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MEDITERRANEAN ACTION PLAN

Meeting of the Bureau of the Contracting Parties  
to the Convention for the protection of the  
Mediterranean Sea against pollution and  
its related protocols

Athens, 31 October 1988

PROGRESS REPORT ON THE ACTIVITIES CARRIED OUT SINCE THE  
FIFTH ORDINARY MEETING OF CONTRACTING PARTIES

(September 1987 - September 1988)

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## I Introduction

1. The present report describes activities that were undertaken since the Fifth Ordinary Meeting of the Contracting Parties (Athens, 7-11 September 1987). For ease of reference, it follows the structure of the Recommendations approved by the Contracting Parties in their report (UNEP/IG/74/5, Part II).
2. The period since September 1987 was marked by a severe financial crisis. The contributions remaining unpaid on 31 December 1987 were US\$ 2,204,298, the highest figure recorded since the establishment of the Mediterranean Trust Fund. The contributions paid during the first five months of 1988 were only US\$ 610,416 out of total pledged of US\$ 6,192,333. This was the lowest percentage recorded since the establishment of the Mediterranean Trust Fund. Several activities had to be postponed, vacant posts left unfilled, assistance to countries delayed.
3. This situation was the result of a combination of factors, including the extended procedure for the approval of the 1986-1987 contribution by the Italian Parliament and delays in the adoption of the EEC budget. Other major contributors delayed their payments as well. The crisis has demonstrated an inherent weakness of the financing system of the Action Plan. Whereas activities are continuous and established units and centres require a continuity of funding, the flow of resources is totally unpredictable and no pattern has emerged over the years to guarantee the timely availability of funds.
4. It is important to recall that the procedures of a United Nations Trust Fund, do not easily accommodate themselves to this stop-go situation. Each new amount received needs to be processed through a complex project revision procedure for each of the seven projects through which the activities approved under the Mediterranean Action Plan are carried out. UNEP can only authorize those activities to be started for which full funding is available in the MTF and only to the extent of such availability. No cash advances are possible from any sources and no borrowing is allowed on contributions pledged by Governments. Non-availability of funds automatically results in non-renewal of contracts and stoppage of activities.
5. The Bureau may wish to consider, perhaps through the establishment of small high-level Working Party, or Committee of Wise Men, to devise a solution to this inherent weakness in the MAP structure, ensuring that funds are available when required, i.e. not later than 30 April of each year and in the full amount pledged.

## II PROGRESS REPORT ON THE RECOMMENDATIONS APPROVED BY THE CONTRACTING PARTIES

### A Programme re-focussing

6. The Bureau of the Contracting Parties met in Athens on 18 February 1988 under the Chairmanship of H.E. Mr. Evangelos Kouloumbis. All members were present. The Bureau reviewed the progress of the Work Programme and the financial situation. It decided to provide directions to the meeting on 100 coastal historic sites (Marseille, 20-22 October 1988); declared the week from 4-10 July 1988 as the Mediterranean Environment week and considered ways

to strengthen the Action Plan and improve co-ordination with other relevant programmes. The Bureau, also, exchanged views on the composition of the Bureau and authorized the Secretariat to submit to the Expanded Meeting of the Bureau realistic proposals which should be in the form of principles.

7. The two Committees established by the Contracting Parties to replace the regular meetings of the Focal Points for MED POL, ROCC, BLUE PLAN, PAP and SPA met in Athens in 1988. The Scientific and Technical Committee met between 23 and 27 May 1988 and its report has been distributed (document UNEP(OCA)/MED WG.1/12). The Socio-Economic Committee met between 27 and 29 September 1988 and its report has been distributed (document UNEP(OCA)/MED WG.2/7).

8. During the meeting of the first Committee, doubts were expressed by some participants about the effectiveness of the new system. Some participants were not prepared to discuss in depth matters concerning components with which they had not been dealing directly. This difficulty could be resolved in future years by identifying clearly in the documentation the issues requiring decisions so that proper briefing may be obtained by participants from the relevant National Focal Point and National Co-ordinating Authorities.

#### Rhodes Pilot Project

9. In response to the request that the Contracting Parties identify pilot coastal areas, the Government of Greece has designated the island of Rhodes. A consultative meeting was held in Athens in March 1988 and a UNEP/MAP mission visited Rhodes in June 1988 and held extensive discussions with elected officials and technical personnel. A preliminary report covering all aspects for which MAP components have expertise to offer, was submitted to the Greek authorities in September 1988 outlining a further course of action. Other proposals received from Coastal States are currently under review.

#### B Programme Calendar 1986-1995

10. Any amendments to the approved programme calendar appear in the subsequent text under the relevant programme item.

#### C List of 100 coastal historic sites of common Mediterranean interest

11. Some additional designations have been received from Mediterranean Coastal States, in line with the decision that the list is open to Contracting Parties to add appropriate sites.

12. As announced during the Fifth Ordinary Meeting, the Government of France has generously invited responsible officials from the 100 sites to a meeting in Marseille, scheduled to be held in October 1988, however, due to some procedural matters, the meeting was postponed till January 1989.

#### D Implementation of the Barcelona Convention and its related protocols

13. Representatives of several Italian Ministries and oil industries carried out an exhaustive review of the draft Protocol on exploration and exploitation of the continental shelf and the seabed and its subsoil (Capri, April 1988). The Meeting recommended to the Italian authorities to support the approval of the new Protocol.

