

Sub-Programme Implementation: Environment under Review



Enhancing the science policy interface

1. Assessments
2. Early warning
3. Data and Information

Sub-Programme Overview



1. Overview Environment Under Review 2016-17
2. Update on Global Environment Outlook 6 and Frontiers 2017
3. Launch of Environment Live
4. UN Environment Assembly 3 Pollution: selected findings from the Global Environment Outlook-6 regional assessments

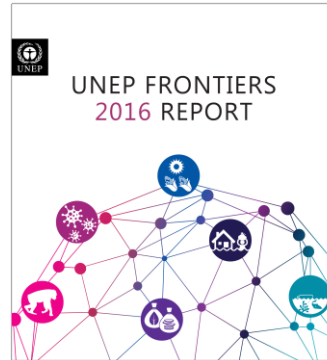


United Nations
Environment Programme



1. Six regional assessments delivered UN Environment Assembly 2 – June 2016
2. First meeting for Global Environment Outlook-6, including Outlooks – February 2017, Italy
3. Launch of new Environment Live to provide data, indicators and assessments – February 2017, Nairobi
4. Global Environment Outlook-6 progress report & input to pollution theme for UN Environment Assembly 3 - December 2017

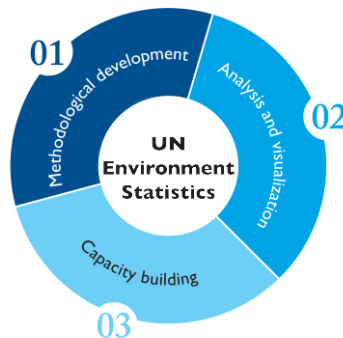
Frontiers 2017



Six emerging issues for 2017 edition:

1. Antimicrobial resistance
2. Sand and dust storms
3. Off-grid solar power
4. Marine protected areas
5. Environmental displacement
6. Nano-materials and pollution

Launch May 2017



1. Monitoring and reporting on the environmental dimension of the 2030 Agenda for Sustainable Development
2. Contributing to the Global Sustainable Development Report
3. UN Environment custodian of 26 Sustainable Development Goal indicators and contributing to >20 more
4. Sustainable Development Goal Interface Ontology, methodology and metadata development
5. Analysis and visualization of indicators
6. Development of national capacities in environmental statistics



1. Open online platform for environmental data, statistics, information, assessments with over 900 indicators and 900 maps
2. Mapping and search tools, social media tracking, theme pages, citizen science and communities of practice
3. Linkages and synergies between goals, targets and indicators





