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MEDITERRANEAN ACTION PLAN

Joint Meeting of the Scientific and Technical
Committee and the Socio-Economic Committee

Athens, 3-7 May 1993

**RECOMMENDATIONS AND PROGRAMME BUDGET
FOR 1994-1995 BIENNIUM**

PROPOSAL BY THE SECRETARIAT

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I. PROPOSED RECOMMENDATIONS

A. IMPLEMENTATION OF THE BARCELONA CONVENTION

The following recommendations are submitted to the Contracting Parties for adoption:

1. PROGRAMME APPROVAL THROUGH DECISION-MAKING MEETINGS

1. To conduct their future Ordinary Meeting in plenary sessions.
2. To approve the programme budget for 1994 and 1995 as proposed in part II (page 16) of this document.

2. PROGRAMME CO-ORDINATION

1. To invite the Secretariat to strengthen co-operation with ^{international} financing institutions with a view to their participation in MAP activities, and particularly in the Sustainable Development programme.
2. To approve the Italian request that the Centro di Telerilevamento Mediterraneo (CTM) in Scanzano, Italy, to become a Regional Activity Centre for Remote Sensing in the Mediterranean region, under the umbrella of MAP, and which would be financed by the Italian Government.
3. To invite the Secretariat to continue and strengthen co-operation with NGOs for further co-ordination of their actions, particularly in the areas of public awareness, environmental information and Sustainable Development.
4. To authorize the Secretariat to intensify its contacts with the new Secretariat of the Convention for the Black Sea, located in Turkey, with a view to an appropriate co-operation between the two Secretariats.
5. To invite the Secretariat to cooperate with and to continue to provide technical support to sub-regional agreements.
6. To approve the programme budget for 1994 and 1995 as proposed in part II (page 17) of this document and respective personnel and operational costs (pages 25-27) covering activities 1 to 7.

3. SUSTAINABLE DEVELOPMENT

a) Agenda 21 for the Mediterranean/EC-MAP programme (Nicosia Charter)

1. To re-orient MAP towards sustainable development principally through its two programmes i.e., the Coastal Areas Management Programme (CAMP) and the follow-up mechanism of EC/MAP programme (Nicosia Charter).
2. To welcome the EC initiative in the field of Euro-Mediterranean Cooperation and to strengthen cooperation with EC towards the implementation of the overall objectives of the Nicosia Charter and the Cairo Declaration.

3. To co-operate with EC in the identification and implementation of specific activities towards the achievement of sustainable development in the Mediterranean Region.
4. To support the active participation of MAP Secretariat in the co-ordinating mechanism set up by the Cairo Meeting (28-30 April 1992).
5. To authorize the Co-ordinating Unit in Athens to have the overall responsibility for all MAP Sustainable Development projects, including CAMP.
6. To create a new budget line for Sustainable Development within the framework of the MAP programme and to open a new P-4 Professional post. The new professional staff member would be responsible for Sustainable Development projects including CAMP.
7. To invite the Secretariat to prepare a draft "Agenda 21 for the Mediterranean" to be reviewed by a meeting of Mediterranean experts to be convened during 1994, taking into consideration the results of the informal consultation meeting on "Agenda 21 for the Mediterranean" contained in document UNEP(OCA)/MED WG.63/4.
8. To consider the proposal by Malta concerning the United Nations Commission for Sustainable Development and related activities in the Mediterranean area.
9. To approve the programme budget for 1994 and 1995 as proposed in part II (page 18) of this document.

b) Coastal Areas Management Programme (CAMP)

1. To close the Kastela Bay, the Izmir Bay and the Syrian Coast CAMP projects in their present form by the end of 1993, and the Rhodes project by the end of 1994, and to cooperate with the host countries on a follow-up programme.
2. To continue work on the five on-going projects (Albania, Algeria, Egypt/Fuka-Matrouh, Tunisia/Sfax and Morocco).
3. To approve and start preparation for two more Coastal Areas Management Programme (Israel and Malta).
4. To approve and start preparation for a Coastal Area Management Programme for the Venice lagoon in Italy which would be totally financed by Italy.
5. To invite the national authorities concerned and the relevant bilateral and multilateral programmes to support the above coastal areas management programme as practical demonstration areas for sustainable development and for the protection of the Mediterranean.
6. To organize consultation meetings relevant to the coastal areas management programme for areas mentioned in paragraphs 2,3 and 4 above and take all appropriate measures for the implementation of such programme.
7. To approve the programme budget for 1994 and 1995 as proposed in part II (page 19) of this document.