14. Written comments were due from all Contracting Parties by the end of September 1988. Only one reply was received as at August 1988. An update on the situation will be provided by the secretariat.
15. No Contracting Party has designated the authorities responsible for pollution monitoring. In most countries responsibility rests with a number of administrations. This makes the collection and comparability of data more difficult at the national and international level.
16. A consolidated annual report has been issued by France. It is a very valuable document that records the action taken, giving recognition to a number of national and local initiatives.
17. Three additional Contracting Parties ratified the Land-based Sources Protocol in 1987-1988: Cyprus, Greece and Morocco bringing the total of ratifications to twelve. The following signatories have not yet ratified: Israel, Lebanon, Libya and Malta. Syria and Yugoslavia have not signed nor ratified.
18. Five additional Contracting Parties ratified the Specially Protected Areas Protocol in 1987-1988: Cyprus, Greece, Israel, Malta and Spain bringing the total of ratifications to thirteen. The following signatories have not yet ratified: Monaco and Morocco. Lebanon, Libya and Syria have not signed nor ratified. The status of signatures and ratifications as of 30 September 1988 is contained in Annex I.
19. The following Coastal States have not ratified IMO's MARPOL 1973/78 Convention: Algeria, Cyprus, Libya, Malta, Monaco, Morocco, Syria and Turkey.
20. The Inter-Parliamentary Union at its 79th Conference held in Guatemala City in April 1987 adopted a resolution on "the promotion and development of environmental strategies at national and global levels for achieving sustainable development while enhancing the preservation of the world's natural and cultural heritage". The resolution recommended that the Inter-Parliamentary Council set up an ad hoc Committee to study environmental matters on a regular basis, to consider steps taken by Parliaments and Governments to encourage national and international efforts towards sustainable development and to report thereon to the Union.
21. The previous IPU Conference held in Nairobi in 1984 had recommended to revive the IPU Special Committee on Pollution of the Mediterranean Sea. The secretariat considers that a meeting of such a Committee in 1989 could make a significant contribution towards the objectives of the Action Plan.
22. In order for the Special Committee on pollution of the Mediterranean Sea to be convened again (the previous meetings took place in Rome 1984, Monaco 1975, Athens 1978, Nicosia 1980, Palma de Mallorca 1982) it would be necessary for the IPU Group in the Parliament of a Mediterranean Coastal State to take the initiative to host the next meeting.
23. The compilation of the Greek legislation relevant to the Barcelona Convention has been completed by a consultant. It lists over 200 legal texts and will be published in the MAP Technical Reports Series. It is expected that similar compilations will be carried out shortly in at least three other States in order to allow for a comparative analysis of the action taken at national level to carry out the obligations of the convention and related protocols.

24. The compilation of donor countries and organizations, recommended by the Contracting Parties, has been delayed until after the publication of the World Bank Report.
25. The costing of the objectives of the Genoa Declaration is underway by the EEC. It is expected to be completed shortly.
26. Italy has informed the secretariat that all its Embassies in Mediterranean Coastal States have been briefed on Italy's participation and role in the Mediterranean Action Plan. Other Contracting Parties that have done so may also wish to inform the secretariat.
27. It is proposed to prepare the first list of projects requiring additional support from multilateral and bilateral donor agencies in 1989.
28. No requests have been transmitted by MAP National Focal Points to the UNEP Clearing House in Nairobi for project identification or negotiation with aid sources.

#### The World Bank and the European Investment Bank

29. The secretariat has had close contacts with Bank missions engaged in the preparation of a report on the Mediterranean. The Co-ordinating Unit and each Regional Activity Centre have been repeatedly visited by Bank missions and have provided published information on their programmes. An official of ROCC has been authorized to join a Bank mission.
30. It is expected that upon the publication of the Bank's Report on the Mediterranean, it will be possible to identify areas of common interest and determine a procedure for regular consultation whereby the Banks' loans may take into account the work already done in MAP in order to support it.

#### E Blue Plan

31. The main Report of the Blue Plan has been completed, published in French, and presented to the Meeting of Socio-Economic Committee (Athens, 27-29 September 1988). The English version will be ready in November 1988. The executive summary prepared in English and French on the basis of the main report on the Blue Plan has also been presented to the Committee.
32. Work has progressed on the thematic reports. Their publication will be completed by mid-1989 according to a calendar presented to the Committee.
33. The Blue Plan annotated data base is being transferred to Athens. It is expected that it will be published in the MAP Technical Reports Series.
34. In view of the work required to complete publication of the main Report and Executive Summary, no assistance was provided to countries. Such assistance will be provided on request as part of the 1989 programme. Training of personnel in the preparation of national scenarios will similarly be provided as part of the 1989 programme. However, information was provided to countries by BP/RAC during 1988 through frequent consultation.

35. No action was taken to provide assistance to countries by developing methodologies for the implementation of the national and Mediterranean scenarios. It is envisaged that the training course on national scenarios will be held in the spring of 1989. The objectives would be to convene a short meeting of all nationals who are responsible for the national scenarios with a view to exchanging ideas and experience on national scenarios and on Mediterranean scenarios and the second part of the course will be devoted to a training on methodology of building scenarios.

36. The problem of updating the Blue Plan data base has not been fully considered. The Socio-Economic Committee is expected to address this issue.

37. The Steering Committee met regularly to review the work of the Blue Plan. As decided by the Contracting Parties its term expired with the first meeting of the Socio-Economic Committee.

38. The report of the Socio-Economic Committee contains recommendations for activities and their budgetary requirements related to Blue Plan for 1989, (UNEP(OCA)/MED WG.2/7).

F Priority Actions Programme (PAP)

39. Integrated Planning and Management of Mediterranean Coastal Zones

Refocussing of PAP Activities

The refocussing of PAP on integrated planning and management is based on: (a) PAP country pilot projects (CPP) as a specific form of direct and lasting cooperation with local and national experts and institutions in selected coastal areas, with the accent being placed on integrated planning and management, and with merging and interlinking of results and experiences achieved in other priority actions; (b) region-specific methodological documents and tools for integrated planning and management of coastal zones; and (c) practical training in the topics which are emphasized by the Genoa Declaration, and which supplement the activities under (a) and (b).

Following the preparatory activities completed in the course of 1987 PAP started out implementing the envisaged programmes in CPPs Syria (the coastal area), Turkey (the Bay of Izmir), and Yugoslavia (the Kastela Bay). The projects in Greece (Rhodos) and Cyprus (Paphos) are still in the preparatory stage.

a. The Syrian coast project.

