botany

1. Who's Who in Botany/
2. Directory of Brazilian Herbaria/
3. Australian National Botanic Gardens/
4. International Organization for Plant Information/

Zoology

1. Who's Who in Acarids/
2. Brazilian Zoos Census/
3. Directory of Brazilian Biological Control Labs (Insect)/
4. Directory of Brazilian Zoos/

Bioline Publications

1. About Bioline Publications
- > 2. Journals/
- > 3. Reports/
- > 4. Newsletters/
5. On-line searching <?>
-

Journals

1. *** READ ME FIRST !!!
2. *** SEARCH ALL JOURNALS <?>
3. *** ON-LINE REQUEST <TEL>
4. Binary (BioLine)/
5. Biocontrol Science and Technology (Carfax Publishing Co.)/
6. Biopolicy International (African Centre for Technology Studies)/
7. Biotechnology Letters (Science and Technology Letters)/
8. Biotechnology Techniques (Science and Technology Letters)/
9. Biotechnology and Development Monitor (University of Amsterdam)/
10. Food and Agricultural Immunology (Carfax Publishing Co.)/

Reports

-
- > 4. Biodiversity/
5. Biotechnology/
6. Conference Reports/Proceedings/
7. Culture Collection Information/
8. Transportation of Biological Material/

Biodiversity

1. *** SEARCH THIS REPORT <?>

Electronic Networks and Conferences

2. *** ON-LINE REQUEST <TEL>
3. Convention on Biological Diversity - Part 1
4. Convention on Biological Diversity - Part 2
5. Convention on Biological Diversity: National Interests and ...
6. Intellectual Property Rights, Indigenous Cultures and Biodiversity...
7. UNEP Expert Panels: Report of Panel I
8. UNEP Expert Panels: Report of Panel II
9. UNEP Expert Panels: Issues and Options From Panel III
10. UNEP Expert Panels: Report of Panel IV
11. Inter-Governmental Committee Meeting on the Convention on Biological...
12. UK DARWIN INITIATIVE FOR THE SURVIVAL OF SPECIES
13. UNEP Norway Expert Meeting on Biodiversity/

Newsletters

-
4. AgBiotech Bulletin/
 5. Bio/Technology/Diversity News Bulletin/
 6. BioLink/
 7. CBS/
 8. Dev. Env. Safe Pest Control for the European Olive Newsletter/
 9. European Biotechnology Information Service/
 10. European Collection of Animal Cell Cultures Newsletter/
 11. Federation of European Microbiological Societies/
 12. Genetical Society Newsletter/
 13. Information Centre for European Culture Collections Newsletter/
 14. Polychaete Research Newsletter/
 15. The Biodiversity Coalition/
 16. UK Federation for Culture Collections Newsletter/
 17. World Federation for Culture Collections Newsletter/

NAME: **Canadian Global Change Program**

LOCATION: datalib.library.ualberta.ca

BRIEF DESCRIPTION:

SELECTED MENUS:

Canadian Global Change Program, Royal Society of Canada

1. An Introduction to the CGCP [English.
2. Prospectus/
3. CGCP Board of Directors
4. CGCP Research Committee
5. Research Panels and Terms of Reference/
6. Research Questions/
7. DELTA: Newsletter of the Canadian Global Change Program/
8. CIGA: Canadian Involvement in International Global Change Activite../
9. Abstracts from other CGCP Publications/
10. Other Environmental Change Gophers/
11. GCNet: Canada Centre for Remote Sensing [username: gcnet. <TEL>
12. Industry and Science Canada/

A Sourcebook for Conservation and Biological Diversity Information

NAME: **CEDAR** (Central European Environmental Data Request Facility), Vienna
LOCATION: pan.cedar.univie.ac.at

BRIEF DESCRIPTION:

The Central European Environmental Data Request Facility (CEDAR) was designed to promote environmental activities, technology transfer and information distribution in Central and Eastern Europe. CEDAR seeks to foster the development of environmental knowledge and cooperation through delivery of relevant environmental information. The infrastructure provides users with the ability to receive and transmit information on communication networks worldwide, while also providing remote users with direct access to in-house databases.

SELECTED MENUS:

1. CEDAR: Central European Environmental Data Request Facility/
2. Austrian Federal Ministry for Environment, Youth and Family/
3. INFOTERRA: United Nations Environment Programme (UNEP)/
4. The Central and Eastern European EcoDirectory Project/
5. Regional Environmental Center for Central and Eastern Europe/
6. World Wildlife Fund - U.S./
7. Polish Institute of Environmental Protection/
8. GREENWAY Central and East European Environmental NGOs Network/
9. Slovak Centre of Eco-Information & Terminology Ltd./
10. International Legal Instruments (Conventions/Protocols)/
11. Environmental Gophers/
12. Other Gopher and Information Servers/
13. Other United Nations System Gophers/
14. ***** Tips on searching *****
15. CEDAR URL: <http://pan.cedar.univie.ac.at/>

NAME: **CGNET**

LOCATION: gopher.cgnet.com

BRIEF DESCRIPTION:

CGNET is a commercial network provider which was founded to provide electronic data links between the centers participating in the Consultative Group on International Agricultural Research (CGIAR). The CGIAR is an association of about 40 donor agencies which invest \$300 million annually to support the work of eighteen agricultural research centres around the world. The centres address problems confronting developing countries in their efforts to conserve and use their natural resources in more productive, stable and sustainable systems.

SELECTED MENUS:

Root gopher server: gopher.cgnet.com

1. About this gopher
2. BIONET collection (documents, software, newsgroups)/
- > 3. CGIAR news and information/
4. CGNET user information/
5. PROFMEXIS information/
6. United Nations agency information/
7. internet gopher servers by location/
8. internet resources selected by CGNET/
9. internet resources: a broad selection/
10. search gopherspace: veronica servers /

Electronic Networks and Conferences

11. test area/

CGIAR news and information-->

1. 2020 News & Views Newsletter/
2. CIAT: Agricultural Centers Launch 'Seeds of Hope' To Save Rwanda's ..
3. CIAT: Apomixis gene may allow farmers to plant their own hybrid see..
4. CIAT: Biotechnology network goes to the African villager
5. CIAT: Famine May Annihilate Unique Rwandan Beans
6. CIAT: Savanna Grasses In South America Counter Global Warming
7. ICARDA: Adel El-Beltagy Named Director General
8. IRRI: 80% of rice farming in Eastern India performed by women
9. IRRI: Position Announcement for Crop Modeler
10. IRRI: Prominent Australian Research Manager Named to Head IRRI
11. IRRI: Repatriating 'Lost' Indigenous Rice Seeds to India
12. Previous News Items/
13. Profiles of the CGIAR Centers
14. biodiversity materials/

NAME: **CIESIN Global Change Information Gateway**

LOCATION: gopher.ciesin.org

BRIEF DESCRIPTION:

The Consortium for International Earth Science Information network was established in 1989 as a private, non-profit organization dedicated to furthering the interdisciplinary study of global environmental change. It specializes in providing access and integration of socioeconomic and biophysical data. They are doing some innovative work in providing online hypertext information access tools. The CIESIN site provides one of the most diverse access points to a wide variety of global environmental information, including datasets from the US Global Climate Change Research Program. Most of the biodiversity related information encountered consists of pointers to other gophers and services. They provide an access point to USDA's Current Research Information Service (CRIS), which provides abstracts of projects receiving USDA funds. It is found under the Agriculture menu and may be searched by keyword.

SELECTED MENUS:

Root gopher server: infoserver.ciesin.org [] or gopher.ciesin.org ..

1. About CIESIN/
2. Search the CIESIN Menu Tree <?>
3. HDP - Human Dimensions Programme/
4. Global Change Research Information Office (GCRIO)/
5. CIESIN Human Dimensions Kiosk/
6. CIESIN Electronic Bookshelf /
- > 7. Environmental Internet Catalog/
8. Other Internet Resources /
9. Classroom Earth <TEL>..

Environmental Internet Catalog

1. Aero/
2. Agriculture/
3. Astronomy/
- > 4. Biology/
5. Chemistry/
10. Environment/
11. Forestry/
13. Government/
14. History/
15. Humanities/

A Sourcebook for Conservation and Biological Diversity Information

- | | |
|---------------|---------------|
| 6. Computers/ | 16. Law/ |
| 7. Computing/ | 17. Politics/ |
| 8. Education/ | 18. Social/ |
| 9. Energy/ | |

Biology

1. A Biologist's Guide to the Internet/
2. Archive of BIOSCI mailing lists and newsgroups <?>
3. Australian National Botanic Gardens (ANBG)/
- > 4. Biodiversity Resources/
5. Biodiversity and Biological Collections (Harvard Gopher)/
6. Biology subject tree in Gopher/
7. Computational Biology/
8. Images Animals and Plants/
9. Oregon State University Biology Gopher/
10. Other Biological Gophers (via Indiana)/
11. Smithsonian Institution, Biology Gophers/..