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SEARCH

ASSESSMENTS

WORLD DATA

SELECT COUNTRY/REGION/GLOBAL

DATA DOWNLOADER

SUSTAINABLE DEVELOPMENT GOALS

GET INVOLVED





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GLOBAL



UN ENVIRONMENT REGIONS



Select Other Regional Groupings

Data downloader

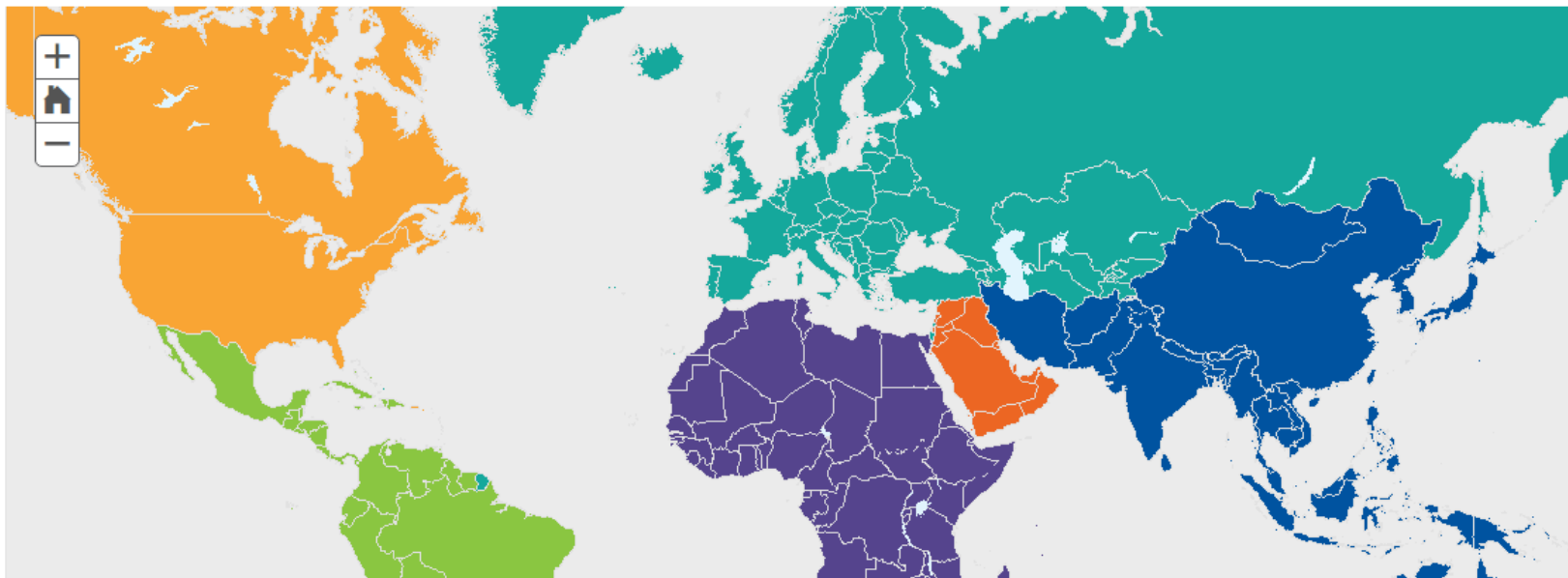


Select Country

Click a country in the map for details.