The project envisages the preparation of a preliminary study for the integrated plan of the entire Syrian coast, and the formulation of recommendations for the recovery of the endangered coastal areas. It further envisages the preparation of a programme for the preliminary study, preparation of documents for the training of Syrian experts, organization of the training, and the participation of PAP consultants in various phases of the study preparation. The preliminary study programme has been completed, while the training documents are being prepared.

b. The Izmir Bay project

This project includes the elaboration by PAP consultants of an engineering approach to the treatment and disposal of municipal waste water; the preparation of EIA on stabilization ponds; and the cooperation with the Metropolitan Municipality of Izmir - Environment Department (training, setting up monitoring programme, consultations on selected topics) and Department of Urban Planning and Seismic Risk Mitigation (preparatory activities to lead to the preparation of the preliminary study for the area of Izmir). The following has been completed so far: 3 mission reports and a set of documents related to the problems of submarine-outfall discharges, recovery of the Izmir Bay, and assessment of the assimilative capacity of the Bay. EIA on stabilization ponds is under way. This project has included MEDPOL and a number of Turkish institutions which are carrying out a separate monitoring programme and an oceanographic study. All these activities are well harmonized and co-ordinated.

c. The Kastela Bay project

This PAP project is part of a comprehensive project entitled "Management of Natural Resources of the Kastela Bay" which has been financed by national and local funds. PAP contribution to this project envisages the determination of the assimilative capacity of the Bay, engineering and environmental support to the definition of a wastewater treatment system, design criteria for submarine outfalls, introduction of environmental criteria into the strategy of aquaculture development in the Bay, and recommendations for some urgent actions to reduce or eliminate pollution in the most polluted areas. The methodology for determining the assimilative capacity of the Bay has been set up and 3 documents for the aquaculture project have been produced. The Yugoslav institutions and experts have started simultaneously an additional monitoring programme.

d. Project on water resources management of the Island of Malta

The project is co-financed by EEC through the Maltese/EEC bilateral programme and it includes the following activities: collection of necessary data for and the preparation of a general (and later on, specific) model of the island aquifer; preparation of a climatic model; instructions for the aquifer management; instructions for land use and protection of the aquifer from pollution; preparation of a general model of water resources and management instructions. The contribution of PAP consists of a support to the preparation of the general aquifer model and organization of training, and of a professional cooperation with national institutions and experts in the formulation of the project, preparation of tenders, appraisal of bids, and consultations during the project. In 1988, PAP has taken part in the appraisal of bids and produced terms of reference for the preparation of the general model of the island aquifer.

e. The Rhodes project (MAP-level)

This project is meant to be a joint effort of all the components of MAP. PAP has commissioned an on-site report and participated in two preparatory meetings (Athens and Rhodes). Two PAP expert missions (on liquid waste management, and on historic settlements) have visited the island. In addition to two mission reports, PAP/RAC produced a proposal for PAP involvement in the project.



40. Mediterranean Co-operative projects on Regional Level

a. Seismic Risk Reduction in the Mediterranean Region.

After a series of postponements caused by organizational and other problems, this project was launched at the First Meeting of the Project Steering Committee (Genoa, 4-8 April 1988).

b. Inventory and Network of Erosion Measurements in the Mediterranean Region for an Environmentally Sound Land Management.

Two meetings with the representatives of Spanish institutions (ICONA and the Spanish authorities) have been organized, and the 1988-1989 programme has been defined. National reports on the state and problems of rainfall erosion have been commissioned and a programme determined for the Workshop to be held in Spain in November 1988.

c. Definition of Ecological Criteria for a Rational Development and Protection of Aquaculture in Mediterranean Coastal Zones.

Two meetings have been convened with the representatives of the Italian authorities to identify their interest in and possibilities for hosting this project. The Italian authorities appointed one expert to further elaborate the project proposal for which he has had consultations with PAP experts in Split.

41. Training

Training documents on the following topics are being prepared:

- management and maintenance of urban liquid waste treatment plants in the Mediterranean region (with CEFIGRE - France);
- practical application of renewable energy sources in the Mediterranean region (with CIEMAT and Plataforma Solar de Almeria - Spain);
- methodology of the preparation of preliminary studies for integrated plans (with Urbanisticki zavod Dalmacije - Yugoslavia).

All the three training courses will be organized in the second half of 1988.

42. Tools and methodological documents relative to integrated planning and management of Mediterranean coastal zones

In the frame of several priority actions, tools and methodological documents have been prepared or are under way. In addition to being used in the follow up of these actions, they will be used in country pilot projects and in the integrated planning and management process.

The following have been completed:

- Draft Code of Practice for Solid Waste Management;
- Draft Code of Practice for Liquid Waste Management;
- methodological documents relative to the architectural survey, the analysis of actual state, and the analysis of spatial development of historic buildings and sites;
- guidelines for the application of the integrated process of reconstruction and rehabilitation of historic sites in the Mediterranean region;

- Common Methodological Framework for Integrated planning and Management in the Region (draft);
- methodology and contents of preliminary studies for the preparation of integrated plans of coastal areas;
- a number of outputs produced in the frame of three PAP country pilot projects.

43. The catalytic function of PAP

Contacts with the potential host countries have continued with a view to defining the Programme and support in 1988 and 1989. These contacts have been particularly intensive with the Spanish authorities (renewable sources of energy, and cooperative project on rainfall erosion), the Italian authorities (cooperative project on aquaculture), and with the countries where pilot projects have been launched. It needs mentioning that for the pilot projects in Turkey and Yugoslavia considerable local resources have been secured. The participation of PAP in these projects is about 15 per cent of the funds.