Biodiversity Resources

1. BIODIV-L (bio-diversity listserv)
2. Biodiversity Information Resources (Harvard Gopher)/
3. Biodiversity Journals and Newsletters (Harvard Gopher)/
4. Plant Biodiversity and Conservation (ANBG)/

NAME: Cornell Law School Multilateral Treaties Database

LOCATION: gopher.law.cornell.edu

BRIEF DESCRIPTION:

The Fletcher School of Law and Diplomacy provides the text of many international treaties concerning biodiversity, as well as other environmental topics.

SELECTED MENUS:

- > 5. Foreign and International Law: Primary Documents and Commentary/
--> 10. Multilateral Treaties (courtesy of Fletcher School of Law and Dipl..)

Multilateral treaties by category

1. Aviation/
2. Trade and Commercial Relations/
3. Diplomatic Relations/
4. Atmosphere and Space/
5. Cultural Protection/
- > 6. Flora and Fauna--Biodiversity/
7. Other Environmental/
8. General/
9. Human Rights/
10. Rules of Warfare; Arms Control/..

Flora and Fauna--Biodiversity

1. Convention for the Protection of the World Cultural and Natural Her..

Electronic Networks and Conferences

2. Convention Relative to the Preservation of Fauna and Flora in their..
3. Convention on Nature Protection and Wild Life Preservation in the W..
4. International Convention for the Regulation of Whaling (2 Dec 46); ..
5. Convention on Wetlands of International Importance especially as wa..
6. Convention on the International Trade in Endangered Species of Wild..
7. Convention on Biological Diversity (5 Jun 92)
8. Non-Legally Binding Authoritative Statement of Principles for a Glo..
9. International Tropical Timber Agreement (1983)
10. World Charter for Nature (1982)
11. Convention on the Conservation of Migratory Species of Wild Animals....

NAME: **EcoNet / Institute for Global Communications**

LOCATION: igc.apc.org

BRIEF DESCRIPTION:

EcoNet is a non-profit, subscription based network which provides a vast amount of information on environmental themes. This gopher contains a subset of this information and is available free of charge to anyone. They have teamed up with the Canadian International Institute for Sustainable Development to provide coverage of the major United Nations events concerning the environment. One of the events this Earth Negotiations Bulletin covers is the meetings of the Convention on Biological Diversity.

SELECTED MENUS:

Root gopher server: [gopher.igc.apc.org..

1. About IGC Networks, APC Networks and this Gopher/
2. IGC Headline News/
- > 3. EcoNet - Environment/
4. PeaceNet - Peace, Human Rights, and Social Justice/
5. ConflictNet - Conflict Resolution/
6. LaborNet - Labor/
7. Publications and News Services on the IGC Networks Gopher/
8. Organizations on the IGC Networks Gopher/
9. Women/
10. Race and Ethnicity/
11. Trade and Sustainable Development/
12. Government and Law/
13. Education and Youth/
14. Health/
15. United Nations & International Agencies/
16. Progressive Gophers/
17. Internet Resources/
18. Progressive Catalog/

EcoNet - Environment-->

1. About this Gopher
2. EcoNet Brochure
3. Organizations on the EcoNet Gopher/
4. Publications and News Services on the EcoNet Gopher/
5. EcoNet's General Environmental Resources/
6. Biodiversity/
7. Climate/

A Sourcebook for Conservation and Biological Diversity Information

8. Environmental Racism & Environmental Justice/
9. Energy/
10. Environmental Education/
11. Environmental Law/
- > 12. Forests/
13. Pesticides & Sustainable Agriculture/
14. Toxics, Hazards & Wastes/
15. Water, Oceans & Rivers/
16. ***1994 National Environmental Scorecard from LCV***/
- > 17. EcoNet's Guide to Internet Resources on the Environment/
18. Institute for Global Communications Gopher Main Menu/

Forests

1. About The EcoNet Forest Gopher
2. Finnish Forest Research Institute/
3. Rainforest Action Network/
4. Univ. of British Columbia Forestry Books/
5. Univ. of Minnesota Forestry Library/
6. Victoria FreeNet B. C. Ministry of Forests/

EcoNet's Guide to Internet Resources on the Environment

1. Gateways to Environmental Resources/
2. Guide to Environmental Resources on the Internet (Dec 93)
3. Guide to Environmental Resources on the Internet (March 94)
4. Mailinglists on the Environment (From EcoGopher)/
5. Bullfrog Films/
6. CIESIN Global Change Information Gateway/
7. Center for Renewable Energy and Sustainable Technology/
8. Central European Environmental Data Request Facility Gopher (CEDAR..)/
9. E, The Environmental Magazine/
10. Earthwatch Radio Scripts (Sea Grant Institute and IES)/
11. EcoGopher at the University of Virginia/
12. EcoJustice Network/
13. EcoNet's Mycology & Mushrooms Archive/
14. Electronic Green Journal/
15. EnviroGopher/
16. EnviroLink <TEL>
17. Environment Resources at Rice University/
18. Environmental Health Center Gopher/

Earth Negotiations Bulletin (ENB)

1. About the Earth Negotiations Bulletin and This Gopher
2. UN Conference on Environment and Development PrepCom IV/
3. UN Conference on Environment and Development/
4. 47th Session of the UN General Assembly on UNCED followup/
5. INC for Desertification Convention/
6. UN Commission on Sustainable Development/
7. International Conference on Population and Development/
8. Straddling Stocks and Highly Migratory Fish Stocks/
9. Sustainable Development of Small Island Developing States/
10. Convention on Biological Diversity/
11. World Summit for Social Development/

Electronic Networks and Conferences

NAME: **Biodiversity and Biological Collections** (Cornell)

LOCATION: muse.bio.cornell.edu

BRIEF DESCRIPTION:

The Biodiversity and Biological Collections gopher (formerly at Harvard) is now located on a new server provided by the MUSE Project at Cornell University and is managed as a collaboration with the Museum Informatics Project of the University of California, Berkeley.

The gopher contains information of interest to systematists and other biologists of the organismic kind. The following types of information are included:

- Biological Collections Catalogs, including multi-collection queries
- Taxonomic Authority Files
- Directories of Biologists
- Reports of Various Standards Bodies
- Data Models for Biological Collections
- An archive of the Taxacom and MUSE-L Listservs
- Access to on-line journals and newsletters

SELECTED MENUS:

Root gopher: muse.bio.cornell.edu

1. The "New" Biodiversity and Biological Collections Gopher
2. Museum, Herbarium and Arboretum Collection Catalogs/
- > 3. FishGopher Project/
4. Biodiversity Information Resources/
- > 5. Directories of Biologists/
- > 6. Biodiversity Journals and Newsletters/
7. Curation & Management of Biological Collections/
- > 8. Data Models and Standards Projects/
9. Software (Delta programs and data and MUSE information)/
- > 10. Biological Images/
11. Taxacom Services/
12. Other Biological Gophers/
13. Other Gopher and Information Servers (mirrored from U. Minnesota)/

FishGopher Project

1. About the FishGopher Project and Searches
2. Search FishGophers (complex searches may take 2-3+ minutes) <?>
3. FishGopher Participating Collection Profiles/

Directories of Biologists

1. American Museum of Natural History, New York
2. American Society of Ichthyologists & Herpetologists/
3. American Society of Plant Taxonomists/
4. Collection Managers Online (CMO)/
5. Mycologists Online (MYCO)/
6. Natural History Museum, London/
7. Neotropical Ichthyological Association Membership Directory/
8. Plant Taxonomists Online (PTO)/
9. Polychaete Researchers/

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Biodiversity Journals and Newsletters

1. Flora Online: Journal for Collections-Oriented Botanical Research/
2. The Bean Bag: Leguminosae Research Newsletter/
3. The Chaetozone Newsletter (Polychaete Research News)/
4. American Society of Plant Taxonomists Newsletter/
5. Florida Entomologist (An International Journal for the Americas)/
6. Newsletter of Systematic Ichthyology (Experimental)/

Data Models and Standards Projects

1. Association of Systematics Collections/
2. Australian Herbaria Specimen Data Standards/
3. International Organization for Plant Information 'IOPI'/
4. International Organization for Standards Standards/
5. Missouri Botanical Garden Research Data Model/
6. Systematics Agenda 2000/
7. Taxonomic Databases Working Group 'TDWG' (Botany)/
8. The NMNH Collections and Research Information System/

Biological Images

1. About this Biology Image Archive
2. Search Biology Image Archive (max 1500 entries per search) <?>
3. Full Image Catalog (ASCII)
4. Image files/
5. Frequently Asked Questions about the JPEG image format
6. JPEG Image File Viewers/..

NAME: **International Centre for Genetic Engineering and Biotechnology**

LOCATION: genes.icgeb.trieste.it

BRIEF DESCRIPTION:

This site concentrates on molecular biology issues with links to biodiversity information stored at the U.N. and Harvard University.