4. LEGAL COMPONENT

1. To re-invite Syria and Lebanon to ratify the Land-Based Sources Protocol (LBS) and the Specially Protected Areas Protocol (SPA).
2. To invite the Contracting Parties, that have not done so yet, to ratify the International Convention for the Prevention of Pollution from Ships, 1973, and the related protocol 1978 (MARPOL 73/78).
3. To invite the Contracting Parties, that have not done so yet, to ratify the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal (1989).
4. To re-affirm the decision of the Contracting Parties to submit a consolidated annual report by 30 June of each year on measures adopted to implement the Convention and its related protocols (Article 20 of the Convention).
5. To establish an Ad-hoc legal Committee as an independent body of permanent nature with an objective of carrying out the comprehensive legal strategy of MAP, offering its expert and support services to each Contracting Party and to the organs of the Barcelona Convention on issues concerning the development and implementation of the Barcelona Convention systems integrating the sustainable development objective.
6. To convene during 1994 a second meeting of Mediterranean experts on the preparation of a protocol for the prevention of pollution of the Mediterranean Sea by transboundary movements of hazardous wastes and their disposal, with a view of convening a Conference of Plenipotentiaries during 1995 for the adoption of the Protocol.
7. To approve the programme budget for 1994 and 1995 as proposed in part II (page 20) of this document.

5. INFORMATION

To approve the programme of work and budget for 1994 and 1995 as proposed in part II (page 21) of this document.

B. IMPLEMENTATION OF THE LBS PROTOCOL AND DUMPING PROTOCOL

6. IMPLEMENTATION OF THE LBS PROTOCOL AND DUMPING PROTOCOL

1. Implementation of LBS Protocol
 - To ask the secretariat to make every effort to follow up the implementation by the Contracting Parties of the pollution control measures adopted and to report to the next Contracting Parties' meeting on actions taken by individual countries;
 - To continue to provide assistance to Contracting Parties for the implementation of the control measures adopted, as appropriate;
 - To urge Contracting Parties who have not completed the questionnaires for the survey of land-based sources of pollution to do so as soon as possible.

2. Pollution by carcinogenic, teratogenic and mutagenic substances

To adopt the following:

i) assessment of the situation regarding carcinogenic, teratogenic and mutagenic substances in the Mediterranean Sea

- A number of chemical substances known or suspected to have carcinogenic, mutagenic and/or teratogenic properties are discharged into the Mediterranean Sea through a variety of routes. These substances include metals (arsenic, nickel, cadmium and lead), Polycyclic aromatic hydrocarbons (mainly benz(a)anthracene and benzo(a)pyrene), and organochlorine compounds (mainly polychlorinated biphenyls).
- Information on the amounts of such compounds discharged into the Mediterranean Sea, as well as on levels in marine organisms, is relatively sparse, except in the case of metals such as cadmium and organochlorine compounds such as DDT and PCBs, which have been monitored in various sub-regions of the Mediterranean over a number of years, mainly on account of their bioaccumulation and toxicity to marine organisms and to man from the overall viewpoint, as distinct from purely genotoxic hazards. A pilot monitoring survey carried out in 1990/1991 provided more detailed information on levels of selected substances in marine organisms. This study, however, had to be restricted to a few coastal areas, and the results cannot be interpreted as providing any indication of the situation prevailing in the Mediterranean as a whole. However, mussels in certain regions showed high levels of PAHs, and this could be a matter for concern in such areas.
- Overall assessment of the situation with regard to the Mediterranean was made on the basis of current knowledge at global level, taking full account of the recent comprehensive review by the Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP) and, in the case of human health risks, the latest information available from the WHO International Agency for Research on Cancer (IARC).
- Assessment of specific risks to marine organisms is difficult in view of the uncertainties and incompleteness of the present tentative identification of carcinogens, mutagens and teratogens in the marine environment as a whole, as well as the changes in the biological properties of substances resulting from physical factors, microbiological transformations, chemical interactions and light-mediated transformations. Other problems include the difficulty of assessing dose-effect relationships and of extrapolating from experimental high doses to the low doses normally encountered in the environment, and the marked variations in susceptibility to harmful substances not only between different species, strains and individuals, but also within the same individual, depending on the particular stage of the life-cycle. In addition, the role of natural components of seawater as a confounding factor in the determination of certain adverse effects of specific pollutants is still largely unidentified.
- Insofar as risks to man through consumption of contaminated seafood is concerned, practically all the substances considered as priority pollutants from the carcinogenic, teratogenic and mutagenic viewpoints are known to occur widely in the environment as a whole, and guidelines regarding maximum allowable intakes have been established by various authoritative bodies. Provided the intake from seafood does not result in the levels prescribed in such guidelines being exceeded, there would appear to be little likelihood of adverse