Legend

Layers





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Uganda

Select Country/Region/Global



COUNTRY PROFILE



MAPS AND DATA



LEGAL INSTRUMENTS



RESOURCES

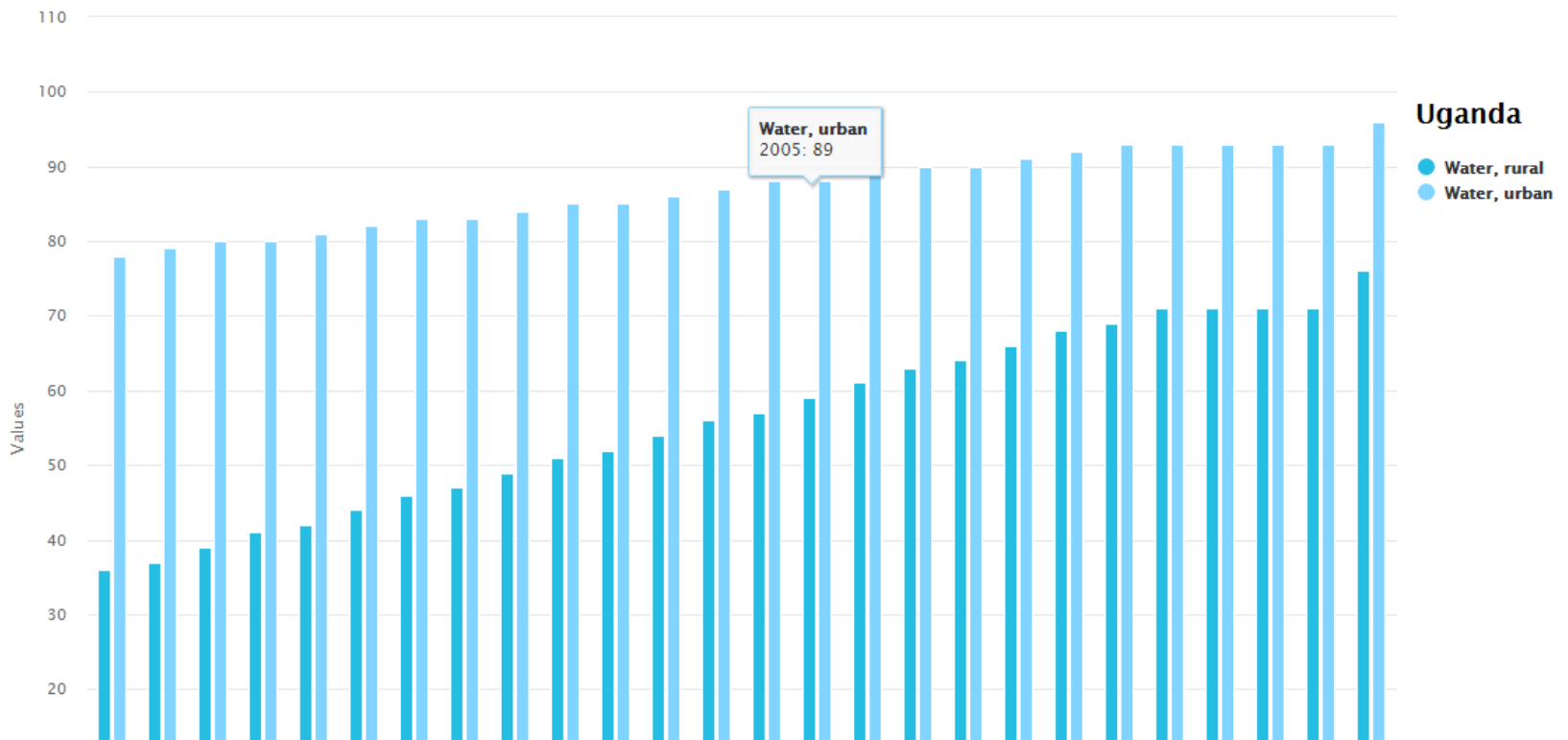


Sustainable Development Goals Dashboard

Note: Click on one goal icons to see related content



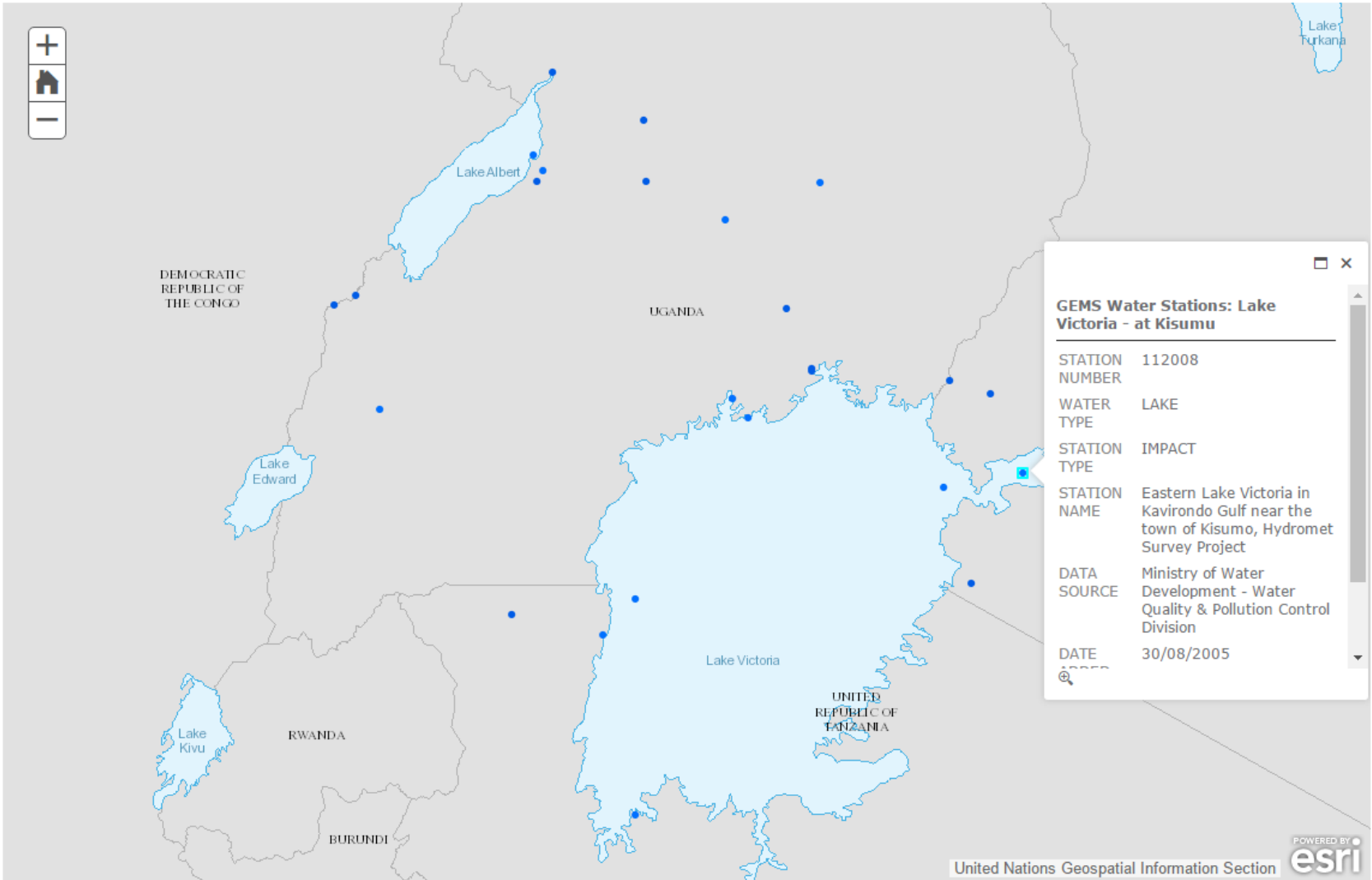
Access to improved water resource, % of rural and urban population