44. Completed Activities and Outputs per Priority Action

a. Support to PAP

- three PAP Bulletins (No.4/87, No.1/88, No. 2/88) in English, French and Arabic (450 copies);
- publication of volumes No 13 and 15 of MAP Technical Report Series; three others are being prepared for printing;

b. Water resources development in Mediterranean islands and isolated coastal areas

- two meetings on the contents of documents relative to the project on water resources management in Mediterranean islands;
- terms of reference for mathematical modelling of aquifers in a Mediterranean island;
- preparatory activities for guidelines on the reuse of treated urban waste water for irrigation, and terms of reference for the guidelines (the planned expert meeting for the preparation of guidelines on water resources management had to be postponed due to lack of funds).

c. Integrated planning and management of Mediterranean coastal zones

- meeting with the Blue Plan on the incorporation of the BP results in integrated planning of Mediterranean coastal zones (7-8 January 1988);
- meeting with Syrian experts to draft the programme of the preliminary study for the preparation of integrated plan of the Syrian coastal region - CPP/1988-89/SY/1 (Split, 1-3 February 1988);
- meeting to review proposals for the contribution of PAP and MEDPOL in the rehabilitation programme of the Izmir Bay - CPP/1988-89/TR/EM.2 (Split, 30 March - 1 April 1988);
- launching of the Kastela Bay CPP - a series of meetings with Yugoslav authorities and signing of the Letter of Understanding (on 14 April 1988);
- meeting with the Greek national and local authorities - preparatory steps for the Rhodes CPP (Athens, 18 March 1988);

- ad hoc meeting for the preparation of draft Common Methodological Framework (Split, 15-16 April 1988);
- MAP-level mission to Rhodes (13-15 June 1988);
- documents produced in the framework of the Izmir CPP: (a) Fact-finding mission to assess the state of pollution of the Izmir Bay; (b) Environmental management and recovery of the Izmir Bay;
- expert meeting (Izmir, 29 June - 1 July 1988) to discuss and evaluate the draft Common Methodological Framework for Integrated Planning and Management of Mediterranean Coastal Zones, with the participation of experts from 13 countries and representatives of UNESCO, UNCHS and UNDRO - PAP-4/EM.5/1.

d. Rehabilitation and reconstruction of Mediterranean historic settlements

- meeting with MEDU and the Franch authorities and institutions to prepare a conference on 100 historic sites of a common Mediterranean interest (Marseille, 28-29 February 1988);
- Workshop (Genoa, 25-27 May 1988) on studying and presenting the spatial development of historic buildings and towns in the Mediterranean region - PAP-5/W.2/1;
- meeting on the preparation of PAP guidelines for rehabilitation and management of Mediterranean historic settlements (Split, 7-8 June 1988);
- draft guidelines (prepared);
- mission to Rhodos (13-15 June 1988) - report.

e. Land use planning in Mediterranean earthquake zones

- meeting organized in Split from 12 to 14 January to re-edit the project document proposal and to prepare the First Meeting of the Steering Committee (UNDRO, PAP/RAC, Project Manager);
- First Meeting of the Steering Committee (Genoa, 4-6 April 1988);
- meeting (Genoa, 22-23 May 1988) to discuss modes of carrying into effect the decisions of the Steering Committee (Project Manager, UNDRO, PAP/RAC).

f. Solid and liquid waste collection, treatment and disposal

- Meeting of experts on Draft Code of practice for liquid waste management (Split, 19-20 November 1987);
- Code of practice for solid waste management in the Mediterranean region - finalized and printed;
- Code of practice for liquid waste management in the Mediterranean region - finalized and printed;
- training documents for the course on management and maintenance of sewage treatment plants - in preparation, with CEFIGRE (France);
- meeting with CEFIGRE to discuss the preparation of training documents (3-6 June 1988, Sophia Antipolis);
- mission to Rhodos (13-15 June 1988);
- activities related to mathematical modelling and guidelines on submarine outfalls had to be postponed due to lack of funds.

g. Promotion of soil protection as an essential component of the environmental protection in Mediterranean coastal zones

- Letter of Understanding on the hosting of the project signed with the Spanish authorities;
- preparatory meeting to lead to the cooperative project, with the participation of the Spanish authorities and institutions, PAP/RAC, ACSAD and FAO (San Rafael, 14-16 March 1988);
- Reformulated version of the project proposal "Inventory and network of erosion measurement in the Mediterranean for an environmentally sound land management";
- meeting with ICONA, the Spanish host institution (Split, 22-23 June), to prepare a workshop in November and to define the 1989 programme;
- national reports on rainfall erosion from 11 countries - in preparation.

h. Development of Mediterranean tourism harmonized with the environment

- Seminar on the development of Mediterranean tourism harmonized with the environment (Split, 28-30 October 1987)
- expert meeting (Split, 22-23 February 1988) for the preparation of draft guidelines for an environmental approach to the planning and management of tourism development in Mediterranean coastal zones - PAP-9/EM.2/1;
- project outline for the preparation of guidelines for an environmental approach to the planning and management of tourism development in Mediterranean coastal zones (completed); terms of reference for the preparation of guidelines; documents for the guidelines commissioned from 6 consultants.

i. PAP/FAO co-operative project on environmentally sound management of Mediterranean Acquaculture

- meeting with the Italian authorities - proposal for hosting the project;
- meetings with a specialist engaged by the Italian authorities to re-edit the text of the project proposal;
- contacts with FAO with a view to harmonizing the project with FAO-MEDRAP.

j. Mediterranean network in renewable sources of energy

- preparation of documents for the training course;
- meeting with the Spanish authorities (CIEMAT) discussing the preparation of the training course (Split, 11-12 May 1988).

k. The role of Environmental Impact Assessment in the development of coastal Zones

- preparation of 3 EIA on selected projects;
- preparation of 2 site-specific EIAs (Cyprus);
- mission of experts to Cyprus (24-29 May 1988);
- expert mission relative to EIA on stabilization ponds (Izmir);
- preparative activities for MEDU-OCA/PAC-PAP/RAC evaluation meeting on EIA (Cyprus, October 1988).