effects such as cancer developing in communities dependent on marine products for their subsistence.

- In a number of Mediterranean countries, a number of substances are subject to legal restriction with respect to their discharge into the marine environment. Such restrictions are generally based on overall toxicity considerations, rather than on carcinogenic, teratogenic or mutagenic hazard implications.
 - In spite of the uncertainty of the situation, there could be risks to marine organisms where pollution by specific substances is high, and possibly, in the case of man, to high seafood consumers where excessive levels of substances such as PAHs have been recorded. The principle of precautionary approach could therefore be followed.
- ii) measures for control of pollution by carcinogenic, teratogenic and mutagenic substances

The Contracting Parties, taking into consideration the present state of uncertainty regarding risks to marine organisms and to human health from carcinogenic, teratogenic and mutagenic substances in the Mediterranean Sea as detailed in the relative assessment document, as well as the precautionary principle, agree:

- (a) to promote measures to reduce inputs into the marine environment and to facilitate the progressive elimination of substances having proven carcinogenic, teratogenic and/or mutagenic properties in or through the marine environment.

Such measures should include, *inter alia*, the acquisition of more data to fill the still unidentified gaps in knowledge regarding both the actual status of specific substances as carcinogens, teratogens or mutagens, and the fate of such substances in the marine environment as detailed in the assessment document.

- (b) to take the following immediate actions:
- (i) monitor the presence of appropriate substances in "hot-spot" areas and, if concentration levels so warrant, take the necessary measures to reduce pollution or to minimize human health hazards arising from consumption of contaminated seafood.
 - (ii) request the Secretariat to continue reviewing the international situation with regard to new developments in the field of carcinogenic, teratogenic and mutagenic marine pollutants, and to strengthen its liaison with the competent international bodies.
- (c) to report to the Secretariat on all measures taken in accordance with this decision.

3. Implementation of the Dumping Protocol

- To urge Contracting Parties to make any effort to send on a regular basis annual reports on dumping to the MED Unit.
4. To approve the programme budget for 1994-1995 as proposed in part II (page 22) of this document.

C. MONITORING OF MARINE POLLUTION IN THE MEDITERRANEAN

7. MONITORING OF MARINE POLLUTION IN THE MEDITERRANEAN

1. To approve the following recommendations concerning MED POL-PHASE II (1994-1995)

a) Monitoring and Supporting Activities

- 1 ✓ The monitoring objectives should be reviewed and modified to allow for improved utilisation of monitoring results in the management and decision making aspects of the sustainable development process;
- 2 ✓ integrated monitoring and research should include regular preparation of regional environmental assessments;
- see text = 3 for the Mediterranean, sub-regions must be identified, grouping several countries around a specific marine entity;
- 4 ✓ country profiles on status and trends of the quality of the marine environment should be regularly prepared and updated;
- 5 ✓ the basic importance of monitoring of sources of pollution should be reiterated because of its ability to help in focusing the monitoring activities;
- 6 - Data quality assurance activities must remain a priority task, with the aim of encouraging laboratories to consider it as important as the analysis itself;
- 7 ✓ - a biological effects monitoring programme should be prepared and implemented within the framework of MED POL;
- 8 - training of scientists and technicians from developing countries should continue as one of the main means of achieving the objectives of MED POL;
- 9 - every effort should be made towards the achievement of complete geographical coverage of the monitoring activities in the Mediterranean through the preparation of national Monitoring Programmes of MED POL and the provision of relevant pollution data;
- 10 - the monitoring of airborne pollution should be included whenever possible in the MED POL national monitoring programmes and the collection of emission inventory data, especially for heavy metals, should be initiated;
- 11 - the contribution to MAP of the World Bank in the field of MED POL data quality assurance activities, which will enable the Secretariat to expand the activities limited by the MAP budget, should be welcomed and encouraged;
- 12 - the World Bank should be urged through the Secretariat to continue in the future to support the MED POL activities for the overall benefit of the Barcelona Convention and the Mediterranean Action Plan.