Freshwater Monitoring Stations and Treaties

Legend

Layers





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Country Profile | Maps and Data | Legal Instruments | Resources | Data Downloader | Themes | Geospatial Applications | Mapping Tools | **Uganda**

Select Country/Region/Global

Uganda

Legal Instruments

Reporting obligations | InforMEA

Show 10 entries

Search:

Obligation	Legislative Instrument	Report To	Reporting Format	Deadline
DDT Registration	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	DDT Questionnaires	2016-12-31
Implementation plan	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	Guidance for Developing a National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants	
National Report	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	Electronic Reporting System of the Stockholm Convention (SC-ERS)	2018-12-31
National Report	Convention on the Conservation of Migratory Species of Wild Animals	UNEP-CMS Secretariat	CMS Family Online Reporting System	2017-04-30
National report on the implementation of the Convention on Biological Diversity	Convention on Biological Diversity	Convention on Biological Diversity	National Reports Guidelines	2017-03-31
Thematic reports	Convention on Biological Diversity	Convention on Biological Diversity	Thematic Reports Guidelines	
Yearly report to the Basel Convention	Basel Convention on the control of transboundary movements of hazardous wastes and their disposal	Basel Convention	Electronic Reporting System of the Basel Convention	2015-12-31



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Data downloader

Note: Click on the headings expand or collapse the panels.


Popular downloads


All


Poverty 


281

- Access to electricity, rural (SE4All)
- Access to electricity, urban (SE4All)
- Access to improved sanitation
- Access to improved sanitation: rural
- Access to improved sanitation: urban
- Access to improved water sources
- Access to improved water sources: rural
- Access to improved water sources: urban
- Access to non-solid fuel, urban (SE4All)
- Agricultural area irrigated

Food Security 

Health and well-being 

Education 

Gender 

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Welcome to the UNEP Live Mapping page!

Here, you can create a map using your data. To do so, simply drag and drop your file (a CSV file) on to the basemap. Your file must include coordinates (latitudes and longitudes) in the following fields:

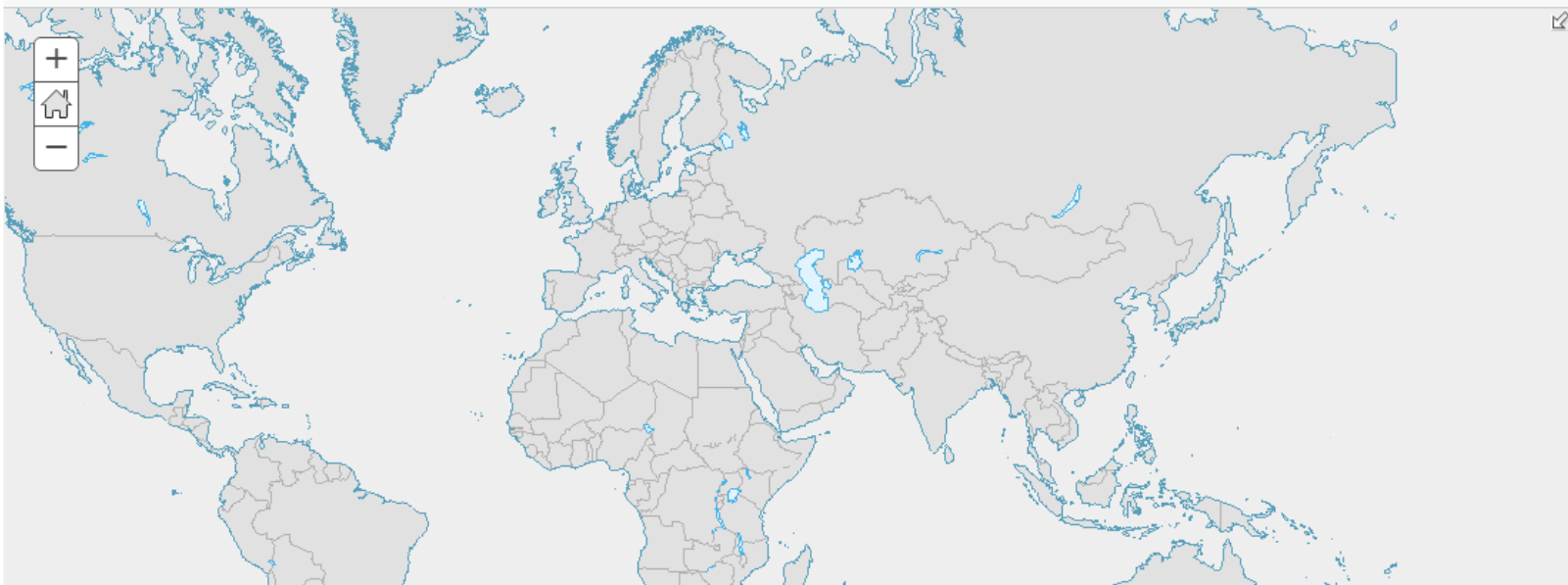
- latitude fields: lat, latitude, y, ycenter
- longitude fields: lon, long, longitude, x, xcenter.