45. The report of the First Meeting of the Socio-Economic Committee contains recommendations for activities related to the Priority Actions Programme and their budgetary requirements for the year 1989 (UNEP(OCA)/MED WG.2/7).

G Specially Protected Areas (SPA)

46. Within the framework of objective A: Improvement of the Data Bank:

- Data were continuously arriving at the Centre. In the absence of a full time documentalist since March 1987, only some of them have been included in the system. In December 1987, the Centre had in the data base descriptions or references for 100 existing protected areas, 240 signalisations of potential protected areas (reports, documents), 350 experts or contacts, 450 bibliographic references. In 1988 a consultant undertook the work of the documentalist for three months.
- The final version of the Directory will be published in December 1988. The French version will be realized in 1989.

47. Within the framework of objectives B and C: co-operation with countries on the application of the Guidelines and Assistance to countries:

- The Guidelines were approved during the Fifth Meeting of the Contracting Parties to the Barcelona Convention (Athens, 7-11 September 1987). 500 copies of this edition have been printed and their distribution has started. The case studies which were used for the preparation of the Guidelines will be published in the course of 1988;
- assistance to countries was carried out by the Centre's expert and with the support of experts (institutes or working groups). In 1987, an expert meeting took place in Cyprus on the selection of protected areas (30 September - 4 October 1987). A visit in Turkey, at the beginning of 1988, has allowed the starting of a programme on protected areas to be developed. Contacts on the same subject have been developed with Malta. In Tunisia, some specific programmes on the management of protected areas are under consideration. A visit to Israel (28 May - 3 June 1988) has allowed to review the activities in Israel for the conservation of marine and coastal areas. A synthesis on Mediterranean protected areas legislation was initiated in 1987. The first elements on submarine archeology have been collected;
- an expert meeting took place during June 1988 in Tunis for the selection of areas for the countries of the Mediterranean. Another one for southern Mediterranean countries took place in Tunis during September 1988. This activity is undertaken with the Commission of Ecology of IUCN;
- the preparation of guidelines for the environmental legislation is one of the objectives of the Centre for 1989. This is undertaken with the Environmental Law Centre in Bonn;
- a model of planning and management is under preparation for two protected areas in Tunisia. This model can be extended to other countries.

48. Within the framework of activity D - Training, Information and Evaluation:

- A technical guide for training on marine vegetation was prepared with the assistance of an expert group. Another one is almost completed on the creation and utilisation of data banks. Some data sheets for the observation and description of marine species are under preparation. Translation (English, French, Arabic) can allow the creation of a regional network of observation;
- some contacts have been made in order to promote training of personnel by and in the Mediterranean countries;
- the strengthening of activities aiming at protecting marine and coastal areas and species will be focused in 1988 on monk seal and in 1989 on marine turtles;
- a Consultative Meeting on the Conservation of the Mediterranean Monk Seal was convened in Athens on 11-12 January 1988 by UNEP and IUCN. The Meeting adopted an Action Plan for the management of the Mediterranean Monk Seal (Monachus monachus). The first meeting of the Scientific and Technical Committee, held in Athens 23-27 May 1988, reviewed the report of the Consultative Meeting and took note, with appreciation, of the Action Plan;
- a working group on marine flora begins a list of threatened species in the Mediterranean and tries to prepare some recommendations for protection. Preliminary contacts with centres can allow to develop in 1988/1989 a training programme for managers of protected areas;
- information and documents were received by the Centre on a regular basis and they were transmitted to countries and organizations upon request. The first issue of SPA-NEWS (Newsletter) in December 1987, and the second one on July 1988, have been used to disseminate information. The dissemination of information will be ameliorated in 1988 and 1989 by at least three new issues of SPA-NEWS;
- the preparation of a popular booklet on the Centre and the Mediterranean protected areas is continuing, for it is necessary to have all the available information and data from countries.

49. The first Meeting of the Scientific and Technical Committee (Athens, 23-27 May 1988) reviewed and took note of the Centre's activities during 1987-1988 and approved the budget for the Centre for the year 1989. The Meeting took note also of the progress achieved concerning the status of implementation by the Contracting Parties of the protocol on Specially Protected Areas (UNEP(OCA)/MED WG.1/12).

Co-ordinated Pollution Monitoring and Research  
Programme for the Mediterranean (MED POL)

H Monitoring

50. A progress report on the activities carried out during the period January 1987 - March 1988 was presented at the First Meeting of the Scientific and Technical Committee (Athens, 23-27 May 1988)-(UNEP(OCA)MED WG.1/12).

Since then, negotiations continued with MED POL National Co-ordinators to finalize National Monitoring Programmes. As a result, the 1988 programmes were finalized with Cyprus, Israel, Malta, Spain, Syria and Yugoslavia. National Co-ordinators were also contacted in June 1988 by WMO, who recalled the decisions of the Scientific and Technical Committee to initiate, whenever possible, the monitoring of the transport of pollution through the atmosphere in the framework of their National Monitoring Programmes.

Because of lack of funds, no assistance was provided to countries for the implementation of their monitoring programmes. However, information on their requirements including proforma invoices, were collected, as much as possible, in order to facilitate the purchase procedures once funds became available.

Work continued on the sampling and analyses for the determination of organophosphorus compounds, organotin compounds in marine matrices and persistent synthetic materials, as part of the approved pilot monitoring exercises. The exercises are scheduled to terminate at the end of 1988.

Training courses or fellowships were organized for seventeen scientists from eight countries, including a training cruise on board a Moroccan research vessel.

Extensive work was carried out in co-operation with ICSEM and IOC for the preparation of the IX ICSEM/IOC/UNEP Workshop on pollution of the Mediterranean (Athens, 17-21 October 1988).

Data received from the countries participating in the MED POL monitoring programme continued to be entered into the computer. As a result, approximately 10,000 data entries are at present in the data bank of the Unit.