b) Research

- up to fifty per cent of the budget earmarked for the research should be used for eutrophication and plankton blooms in the 1994-1995 biennium;

- all national and international research efforts leading to an improvement of the general knowledge of the marine environment must be strongly encouraged to allow optimisation of monitoring programme;
- c) Climatic Changes
 - The study of implications of climatic changes on coastal areas should continue in order to assess the environmental problems associated with the potential impact of expected climatic changes on marine environment and on adjacent coastal areas and assist governments in the identification and implementation of suitable policy options and response measures which may mitigate the negative consequences of the expected impacts;

2. Development of MED POL-Phase III (1996-2005)

- Keeping in mind that the overall long-term objective of MAP, in line of UNCED and Agenda 21, is expected to be re-oriented towards the achievement of sustainable development of marine and coastal resources in the Mediterranean region through effective integrated management that allows for increased economic growth while protecting marine and coastal environment and its resources, and
- taking into account that MED POL as the scientific and technical component of MAP, provides the scientific basis for decision making in the region in the process of achieving sustainable development,

the Meeting is asked to approve the development of MED POL-Phase III Programme (1996-2005) with the following overall objectives:

- (i) organization of a regionally co-ordinated marine pollution monitoring and research programme, concentrating on contaminants and pollutants affecting the quality of the marine and coastal environment, as well as human health in the Mediterranean and interpretation/assessment of the results of the programme as part of the scientific basis for decision making in the region;
- (ii) generation of information on the sources, levels, amounts, trends and effects of marine pollution, develop capabilities for assessing the present and future state of the marine environment within the Mediterranean region as an additional component of the scientific basis upon which the formulation of proposals for preventive and remedial actions can be based;
- (iii) formulation of proposals for technical, administrative and legal pollution control, abatement, and preventive measures and to assist the Governments in the region to implement the adopted measures and evaluate their effectiveness; and
- (iv) strengthening and when necessary, development of the capabilities of national institutions to carry out marine pollution monitoring and research, to enable relevant authorities to base decisions on good quality data.

In particular, the full implementation of the MED POL Programme will, inter alia, assist the Governments to:

- a) further reduce the pollution load reaching the marine environment from land-based sources;
 - b) safeguard public health by surveillance of the sanitary quality of bathing and shellfish-growing waters and by development of measures ensuring maintenance of adequate sanitary quality of these waters;
 - c) assess the damage of pollution on marine and coastal ecosystems with a view to their rehabilitation;
 - d) assess the effectiveness of measures taken to reduce pollution;
 - e) establish a set of scientifically based environmental quality criteria for the coastal environment of the Mediterranean region;
 - f) assess the present levels, trends and effects of eutrophication and plankton blooms and formulate proposals for prediction and reduction of such phenomena in the Mediterranean region;
 - g) assess airborne pollution levels and to develop predictive models which can provide basis for remedial actions;
 - h) enhance the understanding of processes influencing the distribution and dispersion of pollution, biogeochemical cycles of specific pollutants;
 - i) prepare periodically an assessment of the state of pollution of the Mediterranean Sea and assist Contracting Parties to prepare such assessments on a national level;
 - j) develop and implement their national monitoring programmes.
3. To approve the programme budget for 1994 and 1995 as proposed in part II (pages 23-24) of this document.