You can also drag and drop zipped [shapefiles](#).

To save the map, use your ArcGIS Online account. If you do not have one, sign-up for a (free) [public](#) account so you can save, download or print your map.

[Home](#) ▾ UNBASEMAP (FINAL), 27 Sept 2016

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[Details](#)[Basemap](#)[Share](#)[Print](#)[Measure](#)

This page allows you to create your own maps using a (free) ArcGIS Online [public](#) account; explore and share maps about people and businesses, landscapes, the climate and much more; and gives you access to tools that will help you visualize large amounts of data and convey information in a way that's more powerful than just words. Let's get started!

MAPS ON UNEP LIVE

Explore maps on UNEP Live by Theme



Biodiversity



Clean Energy



Clean water and sanitation



Climate Change



Consumption and Production



Education



Employment and Economics growth



Food Security



Gender Equality



Health and well-being



Land



Oceans

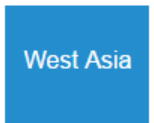
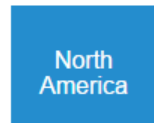
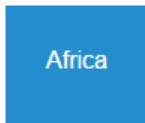


Poverty



Sustainable cities

Explore maps on UNEP Live by Region



Clean water sanitation

SEARCH WITHIN MAP

My Activity

Groundwater Resources in Africa

World Health Organization, United Nations Cartographic Section

1-10 of 11 results

Name

Share



Bathing Water Quality in Europe [\(from Open Data Group\)](#)

Shared by [uneplive_team](#)

Map shows bathing water sites and water quality data from 2002 until 2012 when zoomed in. When zoomed out aggregated data by countries for 2012 is displayed. See reports, data and other information at European Environment Agency's bathing water webpage. For the scales 1:5,000,000 and less detailed, data are aggregated...

Web Map | [www.arcgis.com](#) | ☆



Canada: Release of Mercury to Water from Facilities [\(from Open Data Group\)](#)

Shared by [uneplive_team](#)

This map shows the releases of Mercury into water, categorized from industrial and commercial facilities that met Environment Canada's National Pollutant Release Inventory (NPRI) reporting criteria. Data was collected at 114 different facilities across Canada. The last update was done in August 2014. Source: Environment Canada

Web Map | [www.arcgis.com](#) | ☆



Global Reservoirs and Dams [\(from Open Data Group\)](#)

Web Map | [www.arcgis.com](#) | ☆

My Favorites

click ☆ on any dataset to add to your favorites

Map Water Resources in Africa – for Assessments

ArcGIS Groundwater Resources in Africa

Modify Map | Sign In

Details | Basemap

Share | Print | Measure | Find address or place

Legend

Groundwater

Areas of groundwater mining

Natural groundwater discharge area in arid regions

Areas of heavy groundwater abstraction with overexploitation

Areas of saline groundwater (> 5g/l total dissolved solids)

Groundwater recharge (mm/a)