SELECTED MENUS:

Root gopher server: genes.icgeb.trieste.it

1. ICGEB - Int. Centre for Genetic Engineering and Biotechnology /
2. -----
3. General Computing Services at ICGEB/
4. Molecular Biology: the ICGEBnet service/
5. Molecular Biology Databases at ICGEB/
6. Molecular Biology Databases at Remote Sites/
7. Other Biological Information Servers (BioGophers)/
8. Software and Databases Available at ICGEB (Anonymous ftp)/
- > 9. Biosafety and Environment/
10. -----
11. Phone Books/
12. USENET News (from ICTP)/
13. Dictionaries and Thesaurus/
14. Other Information Servers/
15. About this gopher

Electronic Networks and Conferences

Biosafety and Environment

1. How to use this directory
2. Laboratory Chemical and Biosafety (general)/
3. General Biosafety, Genetically Modified Organisms (GMO)/
- > 4. Biodiversity Issues/..

Biodiversity Issues

1. UNCED documents/
2. Biodiversity and Biological Collections at Harvard/

NAME: Missouri Botanical Garden

LOCATION: mobot.org

BRIEF DESCRIPTION:

The gopher contains taxonomic manuals/lists of plants for North America, Costa Rica, Peru, and China, and databases of herbariums and botanical authors and their abbreviations.

SELECTED MENUS:

Root gopher server: mobot.org

1. About the Missouri Botanical Garden Gopher
2. Flora of North America/
3. Moss Types Database/
4. Other Flora and Checklists/
5. TROPICOS/
6. Plants in Bloom/
7. Library/
8. MBG E-mail Accounts/
9. Other Gopher and Information Servers/
10. Search the index of Botanical Authors/
11. Search the USA Index Herbariorum <?>
12. Search the index of Plant Chromosome Numbers <?>
13. pub/

NAME: Oregon State University Current Literature on Biodiversity

LOCATION: ava.bcc.orst.edu

BRIEF DESCRIPTION:

This seems to be connected to their library bibliographic citation information system, which can be displayed by author, keyword, or title. Gopher's innate searching capabilities also allow a more refined searching of these lists by keywords.

SELECTED MENUS:

--> 2. Microbial Germplasm Database/

Plant:Microbe Literature (~ 1500 refs.)

1. Biocontrol/
- > 2. Biodiversity/

A Sourcebook for Conservation and Biological Diversity Information

3. Culture collection/
4. Germplasm/
5. N2 Fixation/
6. Sustainable Agriculture/

Biodiversity

1. Author/
2. Keywords/
3. Title/

NAME: **Smithsonian Institution's Natural History Gopher**

LOCATION: nmnhgoph.si.edu

BRIEF DESCRIPTION:

This site contains the informative "Biological Conservation" newsletter from the Smithsonian as well as the American Society of Plant Taxonomists Newsletter. It also has a taxonomic database of mammal species of the world.

Description from the Gopher server: "Biodiversity Programs at the Smithsonian Institution"

Smithsonian Biodiversity Programs at the U.S. National Museum of Natural History sponsors international research projects aimed at increasing our understanding of the richness of biological diversity, and providing baseline data for decision makers to plan and manage natural resources. The projects are described under "Biodiversity Program Information Materials" and contact names are provided.

A checklist of the plants of Guyana, Suriname and French Guiana, produced as a cooperative project between the Smithsonian's Biological Diversity of the Guianas Program and the ORSTOM Herbarium under the auspices of the Centre for the Study of Biological Diversity at the University of Guyana, can be found under "Biological Diversity of the Guianas".

The Smithsonian also sponsors an exploratory effort to create a U.S. National Biodiversity Information Center, which would become a focal point for access to biodiversity information. More on the center proposal is contained under "Proposed National Biodiversity Information Center."

SELECTED MENUS:

Root gopher server: nmnhgoph.si.edu

1. About the SI Natural History Gopher (& What's New)
- > 2. Botany at the Smithsonian Institution/
- > 3. Invertebrate Zoology at the Smithsonian Institution/
4. Paleontology at the Smithsonian Institution/
- > 5. Vertebrate Zoology at the Smithsonian Institution/
- > 6. Smithsonian Biodiversity Programs and Data/
7. Smithsonian Biological Conservation Programs and Data/
8. Smithsonian Global Volcanism Program/
9. Smithsonian Laboratory of Molecular Systematics/
10. Smithsonian Natural History Information and Announcements/
11. Museum Computerization and Technology/
12. Related Gopher and Information Servers/..

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Botany at the Smithsonian Institution

1. About the Smithsonian Department of Botany Gopher
2. American Society of Plant Taxonomists Newsletter/
3. Annotated Bibliography of the Gesneriaceae/
4. Biological Conservation/
5. Checklist of the Plants of the Guianas/
6. Index to Historical Collections Represented in US/
7. Type Specimen Register (U.S. National Herbarium, US)/
8. Smithsonian Natural History Gopher top-level menu/..

Invertebrate Zoology at the Smithsonian Institution

1. About Invertebrate Zoology at the Smithsonian Institution
2. Crustaceans/
3. Smithsonian Natural History Gopher top-level menu/

Vertebrate Zoology at the Smithsonian Institution

1. About the Mammal Species of the World
2. Search the Mammal Species of the World <?>
3. Browse the Mammal Species of the World
4. Smithsonian Natural History Gopher top-level menu/..

Smithsonian Biodiversity Programs and Data

1. About Biodiversity Programs at the Smithsonian Institution
- > 2. Biodiversity Program Information Materials/
- > 3. Proposed National Biodiversity Information Center/
- > 4. Biological Diversity of the Guianas Program/
5. Smithsonian Natural History Gopher top-level menu/

Biodiversity Program Information Materials

1. Biodiversity Programs at the Smithsonian Institution
2. Aldabra Research Program
3. Biological Diversity in Latin America Project
4. Biological Diversity of the Guianas Program
5. Biological Dynamics of Forest Fragment Project
6. Caribbean Coral Reef Ecosystems
7. Dominica Program
8. Latin American Plants Program
9. Marine Mammal Program
10. Neotropical Lowlands Research Program
11. SI/Man and the Biosphere Program
12. Smithsonian Natural History Gopher top-level menu/

Proposed National Biodiversity Information Center

1. RFC: Proposed National Biodiversity Information Center
2. Draft US NBIC Concept Report, 2 Sep 1994
3. List of Planning Board Members and other Interested Parties
4. Advisory Planning Board Meeting Minutes, March 1994
5. Announcing BIODICEN-L: A New Listserv for NBIC Discussion
6. Smithsonian Natural History Gopher top-level menu/

Biological Diversity of the Guianas Program

1. About the Biological Diversity of the Guianas Program

A Sourcebook for Conservation and Biological Diversity Information

2. Checklist of the Plants of the Guianas/
3. Checklist of Lichenized Fungi/
4. Smithsonian Natural History Gopher top-level menu/..

NAME: **United States Environmental Protection Agency -- Future Studies**

LOCATION: futures.wic.epa.gov

BRIEF DESCRIPTION:

Future Studies has provided an interesting mix of information. The only document which obviously directly related to biodiversity was a Megatrends Project paper on biodiversity issues--a collaborative effort between the World Resources Institute (WRI) and the U.S. Environmental Protection Agency (EPA) designed to address the overall question: "What major forces, trends, events, uncertainties, and/or surprises will have significant impacts--positive or negative--on the quality of the global environment, or on our ability to protect the environment, over the next 30 years?". Other possibilities for biodiversity information which would need further investigation included papers in the "Driving variables and indicators" section and their hypertext guides.

Very useful here is the Internet Guide to Conservation Resources (under Guides and Locators), which provides useful lists for accessing relevant information through list servers, ftp and BBSs, in addition to gopher. It is said to be updated every 4-6 months, but the most recent version is dated November 1993...

SELECTED MENUS:

Environmental Protection Agency -- Future Studies

1. ** Welcome to EPA's Future Studies Gopher! ** <HQX>
2. Contacts within EPA
3. *****
- > 4. Articles/
5. PARTICIPATION INVITED -- VIRTUAL WORKSHOP ON ENVIRONMENTAL TECH /
- > 6. Air Water Land/
- > 7. U.S. Climate Change Action Plan/
8. Electronics/
9. EPA 5 Year Strategic Plan/
- > 10. Guides and Locators/
- > 11. The MegaTrends Report/
12. Newsletters and Items of Regional Interest/
13. Population/
14. Sector-Based Issues/
15. Small Gov'ts Guide/
- > 16. Sustainable Development/
17. *****
18. Links to Other Places/..

Articles

1. The New Environmentalist Magazine/
2. Conservation Ecology Journal, Carleton University/
3. Industrial Ecology Paper/
4. Innovation
5. INVOLVED.DOC
6. Risk and Vision: Essay and Graphics/
7. sustainability & Risk: Essay and Graphics/
8. test -- no info inside/

Electronic Networks and Conferences

9. Electronic Publications at the University of Idaho/

U.S. Climate Change Action Plan

1. U.S. Climate Change Action Plan (ascii)
2. U.S. Climate change Action Plan (WP Mac) <HQX>
3. IMAGE: A Greenhouse Effect Model for PC's/
4. Readme first please

Guides and Locators

1. Internet Guide to Conservation Resources
2. driving variables and indicators/
3. Guide to Environmental Resources on Internet
4. EPA-Bulletin Boards
5. PC Software for Environmental Awareness and Education (Link)/
6. hypercard guides/
7. Info on the Registry of Lists (ascii)
8. The Millennium Project/
9. Internet Guide to the U.S. Federal Government..