The data quality assurance programme continued to be implemented in two countries and arrangements and new contacts were made in July by IAEA to improve the link with the laboratories participating in the intercalibration exercise for heavy metals and chlorinated hydrocarbons. In addition, a training course was held in Piran on the statistical treatment and implementation of marine community data (14-24 June 1988) and an intercalibration exercise on microbiological methodologies was held in Athens from 9 to 14 May 1988.

In connexion with the computerization and the utilization of monitoring data, a small meeting of experts was held in Monaco, 27-28 June 1988, to analyse the available data on heavy metals, halogenated hydrocarbons and petroleum hydrocarbons. Contacts were made with other organizations (Helsinki Commission, Oslo/Paris Commission, ICES) in order to exchange information on collection and presentation of data. As a result, a small consultation meeting took place in Athens on 6-8 June 1988, with participants from Mediterranean institutions and international organizations.

I Research

51. A progress report on the activities carried out during the period January 1987-March 1988 was presented at the First Meeting of the Scientific and Technical Committee (Athens, 23-27 May 1988) (doc. UNEP(OCA)/MED WG.1/12).

Since then, the research projects which had been selected for 1988 activities continued to be implemented by the national research laboratories under the technical supervision of the Co-operating Agencies. However, a number of projects could not be finalized because of lack of funds.

The meeting to discuss the reference methods on toxicity and review the progress of the work of the participants in activity 'G' is to take place on 10-14 October 1988 in Villefranche-sur-mer.

A consultation meeting on Mediterranean health-related environmental quality criteria, financed from WHO regular budget funds, was held in Bled, Yugoslavia, from 12 to 16 September 1988.

Preparations were made to hold in Zagreb ( 14-18 November 1988) the review meeting on activities relevant to oceanographic processes (activity 'F').

J Scientific and Technical Implementation of the LBS Protocol

52. Since the First Meeting of the Scientific and Technical Committee (Athens, 23-27 May 1988) work continued on the development of activities concerning the implementation of the LBS Protocol. The pilot study on efficiency of selected submarine outfalls is progressing and is expected to be completed by the end of 1988 as scheduled. The questionnaire forms for liquid domestic discharges and for mercury, cadmium, organochlorines and petroleum hydrocarbons as industrial pollutants was finalized after extensive revision. Work on a comprehensive survey of effluents requiring separate treatment was commenced. The revised version of the guidelines for authorizations for the discharge of liquid wastes into the Mediterranean Sea will now be completed by the end of 1988.

With regards to the pilot monitoring exercises, a small expert meeting was held in Monaco (18-20 April) to test and intercalibrate the methodology used in the determination of organotin compounds and a small expert meeting was held in Monaco (13-14 April) to test and intercalibrate the methodology used in the determination of organophosphorus compounds.

The list of carcinogenic and mutagenic marine pollutants to be included in the pilot monitoring project scheduled for 1989 was finalized, along with recommended analytical methods and potential participating institutes, by a small expert group which met in Athens from 23 to 25 June 1988.

K Environmental Quality Criteria

53. Since the First Meeting of the Scientific and Technical Committee (Athens, 23-27 May 1988) work continued on the development of pollutants assessment documents which include the relevant proposed measures (environmental quality criteria). In particular, work continued on the



preparation of the relevant assessment documents on persistent synthetic materials, organophosphorus compounds, organotin compounds, organohalogen compounds, used lubricating oils and cadmium with a view at submitting them at the next meeting of the Scientific and Technical Committee (1989).

L Institutional aspects

54. No developments are to be reported under this heading.

M Co-operation in cases of emergency (ROCC)

55. Studies and Surveys

ROCC publishes annually (in January) an updated list of oil pollution alerts and accidents in the Mediterranean Sea. During the period under review this list was updated and disseminated in January 1988.

56. Meetings, Seminars, Workshops, Study Tours, Training Courses, Fellowships

- MEDEXPOL '87 - An advanced training course on oil combating on shore for candidates who are already familiar with general oil pollution problems and who are in charge of the handling of on-shore operations in National Contingency Plans. This training course was held in Marseilles, France from 13 to 20 October 1987.
- MEDIPOL '88 - training course was held from 8 to 18 March 1988. Like previous MEDIPOLS, this was a general training course on marine pollution combating organized annually by ROCC at its premises in Malta. For the first time, the programme was extended to harmful substances other than oil. As in 1987, EEC contributed by supporting financially participants coming from EEC countries.
- A training course on prevention and control of accidental marine pollution (INFOPOL) took place in Paris, Brest and Marseille from 2 to 17 June 1988.
- The 4th National Training Course on Prevention and Response to Maritime Oil Pollution, held in Alexandria, Egypt, from 24 to 31 October 1987, was organized jointly by the Arab Maritime Transport Academy (AMTA), ROCC and the Association of African Maritime Training Institutes (AAMTI).

For the first time, the Commission of European Communities offered financial assistance for the organization of the course bearing the costs of lecturers and some participants from Mediterranean countries non-members of EEC. The course was attended by 38 participants amongst whom 28 were Egyptian.

Topics presented covered various aspects of marine pollution, ranging from sources, behaviour of spilled oil, contingency planning, response methods as well as legislation and international conventions.

- A Training Workshop on accidental marine pollution was held from 5 to 9 December 1987 at the premises of the Institut Supérieur Maritime of Bou-Ismaïl, Algeria. Organized by the Division of the Protection against Pollution and its Harmful Impact with ROCC's co-operation, the Workshop brought together about fifty Algerian participants from all the coastal "wilayas" coming from all the administrations or professions concerned with the setting up of the National Contingency Plan whose preparation is underway.