Very high in major basins

High in major basins

Medium in major basins

Low in major basins

Very low in major basins

Very high in shallow aquifers

Very low in shallow aquifers

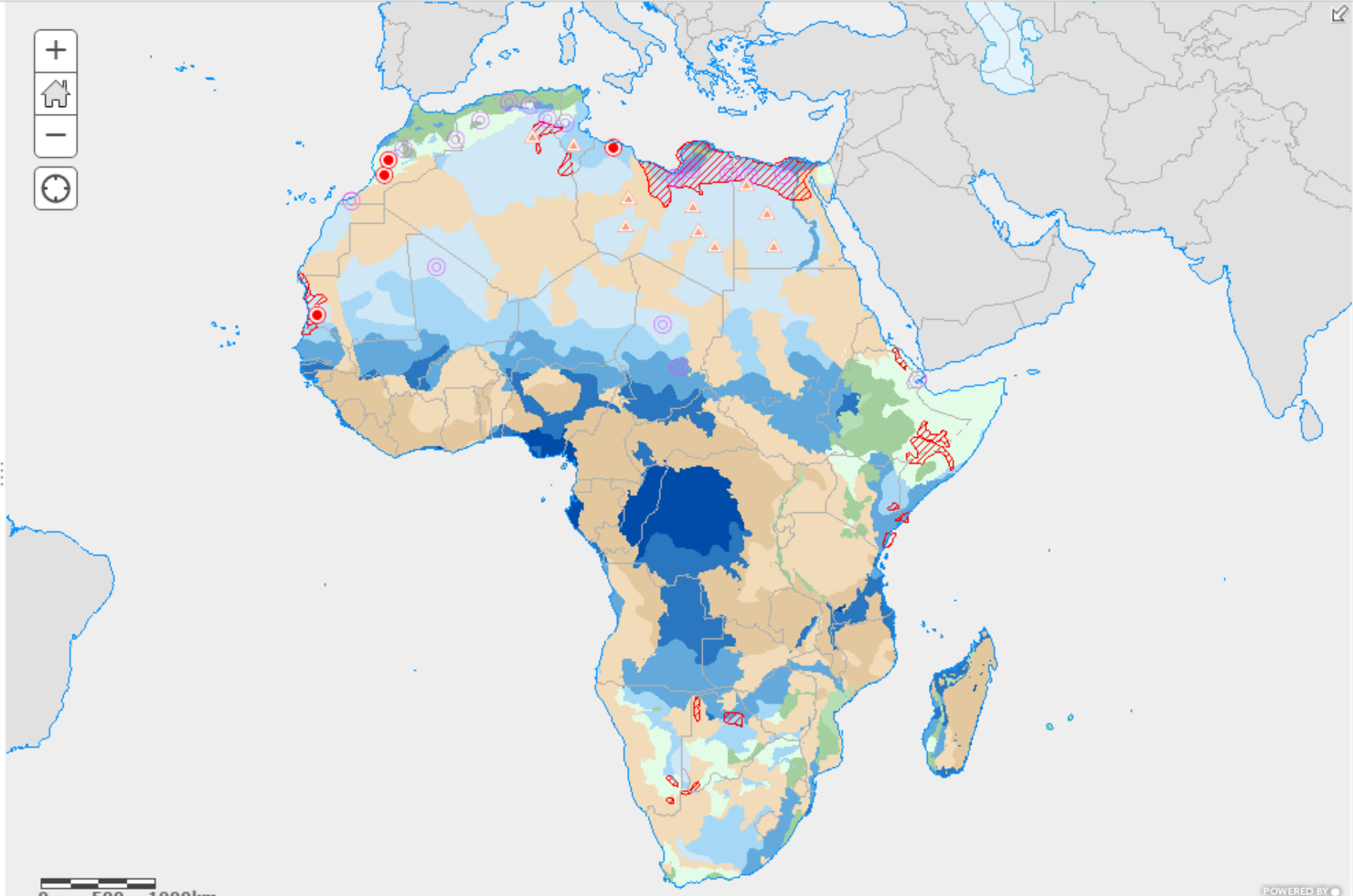
Very high in areas with complex geological structures

High in areas with complex geological structures

Medium in areas with complex geological structures

Low in areas with complex geological structures

Very low in areas with complex geological structures





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- Thematic Assessments
- Global Assessments
- GEO Workspace
- Themes
- Geospatial Applications
- Mapping Tools
- Assessments**

REGIONAL ASSESSMENTS

THEMATIC ASSESSMENTS

GLOBAL ASSESSMENTS

GEO WORKSPACE





Science and Technology

Regional Assessments

Thematic Assessments



Africa : Regional Assessment

- PDF
- E-book
- Charts
- Maps
- Infographics
- Tables
- References



Europe : Regional Assessment

- PDF
- E-book
- Charts
- Maps
- Infographics
- Tables
- References



North America : Regional Assessment

- PDF
- E-book
- Charts
- Maps
- Infographics
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- References