The MegaTrends Report

1. Biodiversity
2. Final Report: Challenges Ahead for the EPA
3. energy
4. Institutions
5. Introduction
6. overview
7. Technology
8. Urbanization
9. water

Sustainable Development

1. Workshop Report: Sustainable Architecture
2. Bibliography
3. EPA report to congress - Full Report
4. Greening of Industry Network/
5. EPA report to Congress - Introduction
6. Sustainability & Risk: Essay and Graphics/

NAME: **United Nations**

LOCATION: gopher.undp.org / nywork1.undp.org

BRIEF DESCRIPTION:

The UN has a large number of their systems and documents online, including those relating to UN conferences, UN resolutions adopted (by session), UNEP and UNDP., as well as general information and their telecommunications catalogs. Resources specifically relating to biodiversity include the text of the Convention on Biological Diversity and the Agenda 21 chapter on biodiversity conservation.

SELECTED MENUS:

Root gopher server: nywork1.undp.org

1. The United Nations, what it is and what it does/

A Sourcebook for Conservation and Biological Diversity Information

2. United Nations Current Information (Highlights, Press Releases, et..)
3. United Nations Documents (General Assembly, Sec. Council)/
- > 4. United Nations Conferences/
5. United Nations Economic and Social Council (ECOSOC)/
- > 6. United Nations System Directories/
7. United Nations System Telecommunications Catalogue/
- > 8. United Nations Development Programme (UNDP) Documents/
9. Other United Nations & related Gophers/
- > 10. Environment Related Information/
11. Other Gopher & Information Servers/
12. Access to External Public Databases/
13. United Nations 50th Anniversary/
14. Announcements - What's new/..

United Nations Conferences

1. Fourth World Conference on Women/
2. Global Conf. on Sustainable Dev. of Small Island Developing States/
3. International Conference on Population and Development/
4. International Convention to Combat Desertification/
- > 5. United Nations Conference on Environment & Development (UNCED)/
6. World Conference on Natural Disaster Reduction/
7. World Summit for Social Development/
8. World Summit for Social Development (under revision)/
9. World Summit on Trade Efficiency/..

United Nations Conference on Environment & Development (UNCED)

1. Copyright Notice
- > 2. Documents by Title (English)/
3. Documents by Title (French)/
4. Documents by Title (Spanish)/
5. Free Text Search on Documents (English) <?>

Documents by Title (English)

1. A-21: AGRICULTURE & RURAL DEVELOPM.
2. A-21: BIOTECHNOLOGY
3. A-21: BUSINESS & INDUSTRY
4. A-21: CAPACITY BUILDING
-
41. A/AC.237/18 (Part II)/Add.1, Climatic Change, 5th Sess. 2nd Part
42. A/AC.237/18 (Part II)/Add.1, Convention on Climate Change
43. A/CONF.151/26 (Vol. I), The Rio Declaration
44. A/CONF.151/26 (Vol. I), UNCED Report
45. A/CONF.151/26 (Vol. II), UNCED Report
46. A/CONF.151/26 (Vol. III), Forest Principles
47. A/CONF.151/26 (Vol. III), UNCED Report
48. A:21 CONSERVATION BIODIVERSITY
49. Na.92-7807, Convention on Biological Diversity, 5 June 1992

United Nations System Directories

1. Copyright Notice
2. United Nations Development Programme Directory Search <?>
3. United Nations Directory Search

Electronic Networks and Conferences

4. United Nations Educational, Scientific & Cultural Organization <?>
5. World Bank Directory Search <?>

United Nations Development Programme (UNDP) Documents

1. UNDP Statement of Purpose
2. UNDP Organizational Description
3. UNDP Division for Europe & CIS (DEC)/
4. Sustainable Development Network (SDN)/
5. UNDP Administrator Mr. J.G. Speth's & other speeches/
6. UNDP Press Releases/
7. UNDP Publications/
8. United Nations Development Programme Revolving Fund (UNDPFR)/
9. World Summit for Social Development 1995/

Environment Related Information

1. Australian Environmental Resources Information Network (ERIN)/
2. Biodiversity & Biological Collections Gopher (Harvard)/
3. Canadian Global Change Program, Royal Society of Canada/
4. EcoGopher at Univ. of Virginia/
5. EnviroGopher of The EnviroLink Network (CMU)/
6. Gopher at IGC (EcoNet, Peacenet...)/
7. U.S. Environment Protection Agency Online Library System <TEL>
8. United Nations Environment Programme (UNEP)/
9. Women's Environment & Development Organization (WEDO)/..

NAME: **World Bank**

LOCATION: gopher.worldbank.org

BRIEF DESCRIPTION:

A new policy on disclosure of operational information, approved by the Executive Directors in August 1993, has led to a number of their documents being available on-line. This policy is not retroactive, so only documentation for new projects is available. The documents and references available, are:

1. The PROJECT INFORMATION DOCUMENT (PID), a new World Bank document, makes project information available while a project is under preparation. It provides a brief summary of the evolving project and is subject to updating and expansion as project preparation proceeds. PIDs are available through the Public Information Center (PIC) and via Internet for projects for which preparation officially started after October 1, 1993. (Full document available on-line).
2. STAFF APPRAISAL REPORTS (SARs) for projects approved by the Bank's Board of Directors after January 1, 1994. The SAR is the final report that contains a description of the project and how it will be implemented. (Abstract available on-line).
3. Following consultation with the governments concerned, COUNTRY ECONOMIC REPORTS that provide analysis of important macroeconomic issues in various sectors of the economy are available at the same time that they are distributed to the Board of Directors of the Bank. This policy is effective for reports issued after January 1, 1994. (Abstract available on-line).
4. SECTORAL POLICY PAPERS approved by the Board of Directors after January 1, 1994. (Will be available on-line soon).

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5. ENVIRONMENTAL DATA SHEETS prepared and updated quarterly for each project in the Bank's lending program. (Full document available on-line).
6. ENVIRONMENTAL ASSESSMENTS & ANALYSES for projects likely to have significant environmental impact. The assessments and analyses are available from the PIC after the report is released locally by the government in the country concerned. (Only title available on-line).
7. NATIONAL ENVIRONMENTAL ACTION PLANS (NEAPs) prepared by governments will be available from the PIC after the Bank has officially received the consent of the government concerned to release it. (Only title available on-line).
8. IFC ENVIRONMENTAL ASSESSMENTS & REVIEW SUMMARIES for IFC-funded projects likely to have significant environmental impact will be available 60 days before the project is presented to the IFC Board of Directors. (Only title available on-line).
9. OED PRECIS produced by the Bank's Operations Evaluation Department after January 1, 1994. These publications point out lessons and recommendations based on the Bank's experience in implementing development projects. (Will be available on-line soon).

Their traditional publications catalog is also available for searching by keyword.

SELECTED MENUS:

Root gopher server: gopher.worldbank.org

1. Welcome to the World Bank
- > 2. Public Information Center /
3. World Bank Publications/
4. Information Bank on African Development Studies (IBADS) /
5. Inspection Panel/
6. What's New on the World Bank Gopher Server/..

Public Information Center

1. Overview of the Public Information Center
2. Information Available from the PIC
3. Addresses and How to Order
4. Bank Field Offices
5. Economic and Sector Reports/
6. Environmental Assessments
- > 7. Environmental Data Sheets(EDS)/
8. GEF Project Information Documents/
9. IFC Environmental Documents
10. National Environmental Action Plans
11. OED Precipis/
12. Project Information Documents(PID)/
13. Sectoral Policy Papers
14. Staff Appraisal Reports(SAR)/..

Environmental Data Sheets(EDS)

1. List of Documents/
2. How to search
3. List of Country Names
4. List of Sectors

5. Search <?>

A search for 'biodiversity' produced the following list of Environmental Data Sheets

1. BENIN-Environmental Management
2. GHANA-Nature Parks Resource Management
3. TRINIDAD & T-Environmental Protection & Forestry
4. AFR. REGION-GEPRENAF - Burkina/Cote d'Ivoire
5. HONDURAS-Environmental Development
6. MOROCCO-Rural Poverty and Environmental Protection
7. MEXICO-National Forestry Development and Conservation
8. SRI LANKA-Environmental Action I
9. ARGENTINA-Forest Sector and Environmental Protection
10. INDIA-Madhya Pradesh Forestry
11. CHILE-Secano Agricultural Development I
12. INDIA-Bihar Forestry
13. INDONESIA-Biodiversity Conservation
14. BELARUS-Pripyat River Priority Infrastructure

5.5 Internet Resources - World Wide Web, by Eric Howard, with David Dunkley

As mentioned in the introduction to electronic networks, the World Wide Web (WWW or W³ or The Web) is not another network but rather a navigational tool. WWW is a client/server system that utilizes a standard protocols to locate, retrieve, download or display information in a variety of formats. WWW is, like the Windows computer environment, intuitive and user-friendly.

The WWW uses three electronic document protocols:

HyperText Transfer Protocol (HTTP) which allows the transfer of "Hypertext information" over the Internet. Hypertext allows one document to be linked with another, so, for example, a description of a particular species held on one computer can be linked (almost) instantaneously with a map showing its habitat held on another computer thousands of miles away. All that is required to do this is a "click" of the mouse on a highlighted word or image.