57. Status of Documents, Reports, Manuals, Guidelines

- ROCC INFO 20 and 21 were prepared and disseminated respectively in January 1988 and June 1988. The list of subscribers has now been computerized (as are all addresses used by ROCC - Focal Points, experts, companies offering services, etc.).
- Guidelines: ROCC's publication "Guide for Oil Pollution Combating in the Mediterranean" is continuously being updated. The third version was finalized and disseminated between December 1987 and January 1988.
- Data Bank: Creation of data bank of commercialized equipment and products specially designed for oil pollution combating is being carried out at ROCC. A catalogue of "Spill Response Equipment and Products" was disseminated.
- The Guidelines for Co-operation in Combating Marine Oil Pollution in the Mediterranean endorsed by the Fifth Ordinary Meeting of the Contracting Parties (Athens, September 1987) was widely distributed.

58. The technical expert of ROCC joined a World Bank mission on the Environmental Programme for the Mediterranean which visited Algeria, Turkey and Yugoslavia (May-June 1988). He prepared a report on the technical and operational aspects of control of pollution generated by maritime transport and related activities.

59. The first meeting of the Scientific and Technical Committee (Athens, May 1988) reviewed the progress report on the work of ROCC during 1987 and 1988 and the proposed activities and budgetary requirements for 1989 which were approved by the Committee. During this meeting, the Director of ROCC, Mr. M. Voirin, informed the participants that he expected to retire before the next meeting of the Committee. The Committee paid tribute to Mr. Voirin's professional and personal qualities which had been of great benefit to ROCC and to the Action Plan. The process of appointment of a replacement of Mr. Voirin is underway in close consultation between UNEP and IMO.

Floating Reception facilities

60. During the Fifth Meeting of the Contracting Parties several representatives reported steps taken in their countries to establish or improve port facilities for the disposal of oil wastes (UNEP/IG.74/5, paragraph 56). It is gratifying to report that the EEC positive response to the recommendations adopted by the Contracting Parties at their Fourth Ordinary Meeting, in Genoa, and the concrete support provided by the Yugoslav authorities has resulted in the first floating reception facility, the vessel ECOMAR for the Bay of Rijeka launched in March 1988. Negotiations are in progress for similar pilot facilities in other Mediterranean ports.

N Financial aspects

61. As already indicated in the introduction to the present report, during the first six months of 1988 the Action Plan has experienced its most severe financial crisis since the Trust Fund was established. Against 1988 pledges and arrears amounting to US\$ 6,192,333, US\$ 610,416 or 9.9 percent had been received by 31 May 1988 rising to US\$ 1,448,973 or 23.4 percent by 30 June 1988.

62. Annex II shows the status of payments, by country, as of 30 June 1988. It will be noted that four countries (Cyprus, Egypt, Monaco and Spain) were up-to-date with their payments. Annex III provides information on 1987 expenditures by budget chapter and 1988 commitments as of 30 June 1988, compared with the corresponding amounts approved by the Contracting Parties. Annex IV shows counterpart contributions pledged and paid by host countries.

O Training and exchange of information

63. Several activities falling in this category are reported under the MED POL, ROCC, BP, PAP and SPA components of the Action Plan.

P Public information

64. The first Mediterranean Environment Week has been celebrated in a number of Coastal States, in response to the decision of the Bureau designating the week of 4 to 10 July 1988 for this purpose. Initiatives have taken place in Cyprus, Greece, Israel, Italy, France, Libya, Malta, Monaco, Tunisia and Turkey. When detailed reports are received from these and any other Coastal States, written information will be provided to the Contracting Parties.

65. The MAP Exhibition was shown in Malta from 1 to 15 July 1988 at the initiative of the Maltese authorities on the occasion of the Mediterranean Environmental Week.

66. On 26 July 1988 the Co-ordinator attended a meeting with the press accredited to the United Nations in Geneva and answered questions concerning the Mediterranean Action Plan. Several major news agencies (Associated Press, Reuters, Agence France Presse, EFE (Spain), ANSA (Italy), DPA (FRG), Agence Télégraphique Suisse and several national newspapers covered the issue.

STATUS OF SIGNATURES AND RATIFICATIONS OF THE CONVENTION FOR THE PROTECTION OF THE MEDITERRANEAN SEA AGAINST POLLUTION AND ITS RELATED PROTOCOLS