Maps

1. [Figure 1.1.3b : Rhinoceros horn trafficking](#)
2. [Figure 2.1.2 : Exposure of particulate matter with aerodynamic diameter of 10 micrometres or less \(PM10\) in 1 00 urban areas, 2003–2010](#)
3. [Figure 2.1.4 : Countries with regular air quality monitoring in all main cities](#)
4. [Figure 2.2.1 : CAADP country process](#)
5. [Figure 2.2.3 : Global Hunger Index and irrigation coverage in sub-Saharan African nations, 2011](#)
6. [Figure 2.2.7 : Land degradation in Africa](#)
7. [Figure 2.2.8 : Number and share of people without access to electricity, by country, 2012 - \[View on UNEP Live\]\(#\)](#)
8. [Figure 2.3.1 : Renewable internal freshwater resources per person in 1 000m3](#)
9. [Figure 2.3.10 : Africa's major wetlands](#)
10. [Figure 2.3.11 : African cities at risk due to sea-level rise](#)
11. [Figure 2.3.5 : Distribution of dams across Africa](#)
12. [Figure 2.3.6 : Total water stored in the land annually in Africa, 2003–2012](#)
13. [Figure 2.3.7 : Annual precipitation over Africa, 2003–2012](#)
14. [Figure 2.3.8 : Groundwater storage in Africa](#)
15. [Figure 2.3.9 : Transboundary aquifers and international river and lake basins in Africa](#)
16. [Figure 2.4.1 : Cropland in Africa - expansion of the area under cultivation is a major threat to biodiversity loss - \[View on UNEP Live\]\(#\)](#)
17. [Figure 2.4.2 : Africa's forests some of the continent's most important habitats](#)
18. [Figure 2.4.5 : Correlation between population growth and numbers of vulnerable species](#)
19. [Figure 2.4.7 : Percentage of the marine areas within national jurisdiction \(0–200 nautical miles\) covered by protected areas](#)
20. [Figure 2.5.1 : Global age-standardized environmental deaths, 2012 - \[View on UNEP Live\]\(#\)](#)
21. [Figure 3.1.1 : Ecosystem assets](#)

Close

Regional Assessments

al Assessment

ean : Regional Assessment

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Access to water Africa

Get all results

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Africa page

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CentralAfricanRepublic page

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SouthAfrica page

Go to Page »

Access to improved water sources: urban - Central African Republic data

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Access to improved water sources - Central African Republic data

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Access to improved water sources: rural - Central African Republic data

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Groundwater resources in Africa - Africa map

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Nile River Basin: Adaptation to Climate Change Induced Water Stress in the Nile Bas... publication

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Implementing Principle 10 and the Bali Guidelines in Africa - UNEP Perspectives No.... publication

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http://pre-uneplive.unep.org/redesign/country/index#...

Data

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Renewable water resources - page

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Total freshwater withdrawal - Afghanistan

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Water withdrawal, industry - Afghanistan

http://pre-uneplive.unep.org/redesign/country/index#...

Treated municipal wastewater - Algeria

http://pre-uneplive.unep.org/redesign/country/index#...