Uniform Resource Locator (URL) acts as a kind of addressing system that makes the links possible. A URL looks like: <http://www.unep.ch>

HyperText markup Language (HTML) which is a document tagging language that allows documents to be well laid out and presented and, at the same time, linked to other documents.

But ease of use has its price, WWW to be used effectively requires a powerful personal computer equipped with Windows and wide bandwidth connexion (28-64 kilobits per second) to the Internet. Nevertheless, it appears that this is the direction in which the electronic networks and it will be important to watch developments and plan accordingly. Given that new WWW "home pages" appear almost everyday, the list below is by no means comprehensive but it does offer a starting point for your exploration of "cyberspace".

Australia, Tasmanian Department of Environment and Land Management <http://147.109.8.1/tpws.html>

Australian National Botanic Gardens <http://155.187.10.12/index.html>

Australian National University <http://life.anu.edu.au>

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Biodiversity and Ecosystems Network (BENE) <http://straylight.tamu.edu/bene/bene.html>

Biodiversity Information Network (BIN21) <http://www.ftpt.br>
See description in Chapter 1, section 1.1

Bird Studies in the Australian National Botanic Gardens <http://osprey.erin.gov.au>
A guide to the birds commonly found in the National Botanic Gardens in Canberra, Australia. Also contains digitized images and bird calls, as well as pointers to general information about the Gardens.

Central European Environmental Data Request Facility (CEDAR) <http://pan.cedar.univie.ac.at>
Hosts the UNEP INFOTERRA gopher.

CIESIN <http://www.ciesin.org>
See full description in Chapter 1, section 1.3

Earth Negotiations Bulletin <http://www.iisd.ca/linkages/>
ENB is a reporting service for environment and development negotiations. As such it covers the proceedings of all UN conferences and meetings of contracting parties of conventions which relate to environment and sustainable development issues. Highly useful service for those wanting to follow or influence the debates. ENB is published by the International Institute for Sustainable Development in Canada.

Environmental Protection Agency (USA) <http://www.epa.gov>
The official information server of the EPA, containing basic information about the EPA, press releases, a calendar of events, and text of initiatives and regulations. The server also contains the EPA Journal, describing current issues facing the EPA; a report of pesticides being re-registered; a software archive for the Center for Exposure Assessment Modeling's exposure assessment modeling; ecological risk assessment projects; and several speeches given on Earth Day in 1994. Much of the information is currently in Gopher format and is gradually being converted to WWW format.

Environmental Resources Information Network (ERIN, Australia) <http://www.erin.gov.au>
Considered to be one of the best examples of an integrated environmental information system, it is serving as model for biodiversity data management.

EnviroWeb <http://envirolink.org>
Online archive and clearinghouse for environmental information. Includes: a virtual environmental library, the Internet environmental resource directory, the "EnviroProducts" directory, etc.

Finnish Forest Research Institute (METLA) <http://www.metla.fi>

Fundación "Federación Internacional de Sociedades Científicas" (FISS), y la Fundación Maquipucuna
<http://fiss.org.ec>

INBio (Costa Rica) <http://www.inbio.ac.cr>

IUCN-The World Conservation Union <http://w3.iprolink.ch/iucnlib/>

International Centre for Genetic Engineering and Biotechnology <http://www.icgeb.trieste.it>

John Muir Exhibit <http://ice.ucdavis.edu>
A collection of materials relating to the life and achievements of the environmentalist John Muir. The exhibit was created by the Information Center for the Environment at the University of California, Davis and consists of a collection of biographies, tributes from those who knew Muir, bibliographies of his books, and descriptions of the

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John Muir National Historic Site. The only glaring omission is Muir's own writing. Although there are many references to and descriptions of Muir's books, all of the online material is written by other people.

Missouri Botanical Garden <http://straylight.tamu.edu/MoBot/welcome.html>

National Environmental Scorecard <http://www.econet.apc.org>

Lets you view the environmental voting "score" of representatives from the US Congress. The score is determined based on the voting records of 16 pieces of legislation (descriptions of which are included). You can view the records by region or by particular representatives (as well as seeing a small photo of each of them). Published by the EcoNet information service and the League of Conservation Voters.

National Science Foundation (USA) <http://stis.nsf.gov>

The NSF WWW Home Page includes the Guide to Programmes and the Grants Proposal Guide. These documents provide information on programme initiatives at NSF, along with instructions for preparing and submitting proposals. Biographies of NSF officials, weekly "What's New" pages, and a link to NSF's publications database are also accessible.

Natural History Museum, London <http://www.nhm.ac.uk>

UNEP-Europe <http://www.unep.ch>

World Federation of Culture Collections, World Data Center on Microorganisms (WDCM)
<http://www.wdcm.riken.go.jp>

World Bank <http://www.worldbank.org>

Social indicators for development <http://www.ciesin.org/IC/wbank/sid.home.html>

Trends in developing economies <http://www.ciesin.org/IC/wbank/tde-home.html>

World Conservation Monitoring Centre (WCMC) <http://www.wcmc.org.uk>

See description in Chapter 1, section 1.19

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Chapter 6. Audio-Visual Resources

6.0 Television Trust for the Environment (TVE), by Robert Lamb

Contact: Robert Lamb, Director

TVE, Prince Albert Road, Regent's Park, London NW1 4RZ, United Kingdom.

Tel: (44-71) 586-5526

Fax: (44-71) 586-4866

Telex:

E-mail: tve-uk@geo2.geonet.de

Television Trust for the Environment (TVE) was set up by UNEP, WWF, and Central Television in the UK in 1984. An independent, non-profit organisation, TVE's mission is to act as a catalyst for the production of films on environment, development, health and human rights issues; to ensure that films made in the industrialised world - often about problems in the developing world - are broadcast in developing countries; and to encourage film-makers in the South to make their own films on environmental problems, adapted to their own cultural needs. TVE's goal is to raise environmental awareness worldwide: to create a greater understanding of the complex links between resource depletion, social inequity, poverty, health and environmental degradation.

The power of television to communicate environmental messages, often to mass audiences, is well documented. TVE works by acting as a bridge - or broker - between non-broadcast agencies (United Nations agencies, bilateral agencies and organisations such as Oxfam, Panos or WWF) and the television industry. Its skill is to take the seemingly complex priorities of the cooperating agencies and turn them into television programmes that will attract audiences worldwide: to take issues like child development, primary health, poverty or the threat from desertification, and translate them into mainstream television programmes - drama, 'soaps' and children's programmes, as well as documentaries - that focus on the human stories involved in sustainable human development.

In 10 years, TVE has helped catalyse the production of over 200 environmental films and videos, winning at one time or another all the major broadcast prizes.

While TVE co-produces programmes with television stations, broadcasters and independent film-makers from around the world, it has a special remit towards film-makers from the South. The rapid spread of new satellite and cable channels has reinforced the dominance of western programming over the global airwaves - starving southern TV viewers of programmes which effectively represent the realities of their situation. So increasingly, during the past 10 years, TVE has assisted southern producers and directors in making films that mirror their own perspective on their own environmental and development issues. With the BBC and the One World Group of Broadcasters, TVE pioneered the concept of **Developing Stories**. Over two series it has given ten outstanding film-makers from the South an opportunity to make their own programmes, in their own chosen genres, presenting their view on environment and development issues.

6.1 TVE's Distribution and Information Services

TVE's commitment to programme-making can only bear fruit if these films are seen as widely as possible across the world. This was the rationale behind the setting up in 1987 of TVE's **Moving Pictures** service. Launched with funding from UNEP, the European Commission and the Swiss Development agency, it is the only editorially-independent service of its kind. It provides both a clearinghouse for information about environmental films, with a free or 'at cost' distribution service for developing countries. This offers a wide range of quality programmes on environment, development, health and human rights issues for broadcast and non-broadcast use. In the world's low and middle income countries, where television stations rarely have the contacts or hard currency to acquire quality programmes, this service ensures that these programmes get seen.

Moving Pictures is made up of four components: the distribution service, the quarterly magazine *Moving Pictures Bulletin*, a database of environmental films and distributors and the OUTREACH service.

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TVE Distribution Service

TVE publishes a yearly distribution catalogue listing all the programmes it can make available to television stations and NGOs in the developing world and countries with economies in transition (the former Eastern Bloc countries). The most recent catalogue, *Moving Pictures 5*, was published in November 1993 and contains details of over 200 programmes, categorised thematically, as well as by genre and geographical location. A selection of these films is given below.

To obtain the film, southern broadcasters and NGOs worldwide select the programmes they want from *Moving Pictures 5* and complete an order form to TVE's Distribution Centre, specifying the formats and languages they require. There are varying degrees of charges: up to 10 programmes per order are despatched free-of-charge to television stations in the UN category of low income countries, while middle income countries pay the costs of duplication and despatch. NGOs in low and middle income countries pay similarly staged charges, while NGOs in OECD countries pay a commercial charge that helps to subsidise the free distribution to poorer countries. The service is currently supported by grants from the Netherlands Foreign Ministry and the Swedish International Development Authority (SIDA).