Status as at 30 September 1988

	Convention (1)		Dumping (2)		Emergency (3)		Land-Based Sources (4)		Specially Protected Areas (5)	
	Signature	Ratification	Signature	Ratification	Signature	Ratification	Signature	Ratification	Signature	Ratification
Albania	--	--	--	--	--	--	--	--	--	--
Algeria	--	16 Feb 81/AC	--	16 Mar 81/AC	--	16 Mar 81/AC	--	2 May 83/AC	--	16 May 85/AC
Cyprus	16 Feb 76	19 Nov 79	16 Feb 76	19 Nov 79	16 Feb 76	19 Nov 79	17 May 80	28 June 88/AC	--	28 June 88/AC
Egypt	16 Feb 76	24 Aug 78/AP	16 Feb 76	24 Aug 78/AP	16 Feb 76	24 Aug 78/AP	--	18 May 83/AC	16 Feb 83	8 Jul 83
France	16 Feb 76	11 Mar 78/AP-R	16 Feb 76	11 Mar 78/AP-R	16 Feb 76	11 Mar 78/AP-R	17 May 80	13 Jul 82/AP-R	3 Apr 82	2 Sep 86/AP-R
Greece	16 Feb 76	3 Jan 79	11 Feb 77	3 Jan 79	16 Feb 76	3 Jan 79	17 May 80	26 Jan 87	3 Apr 82	26 Jan 87
Israel	16 Feb 76	3 Mar 78	16 Feb 76	1 Mar 84	16 Feb 76	3 Mar 78	17 May 80	--	3 Apr 82	28 Oct 87/R
Italy	16 Feb 76	3 Feb 79	16 Feb 76	3 Feb 79	16 Feb 76	3 Feb 79	17 May 80	4 Jul 85	3 Apr 82	4 Jul 85
Lebanon	16 Feb 76	8 Nov 77/AC	16 Feb 76	8 Nov 77/AC	16 Feb 76	8 Nov 77/AC	17 May 80	--	--	--
Libya	31 Jan 77	31 Jan 79	31 Jan 77	31 Jan 79	31 Jan 77	31 Jan 79	17 May 80	--	--	--
Malta	16 Feb 76	30 Dec 77	16 Feb 76	30 Dec 77	16 Feb 76	30 Dec 77	17 May 80	--	3 Apr 82	11 Jan 88
Monaco	16 Feb 76	20 Sep 77	16 Feb 76	20 Sep 77	16 Feb 76	20 Sep 77	17 May 80	12 Jan 83	3 Apr 82	--
Morocco	16 Feb 76	15 Jan 80	16 Feb 76	15 Jan 80	16 Feb 76	15 Jan 80	17 May 80	9 Feb 87	2 Apr 83	--
Spain	16 Feb 76	17 Dec 76	16 Feb 76	17 Dec 76	16 Feb 76	17 Dec 76	17 May 80	6 Jun 84	3 Apr 82	22 Dec 87
Syria	--	26 Dec 78/AC-R	--	26 Dec 78/AC	--	26 Dec 78/AC	--	--	--	--
Tunisia	25 May 76	30 Jul 77	25 May 76	30 Jul 77	25 May 76	30 Jul 77	17 May 80	29 Oct 81	3 Apr 82	26 May 83/R
Turkey	16 Feb 76	6 Apr 81	16 Feb 76	6 Apr 81	16 Feb 76	6 Apr 81	--	21 Feb 83/AC	--	6 Nov 86/AC-R
Yugoslavia	15 Sep 76	13 Jan 78	15 Sep 76	13 Jan 78	15 Sep 76	13 Jan 78	--	--	30 Mar 83	21 Feb 86
EEC	13 Sep 76	16 Mar 78/AP	13 Sep 76	16 Mar 78/AP	13 Sep 76	12 Aug 81/AP	17 May 80	7 Oct 83/AP	30 Mar 83	30 Jun 84/AP

1- Convention for the protection of the Mediterranean sea against pollution

Adopted (Barcelona):

Entry into force: 16 February 1976

12 February 1978

2- The Protocol for the prevention of pollution of the Mediterranean Sea by dumping from ships and aircraft

Adopted (Barcelona):

Entry into force: 16 February 1976

12 February 1978

3- The Protocol concerning co-operation in combating pollution of the Mediterranean Sea by oil and other harmful substances in cases of emergency

Adopted (Barcelona):

Entry into force: 16 February 1976

12 February 1978

4- The Protocol for the protection of the Mediterranean Sea against pollution from land-based sources

Adopted (Athens):

Entry into force: 17 May 1980

17 June 1983

5- The Protocol concerning Mediterranean Specially Protected Areas

Adopted (Geneva):

Entry into force: 3 April 1982

23 March 1986

Accession - AC

Approval - AP

Reservation - R

## ANNEX II

Mediterranean Trust Fund:  
Payments of contributions pledged for 1988 and previous years

Country	Unpaid pledges for 1987 and previous years as of 1.1.1988	Paid as of 30.6.1988	1988	Paid as of 30.6.1988
Algeria	-	-	28,613.98	-
Cyprus	-	-	4,719.83	4,719.83
Egypt	15,884	15,884	21,829.22	21,829.22
France	-	-	1,121,255.09	560,627.55
Greece	-	-	117,995.80	-
Israel	106,193	5,000	71,977.44	-
Italy	1,670,837	-	802,371.44	-
Lebanon	18,306	-	2,949.90	-
Libya	102,969	-	58,997.90	-
Malta	-	-	2,949.90	-
Monaco	2,387	2,387	3,244.88	3,224.88
Morocco	22,326	-	15,634.44	-
Spain	-	-	442,484.25	442,484.25
Syria	10,675	6,912	9,439.66	-
Tunisia	22,128	22,128	9,439.66	-
Turkey	132,494	128,332	117,995.80	-
Yugoslavia	100,099	95,228	117,995.80	-
Sub-total	2,204,298		2,949,895.00	
EEC	-	-	638,140.60	140,217.00
Host country (Greece)	-		400,000.00	
Total	2,204,298	275,871	4,038,035.60	1,173,102.73

## ANNEX III

Status of the 1987 and 1988 Budgets(in U.S. Dollars)

	Approved 1987	Expenditures 1987	Approved 1988	1988 Commit- ments(30.6.88)
<u>SECTION I</u>				
CHAPTER 1 - Co-ordination	764,997	816,333	795,300	632,700
CHAPTER 2 - Meetings	137,000	180,000	52,000	57,000
CHAPTER 3 - MED POL: Monitoring	997,500	1,040,823	1,457,000	1,122,500
CHAPTER 4 - MED POL: Research	332,500	309,905	330,000	182,000
CHAPTER 5 - Oil Combating Centre	412,500	448,955	424,000	283,000
CHAPTER 6 - Training and Exchange of Information	185,000	117,800	95,000	34,000
<u>SECTION II</u>				
CHAPTER 1 - Blue Plan	600,000	714,025	420,000	260,000
CHAPTER 2 - Priority Actions Programme	561,000	601,000	710,000	294,750
CHAPTER 3 - Specially Pro- tected Areas	195,000	309,127	245,000	169,250
GRAND TOTAL	4,185,497	4,537,968	4,528,300	3,035,200

ANNEX IVCounterpart Contributions to Regional Activity Centres(in U.S. Dollars)

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		1987		1988
		Pledged	Paid	Pledged
France	(for BP/RAC)	325,000	325,000	325,000
Malta	(for ROCC)	20,000	20,000	20,000
Tunisia	(for SPA/RAC)	50,000	50,000	50,000
Yugoslavia	(for PAP/RAC)	280,000	280,000	280,000

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