Publications

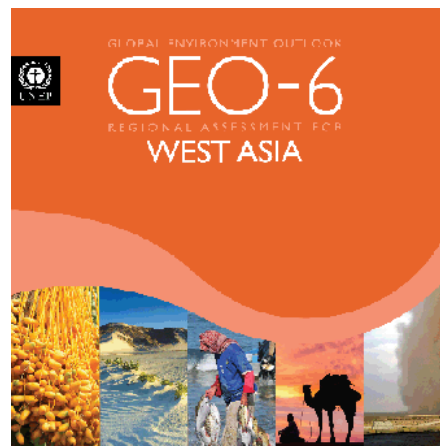
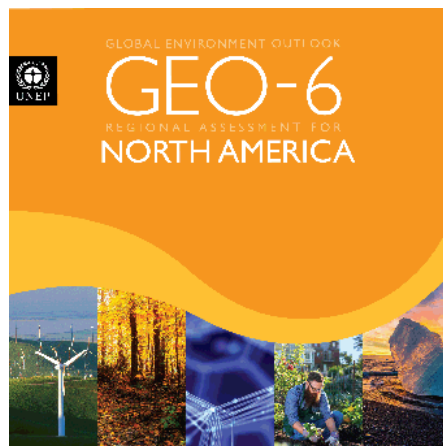
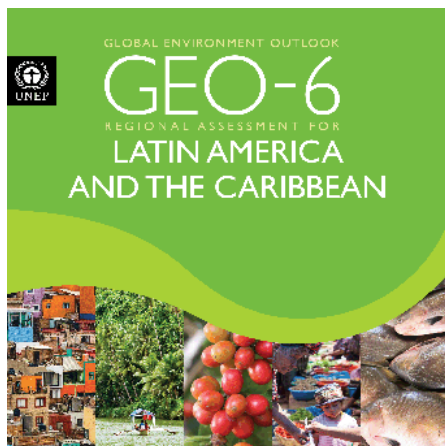
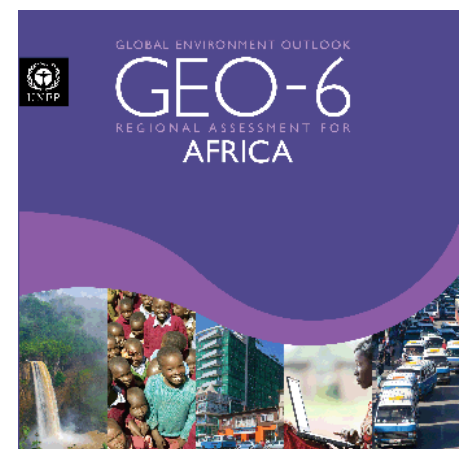
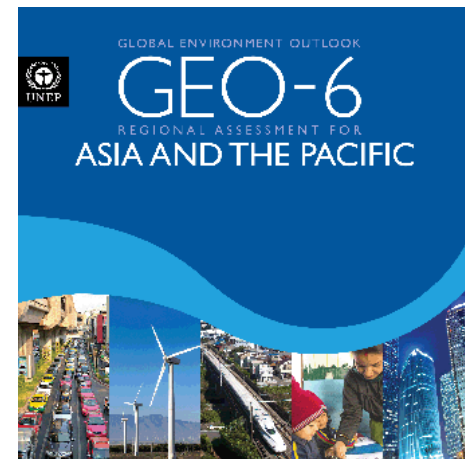
Total results 613

2011 Uganda Demographic and Health Survey - publication



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Regional Assessments Selected findings on pollution





Pollution themes

1. **Air pollution**, including sand and dust storms
2. **Marine pollution**,
3. **Fresh water pollution**, including nutrients pollution
4. **Chemicals** including toxic substances and contamination relating to industrial accidents
5. **Waste** including electronics and radioactive waste, micro plastic in marine environment, food waste and land contamination



Air Pollution:

- West Asia, Africa: **sand and dust storms**, mineral dust,
- Africa: **indoor air pollution** high, outdoor increasing
- North America: **air quality improvement** – between 1970 and 2013, **68% reduction in six air pollutants**
- Asia Pacific: improvement in SO₂ and NO_x, but increasing **particulate matter** and **ozone** levels
- Europe: air pollution is the region's **largest health risk**



Marine Pollution:

1. Africa: **pollution from land-based sources** and coastal activities, especially cities
2. Asia Pacific, North America: **marine debris**, particularly plastic, and **nutrient enrichment**
3. West Asia: **oil spills** – 20% mangroves and 50% of coral reefs affected by spill off the east coast of Saudi Arabia
4. Latin America and the Caribbean, Europe: after the Mediterranean, the Caribbean sea is **most-plastic contaminated** sea



Fresh Water Pollution:

- Africa, Asia Pacific: poor **sanitation**, discharge of **contaminants**, **wetlands destruction**
- West Asia: sea water intrusion, **salanisation**
- Asia Pacific, Europe, North America: **nutrients** – in North America 85% from non-point sources
- Latin America and the Caribbean: **waste water** and **nutrients** are by far the major pollutants; in addition, heavy metals, pharmaceuticals and other chemicals
- Europe: **ground water pollution**



Chemicals:

- Persistent Organic Pollutants
- Organochlorines, pesticides
- Brominated flame retardants
- Pharmaceuticals
- Endocrine disruptors
- Microplastics
- Personal care products
- Nano-materials
- New chemicals



Waste:

- Africa: poor management **dumpsites, hazardous wastes, waste burning**
- West Asia, Asia Pacific: **rising waste generation** – 870 million tonnes municipal solid waste in 2014, 43% of world total
- Europe, Asia Pacific: new and complex waste streams – **food waste, e-waste, disaster waste**



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Thank you

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