Wherever possible, TVE tries to provide programmes in the main UN languages. When TVE is unable to provide programmes in a language, it sends out an international master, with an English or French script, to enable broadcasters to dub on their own language.

Up to one third of the films in *Moving Pictures 5* are from programme-makers in the South or North/South co-productions. *Moving Pictures* is the only distribution service promoting South-South audio-visual exchange. In the seven years since it first started, this service has distributed over 24,000 tapes to television stations, educational institutions and NGOs in developing countries and countries with economies in transition.

The Moving Pictures Bulletin

A critical review of new environmental films and videos, the *Moving Pictures Bulletin* provides a unique information service to subscribers in both the developed and the developing world. Published quarterly in English, with French and Italian versions from partner organisations, the Bulletin has a global remit: to increase the flow of information between North and South, East and West, on the latest productions dealing with environment, development, health and human rights issues, who distributes them, who is making them - and the context in which they work.

By concentrating on film and audio visual productions on environment and development issues, the Bulletin has developed a unique constituency among broadcasters, educationalists, film-makers, festival organisers, and environment and development NGOs. It has grown from a simple listings service to a specialist magazine, catering for a variety of needs, and from an initial print run of 2000 to 10,000 copies, distributed in 120 countries.

Each issue of the Bulletin is built around a specific theme, with analysis of the issues by specialist writers. Many Bulletins are supported by individual donors who fund supplements focusing on issues of special interest to them. The UK Department of the Environment, for example, funded a special distribution supplement on programmes available to illustrate the agenda of the 1992 UN Earth Summit in Rio de Janeiro. Similarly, the European Commission supported the special issue on the Small Island Developing States conference.

The Moving Pictures Database

The database provides a complementary service to back up the *Moving Pictures Bulletin*. All the films reviewed in the Bulletin are also stored in the database, together with a great many more titles gathered from film festivals, seminars, distributors and through exchanges with other databank operators. Intended to act as the 'Yellow Pages' for programmes on environment, development, health and human rights issues, the database contains details of over 2000 productions.

The database is thematic, enabling users to search for the programmes most suitable for their needs, in the most appropriate language, format and length. For example, an NGO planning a workshop/seminar on pesticides can

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request a search on all film titles covering the issue. The print-out outlines the programme's content, comments on the style of the productions, and gives information on who holds the distribution rights, for both broadcast and non-broadcast use, in different regions of the world. Print-outs are available free-of-charge to users from developing countries: for film-makers or broadcast stations in the North, there is charge of US\$30. Due to be re-launched with a new software programme in April 1995, the database will subsequently become accessible via the Geo-Net global computer network.

OUTREACH

The OUTREACH project was set up in 1986 to compile and distribute health and environment information packs for use by NGOs and in primary school curricula in developing countries. Operating through a network of national focal points, and with the approval of governments, OUTREACH assists in the development, production and free distribution of children's health and environment magazines. With a support unit funded by UNEP, the UK's Overseas Development Authority (ODA) and WWF, OUTREACH packs, summarising up-to-date scientific information in the fields of environment, development and health, are sent out on a monthly basis to over 300 individuals and organisations in over 60 countries. Packs are available in English, French, Arabic, Spanish and Portuguese versions, often linked to new programmes or series that TVE is distributing to broadcasters in the developing world. Each pack includes materials suitable for adaptation by the media, teacher training colleges and community centres.

Among the most notable successes inspired by the OUTREACH packs are 'Pied Crow', published by CARE Kenya, and distributed to every primary school and secondary school in the country; a children's health and environment magazine in Thailand, with over 100,000 copies distributed to over 13,000 institutions, including hilltribe schools and municipal reading centres; and 'Action Magazine', with 80,000 copies distributed in Zimbabwe, Botswana and Zambia.

OUTREACH information packs include radio scripts, adapted by a growing network of radio stations in the South. A quarterly newsletter, summarising OUTREACH activities and successes, was introduced in the summer of 1990.

6.2 Other Projects

Database of Southern Filmmaking Professionals

On co-productions with northern producers, TVE's policy is to push for southern crews and technicians wherever possible. With grants from NOVIB in the Netherlands and the European Commission, TVE has compiled **Round the World Crews**, a database of film-makers and technicians in developing countries intended to provide information to producers around the world on indigenous skills and talents.

Satellite, Cable and Back-Up

With the recent, rapid spread of new satellite and cable services, TVE has established agreements with a number of international television agencies. Cooperation with World Wide Television News (WTN), has produced *Agenda 21*, a popular, mainstream magazine programme focusing on sustainable development and the environment. TVE is also working closely with the BBC World Service Television which has 'footprints' over Africa, Latin America and South East Asia - enabling TVE's material to reach a wide variety of global audiences.

TVE has also built up considerable experience in producing back-up materials for programmes, and for re-editing and repackaging programmes for alternative uses, on news programmes and in the classroom. Together with WWF, UNEP, Central Television and the World Bank, TVE is a member of the IMCED consortium developing a range of interactive programmes on the environment on CD-ROM for schools and other educational institutions.

6.3 Television and Video Programme Samples

GENERAL

Five Realities of the Future

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Producer/Director: Damien Rea; Year: 1992; Length: 35'; Language: English; Production Co: Environment Liaison Centre International/TVE

Damien Rea's film reveals the astonishing impact that local communities can have on their environment. In Costa Rica, the Bibri people have fought a successful battle to win back the ancestral lands taken from them by Spanish settlers. On the Japanese island of Ishigaki the villagers of Shiraho staged a campaign to stop the government building an airport which would destroy their coral reef. In India, the villagers of Dhanawas have built their own gas generators to provide cheap energy. These are among five vignettes featuring grassroots groups in five continents which demonstrate the power of local people to take control of their own lives.

1. World; 2. General

The Girl who saw the World from Above

Producer/Director: Maria-Cristina Rosales; Year: 1992; Length: 60'; Language: English, Spanish; Production Co: CREA

Eight-year-old Adriana has a dream - to be able to fly. In this magical film from Guatemala, her dream comes true when a mysterious stranger carries her off in a balloon to the ancient Mayan temples of Mexico and the tropical forests of Peten. Confronting tomb robbers and exploring the depths of the Caribbean, Adriana is witness to man's destructive power in a fragile world. Mixing adventure and fantasy to uplifting effect, this is a tale for children and adults alike. It offers information on the threat to the global environment, and inspiration in the bid to conserve it.

1. Americas - Guatemala; 2. Conservation; 3. Children

Poverty and the Environment

Producer/Director: Damien Rea, Ian Potts; Year: 1993; Length: 15'; Language: English; Production Co: TVE

Commissioned for World Environment Day 1993, this film demonstrates that economic deprivation and environmental degradation go hand in hand, creating a life of constant hardship for the people of the developing world. One of the starkest images here is of a Kenyan man felling a tree that took 70 years to grow. The money he makes from the charcoal will feed his family for just three days. But there is an imperative associated with this crisis. Development must be sustainable: the laws of economics can no longer ignore the laws of nature.

1. World; 2. Sustainable development

Twelve Days to Save the World

Producer/Director: Catherine Tiernan, Frank Stapleton; Country: Ireland; Year: 1993; Length: 52'; Language: English; Production Co: Ocean Films;

"An important biological species is at risk of disappearing due to the fast and progressive removal of its natural habitat. That species is man." This was the warning delivered by Cuban president Fidel Castro to the UN Earth Summit in Rio de Janeiro in June 1992. In this powerful analysis from Ireland, economist Marcus Arruda offers a different perspective on the significance of the conference. Articulating a Brazilian viewpoint, he focuses on the summit's failure to resolve the issue of debt, the power of the multinationals, the role of women, the rise of militarisation and the growing inequality between North and South. How, Arruda asks, can the rhetoric of Rio be applied to a global economic model which continues to spurn the notion of sustainability?

1. World; 2. Sustainable development

LAND PROTECTION

Malaysian Takeaway

Producer/Director: Brian Leith; Year: 1991; Length: 30'; Language: English; Production Co: Scorer Associates, BBC

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The world is chewing up Sarawak's trees like forest 'fast food'. In the last few years, the scale of logging here has increased dramatically, generating enormous profits and thrusting Sarawak into the late twentieth century. As the booming capital Kuching becomes a 'mini Singapore', with economic growth of 10 per cent per annum, Sarawak has visions of joining the first world by 2020. But there is a price to be paid for such rapid development. With its focus on the 1991 provincial elections, Brian Leith's documentary examines the choices and dilemmas which face the people of Sarawak.

1. Asia - Malaysia; 2. Sustainable development

Parks or People

Producer/Director: Damien Lewis; Year: 1991; Length: 39'; Language: English; Production Co: Forest Films

Korup National Park and the Kilum Mountain Forest are two state-of-the-art rainforest projects in Cameroon. **Parks or People** explores the relative merits of two approaches to forest conservation here. Kilum, set up by the International Council for Bird Preservation, is small scale and relies on local expertise. Korup, a more ambitious project by the World Wide Fund for Nature, began by moving people out of the forest reserve, whilst Kilum actively encouraged local people to move back in to practise sustainable use of forest resources. Winner of a Wildscreen 1992 Golden Panda Award, the film argues that conservation can only be made to work by giving local people an economic stake in the protection of their own rainforest.

1. Africa - Cameroon; 2. Sustainable development; 3. (Rain)forest

The Savage Strikes Back

Producer: Alan Hayling, Luke Holland; Year: 1992; Length: 5x50'; Language: English; Production Co: Nexus Features

Where many anthropological series portray indigenous peoples as exotic curiosities, these five films explore their crucial conservation role and their case for self-determination. In **Flames in the Forest**, Amazon Indians resist the invasion of oil companies of traditional forests in Ecuador. **Hunters and Bombers** looks at the conflicting interests of the Innu of Canada and the combined air forces of the Goose Bay base. **Rebels of the Forgotten World** focuses on tribal armed resistance in West Papua to Indonesia's transmigration policy. **The Kimberly Mob** examines moves to rebuild aboriginal culture on traditional lands in Australia. And **Follow the Rainbow** tells the story of the Ho tribe's opposition to the construction of two massive dams on the Subarnarekhal River in South Bihar, India.

1. World; 2. General

THREATS TO BIODIVERSITY

Coral Reefs

Year: 1991; Length: 28'; Language: English; Production Co: Smithsonian Institute

Coral reefs are one of the world's great natural miracles. They thrive in nutrient-poor water yet are one of the most productive ecosystems on earth. One reef can support over 100 different plant species, as well as a wide variety of fish which feed on the algal skin of the reef structure. Yet this precious resource is increasingly threatened by industrial contamination and ill-judged development projects. This beautiful film focuses on a pioneering research project undertaken in the Caribbean by the Smithsonian Institute. The project has contributed a great deal to our understanding of reef ecosystems and the role they may one day play in feeding the world.

1. World; 2. Reefs

The Green Iguana

Producer/Director: Ole Brent Froshaug, Aslak Aarhus; Year: 1992; Length: 17'; Language: English; Production Co: Visions

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More hunted than the seal, more threatened than the whale, the green iguana or 'tree chicken' of Central America is on the verge of extinction. But as this colourful film illustrates, it could become a saviour of the threatened rainforests of the region. The farmers of Costa Rica and Panama will only be motivated to protect the forests if it is to their financial advantage. Farming the green iguana provides the necessary incentive. Gourmets will pay large sums for its tender flesh, and the skin of the iguana is highly prized for shoes, belts and watch straps. "With 300 iguanas in one hectare of rainforest," enthuses a villager, "I can make more money than if I had the same area of cattle farm."

1. Americas - Costa Rica, Panama; 2. (Rain)forest; 3. Endangered species

Parrots in Peril

Producer/Director: Mark Slocombe; Year: 1993; Length: 42'; Language: English; Production Co: Mark Slocombe

Perched on the edge of the Andes, the Popocarpus National Park is one of Ecuador's most important wildlife protection areas and home to two species of parrots found nowhere else on earth. But the region has become the focus of a bitter conflict between gold miners and conservationists. The dispute has arisen over plans to extract gold from inside as well as outside the park. **Parrots in Peril** follows a group of young British ornithologists intent on finding the White Faced Parakeet and the Red Faced Parrot, and on confronting the Norwegian mining company which threatens to destroy their habitat.

1. Americas - Ecuador; 2. Endangered species

Partners in Time

Producer/Director: Jim Nicholls; Year: 1993; Length: 30'; Language: English; Production Co: TVE

The Sokoke Scops owl, a newly discovered species, is in serious danger of extinction in the face of rainforest decimation in Kenya. Efforts to protect the resources of the remaining forest have been spearheaded by KIFKON, the Kenyan Indigenous Forest Conservation Programme. Focusing on three reserves ranging from mangrove to savannah, this film examines the roots of the forestry crisis and assesses the needs of local communities. As KIFKON attempts to shift responsibility for forest management from national authorities to local communities, the people are at last being offered an incentive to conserve their forest.

1. Africa - Kenya; 2. (Rain)forest; 3. Community; 4. Rural support

Rif Blong Yumi

Producer: Philip Shingler, David Halliday, Dr John Hambrey; Year: 1992; Length: 23'; Language: English; Production Co: Western Exposure.

The people of the Solomon Islands are on the verge of losing their richest marine resource: their coral reefs. The reefs provide the local communities with sustenance, a livelihood, and protection from the elements. **Rif Blong Yumi** assesses the devastating impact of population pressure, overfishing and tourism on the delicate reefs. In frank interviews with local people and government officials, the film-makers consider traditional forms of marine conservation practised by fishermen from the Marou lagoon, and examine possible solutions to the crisis.

1. Pacific - Solomon Islands; 2. Reefs; 3. Seas, oceans

Socotra: Island of Dragon's Blood

Producer/Director: Edward Milner; Year: 1992; Length: 16'; Language: English; Production Co: Acacia Productions

The island of Socotra off the Yemeni coast is home to over 750 plant and tree species, 250 of them endemic. In 1992, the island was visited by an international team of scientists and botanists. Edward Milner's short documentary follows the expedition, recording their efforts to catalogue and evaluate Socotra's extraordinary genetic wealth. The bark of the Dragon's Blood tree has special value. Used in ancient times by Byzantine emperors to sign their names, today it is pounded and heated to make incense, pigments and medicines. More significantly, all the botanic

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specimens found here are highly resistant to drought, a genetic quality ideal for habitat restoration with enormous potential for other drought-prone parts of the world.

1. Middle East - Yemen; 2. Conservation; 3. Drought

Whale Wars

Producer/Director: Paul Cleary; Year: 1993; Length: 50'; Language: English; Production Co: Goldhawk Productions, BBC

A hard-hitting analysis of the debate between the whalers of Japan and environmental lobbyists who claim the industry is a cover-up for indefensible slaughter, **Whale Wars** highlights the 1993 international whaling conference held in Kyoto, Japan. Its protagonists are two officers of the Environmental Investigation Agency who reveal the truth behind the dolphin and small whale fishing industry in Japan. The Japanese government claims the whalers cater only to local consumers. But the EIA team points the finger at an operation out of control, an industry intent on expanding catches of dolphin and pilot whale, and concludes with the words of the naturalist Sir Peter Scott: "If we can't save the whale, we can't save ourselves."

1. Asia - Japan; 2. Endangered species; 3. Seas, oceans

IMPACTS OF MANKIND

Ancient Futures: Learning from Ladakh

Year: 1993; Length: 40'; Language: English; Production Co: International Society for Ecology and Culture

In the wild and remote Himalayan province of Ladakh, the march of development is undermining an ancient social order in harmony with its surroundings. Where tradition considers it a sin to throw rubbish into running water, crystal streams are now contaminated. This breakdown is forcing a re-examination of what we really mean by 'progress'.

1. Asia Tibet; 2. Sustainable development

Fish Wars

Producer/Director: Michael Chechik; Year: 1991; Length: 46'; Language: English; Production Co: Omni

Inspired by the success of the fish farming industry in Norway, aqua culture in British Columbia has expanded dramatically from ten commercial operations in 1984 to over 100 in 1987. Michael Chechik examines the impact of an industry which critics see as unregulated, a danger to wild fish populations and a threat to traditional fisheries. **Fish Wars** analyses each stage of the fish farming business and presents both sides of a conflict which goes to the heart of coastal life here. Biologists express concern over the use of hormones and antibiotics, and the threat of imported diseases from Europe. Meanwhile, industry spokesmen champion an industry which in their view represents economic salvation for the local people.

1. Americas - Canada; 2. Fishing; 3. Seas, oceans

The Heat of the Moment

Producer/Director: Poonam Sharma, Glen Ellis; Year: 1992; Length: 60'; Language: English; Production Co: Catma Films

The oil companies may say they care about the environment in their glossy advertising campaigns, but Glen Ellis suggests otherwise. In 1989, over 80,000 litres of petroleum were leaked each week into the jungles of Ecuador, contaminating the landscape and threatening the livelihood of the indigenous peoples. Oil operations by BP in the highlands of Papua New Guinea have caused bitter land disputes while in Nigeria in 1990, 80 people lost their lives in demonstrations against Shell. In the film-makers' view, the multinationals are free to exploit the rainforest's resources but the local people are powerless to prevent the devastation which follows.

A Sourcebook for Conservation and Biological Diversity Information

1. World;
2. (Rain)forest;
3. Multinationals;
4. Indigenous peoples;
5. North-South

Mighty Acheloos

Producer/Director: Thomas Schultz-Westrum; Year: 1993; Length: 50'; Language: English, German, Greek; Production Co: Eco-Communications

In central Greece, a major environmental disaster is unfolding. The Greek government is using European Community money to divert the country's largest river, the Acheloos. Thomas Schultz-Westrum follows the river from its source in the Pindus mountains to its delta and reveals worrying evidence that the proposed dams and diversions will destroy the famous Messolongi lagoons. These wetlands are supposedly protected by EC directive, yet ironically the EC is the principal sponsor of the project which threatens them. Disturbingly, the film asks whether diverting the course of the river Acheloos will lead to silting up.

1. Europe - Greece;
2. Sustainable Development;
3. Rivers, lakes;
4. Wetlands

Pest Wars

Producer: Sean Morris, Chris Haws; Year: 1992; Length: 49'; Language: English; Production Co: OSF, INCA, BBC

Each year, 40 per cent of world food production is lost to pests. Yet ironically, scientists and farmers are turning away from the chemical pesticides developed as part of the 'miracle' package of the 1960s Green Revolution. Research has shown that many of these pesticides do more harm than good, poisoning the environment and killing the natural enemies of the pests. This film crosses five continents to document the development of alternative approaches, including biotechnology and the use of natural predators. In Indonesia, a 90 per cent reduction in pesticide application and the introduction of natural predators achieved an impressive 50 per cent rise in rice production within three years.

1. World;
2. Agriculture;
3. Pesticides

Yemen's Dilemma: Environment versus Development

Producer/Director: Anthony Milroy; Year: 1993; Length: 20', 30', 40'; Language: Arabic (English subtitles); Production Co: Arid Lands Initiative

In his 1991 documentary, *The Hanging Gardens of Arabia*, Anthony Milroy first showed how Yemen's centuries-old terrace farming system was in danger of crumbling away because of inappropriate aid programmes. The three films that make up *Yemen's Dilemma* look in depth at the effects of deforestation and over-extraction of groundwater. How can community programmes be used to introduce traditional and innovative techniques to halt the process of land degradation and to restore the fertile plains, the wadis, of Yemen?

1. Middle East - Yemen;
2. Agriculture;
3. Desertification

OTHER FILMS

Arid Choice

The devastating social, economic and environmental cost of desertification in sub-Saharan Africa.

The Blue Eye of Siberia

Pollution threatens the unique ecosystem of Lake Baikal in Siberia, the largest freshwater lake in the world.

Can Polar Bears Tread Water?

The destruction of tropical rainforests, and what can be done to save them.

Caviar

Pollution from industry is killing all life in the great river Volga, including the sturgeon that provide

Audio-Visual Resources

Russia's best-known export - caviar.

Children of Chernobyl

The long-term effects on children in the former Soviet Union of fall-out from the world's worst nuclear accident.

Climate Change: Nature's Revenge

How unsustainable industrial development triggers changes in global climate patterns, and the measures that can alleviate them.

Coral Triangle

The threat to the fragile coral reefs around the Philippines from 'chamber net' fishing and from tourism.

Crowded Desert

A portrait of the Bishnois of Rajasthan whose religion has made them prosperous without destroying the fragile desert environment.

Fragile Riches

Sustainable forest nurseries in Zimbabwe, grown to reduce soil erosion.

Green Bucks

How industry can develop more sustainable production techniques, and still save money.

The Greening of Thailand

The struggle of Thailand's 'green' movement in the face of powerful opposition.

Halting the Fires

How the sustainable use of Amazon resources provides an incentive to halt the destruction of the world's principal rainforest.

The Hanging Gardens of Arabia

How misguided aid projects have contributed to the breakdown of Yemen's sophisticated agricultural terrace system, plus attempts to restore it.

Hard Edge

How the countries bordering the Zambesi river basin have joined forces to preserve their environment and wildlife.

Jungle Pharmacy

Best-selling documentary on Amazonian peoples' traditional knowledge of plant medicines and their pharmaceutical potential.

Last Show on Earth

Breathtaking wildlife photography plus a highly emotive score by some of the world's most popular musicians in an award-winning documentary on endangered species.

Latvia's Rich Wetlands

The introduction of new farming techniques threatens Latvia's unique wetlands.

Law of the Jungle

The political battle over La Macarena, Colombia's most important wildlife reserve.

A Sourcebook for Conservation and Biological Diversity Information

Living Arts

How traditional theatre helps spread the environmental message to villagers in India

Living with Drought

Soil and water conservation projects in Niger and Kenya in the fight against environmental degradation.

Men of Ndolera

How communities in Zaire have succeeded in persuading their government to invest in agricultural machinery and healthcare.

Mpingo: The Tree that Makes Music

Tanzania's Mpingo tree provides the black hardwood for local carvers and for the musical instruments of the world.

Mucking up the Med

Overdevelopment, overfishing and the dumping of industrial waste threaten the fragile ecology of the Mediterranean Sea.

Once there was a Forest

Award-winning documentary on how colonialism destroyed Tanzania's forests, and how the old, sustainable agricultural techniques are being revived.

Poisoning the Pole

How indestructible airborne contaminants from industrialised countries have made the Arctic wilderness more polluted than many inner city areas.

Profits from Poison

Looks at the dangers of pesticides to human health and the environment, and the safety and effectiveness of natural, plant-based alternatives.

Rainbow Reports

A profile of seven young environmentalists and their motivation for choosing to live and work as they do.

Rivers of Sand

Award-winning documentary on drought and desertification in the Niger river delta, and one man's dream of bringing the waters back to dried-up Lake Fagubine.

Salt of the Earth

How farming communities are working together to combat salinisation and to regain lands lost to desert in China.

Seeds of Plenty, Seeds of Sorrow

How the Green Revolution - widely regarded as the most successful development strategy ever - failed to take account of India's ecology and fragile social structure.

Take Care of your Soil

How popular theatre can demonstrate to farmers traditional methods of fighting soil erosion.

Thailand for Sale

The devastating effects of the recent tourist boom in Thailand on local people and their environment.

Trade and Survival

Audio-Visual Resources

How CITES (Convention on International Trade in Endangered Species) is trying to control the trade in wildlife around the world.

Triangle of Life

The story of an imaginative aid project which inspired local people to call a halt to logging by foreign companies, to save the rainforest and revive the population of flying foxes in Western Samoa.

Vietnam after the Fire

Powerful, award-winning documentary on the environmental consequences of the Vietnam War, plus how the Vietnamese are working to rebuild their country.

Water Wars

Three films on how water has become a source of conflict in the USA, in republics of the former Soviet Union, and in the Middle East.

Wetland World

The crucial role of wetlands, and what the RAMSAR Convention is doing to help protect them.

When the Bough Breaks

Award-winning film about the links between environmental health and the well-being of children around the world.

Zimbabwe Trilogy

Three documentaries on wildlife conservation in Zimbabwe.

6.2 WWF Photolibrary

Contact: Michele Despraz
Avenue du Mont-Blanc, 1196 Gland, Switzerland
Tel: (41-22) 364 91 11
Fax: (41-22) 364 47 71
Telex:
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Contact Photo Library for details.

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IUCN – The World Conservation Union

Founded in 1948, The World Conservation Union brings together States, government agencies and a diverse range of non-governmental organizations in a unique world partnership: over 800 members in all, spread across some 130 countries.

As a Union, IUCN seeks to influence, encourage and assist societies throughout the world to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable. A central secretariat coordinates the IUCN Programme and serves the Union membership, representing their views on the world stage and providing them with the strategies, services, scientific knowledge and technical support they need to achieve their goals. Through its six Commissions, IUCN draws together over 6000 expert volunteers in project teams and action groups, focusing in particular on species and biodiversity conservation and the management of habitats and natural resources. The Union has helped many countries to prepare National Conservation Strategies, and demonstrates the application of its knowledge through the field projects it supervises. Operations are increasingly decentralized and are carried forward by an expanding network of regional and country offices, located principally in developing countries.

The World Conservation Union builds on the strengths of its members, networks and partners to enhance their capacity and to support global alliances to safeguard natural resources at local, regional and global levels.

UNEP

The Stockholm Conference on the Human Environment, convened by the United Nations in 1972 to consider the condition of the environment, called for the elevation of environmental awareness and the promotion of such actions at all levels of society worldwide.

The UNEP mission statement explains what the organization does and why: "UNEP is to provide leadership in caring for the environment by promoting, inspiring, informing, enabling and assisting nations and peoples to improve their quality of life without compromising that of future generations."

UNEP has been at the forefront of conservation efforts and sustainable use of the earth's resources and has assisted in the development of the 1992 Convention on Biological Diversity. In 1994 during the first Conference of the Parties, UNEP was chosen to continue in the capacity of the permanent secretariat for the Convention.

UNEP also continues to administer the 1973 Convention International Trade in Endangered Species of Wild Fauna and Flora (CITES) and the 1979 Convention on the Conservation of Migratory Species and Wild Animals (CMS).

The UNEP Biodiversity Programme and Implementation Strategy (BPIS), launched in November 1994, provides the overall framework for the organization's activities in the field of biodiversity. It is fundamentally a multidisciplinary, multi-sectoral approach to the integrated management and sustainable utilization of biodiversity in oceans and coastal areas, freshwater ecosystems and terrestrial ecosystems.

IUCN Communications Division
Rue Mauverney 28
CH-1196 Gland, Switzerland
Tel: ++ 41 22-999 00 01
Fax: ++ 41 22-999 00 10
E-mail: mail@hq.iucn.ch

IUCN Publications Services Unit
219c Huntingdon Road
Cambridge, CB3 0DL, UK
Tel: ++ 44 1223-277894
Fax: ++ 44 1223-277175
E-mail: iucn-psu@wcmc.org.uk