D. IMPLEMENTATION OF THE PROTOCOL ON EMERGENCY

8. PREVENTION AND COMBATING POLLUTION FROM SHIPS

- a) Protocol on emergencies (Preparedness, response and cooperation to accidental marine pollution)
 1. To adopt the Code of Practice for the use of dispersants for combating oil pollution at sea in the Mediterranean region as it has been approved by the Meeting of REMPEC Focal Points held in Malta, 22-26 September 1992 (REMPEC/WG.5/12) and which appears in document UNEP (OCA)/MED/WG.66/5.
 2. To establish a Mediterranean Task Force for assistance in combating accidental marine pollution which the Regional Marine Pollution Emergency Response Centre for the Mediterranean (REMPEC) will organize and activate within the limit of the budget allocated to it by the Meeting of Contracting Parties. The proposal for a Mediterranean Task Force for assistance in combating accidental marine pollution prepared by REMPEC and approved by the Meeting of REMPEC Focal Points held in Malta, 22- 26 September 1992 (REMPEC/WG.5/12) appears in document UNEP(OCA)/MED/WG.66/6.

3. To approve the Medium Term Programme for the period 1994-1997 of the activities of REMPEC concerning preparedness, response and cooperation to accidental marine pollution as proposed by the Meeting of REMPEC Focal Points held in Malta, 22-26 September 1992 (REMPEC/WG.5/12) and which appears in document UNEP(OCA)/MED/WG.66/7.
 4. To approve the programme budget for 1994 and 1995 as proposed in part II (pages 28-29) of this document and respective personnel and operational costs (page 31).
- b) Action Plan on Port Reception Facilities for the Mediterranean Region
1. To extend the mandate and functions of REMPEC to the promotion through regional cooperation of the implementation and the enforcement of the IMO Conventions for the prevention of the pollution of the marine environment by ships.
 2. The new functions of REMPEC and activities to be carried out have been defined within the "Action Plan concerning the provision of adequate port reception facilities within the Mediterranean Region" adopted by the Meeting of National Experts on the port reception facilities in the Mediterranean held in Cairo, 16-19 December 1991 - (REMPEC/WG.3/4).

These functions are:

- i. to provide the framework for consultation and co-operation among Mediterranean coastal States and the various organizations with regard to regional co-operation on port reception facilities;
 - ii. to serve as a focal point for the co-ordination of the Action Plan;
 - iii. to carry out all the tasks assigned to it by the Action Plan.
3. To approve the programme budget for 1994 and 1995 as proposed in part II (page 30) of this document and respective personnel and operational costs (page 31).

E. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES

9. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES

- a) Prospective analysis of the relationship between Environment and Development (Blue Plan)
 1. In the context of Sustainable Development and in conformity with Agenda 21 of Rio, to pursue, improve and extend the systemic and prospective studies on population/resources/environment/development interactions. Adapt and develop appropriate tools for the Mediterranean global and local situation and encourage national and local decision-makers to use them.
 2. To invite national and local authorities to study the futures of selected areas. Invite two countries to study together the futures of a border region.

3. To develop and identify the "Mediterranean environment Observatory" function, under the umbrella of the Mediterranean Action Plan Unit and in close cooperation with MAP Centres, together with the European Agency for Environment of the EEC, OECD and national and Mediterranean concerned agencies. Encourage national/local decision-makers to develop similar observatory functions in their country.
4. To develop appropriate research on variables, statistics, and indicators on status, trends and decision-making for the Mediterranean context. Extend outputs and methodologies to local decision-makers.
5. To develop a documentation function on information and research sources for development and environment decision-makers.
6. To develop, improve and organize training and working sessions (regional and local), on systemic/prospective methodologies and database/indicators as tools for decision-making.
7. To contribute actively to MAP/CAMPs systemic and prospective approach and promote an environment Observatory function where appropriate.
8. To communicate more extensively the BP/RAC activity results through fascicules series and through broadly dispatched studies and reports.
9. To strengthen BP/RAC training and communication capabilities.
10. To look for additional financial and manpower support for the extending of the Blue Plan for the host country and other local and regional sources.
11. To approve the programme budget for 1994 and 1995 as proposed in part II (pages 32-34) of this document and respective personnel and operational costs (page 38).

b) Coastal planning and management (Priority Actions Programme)

1. To instruct PAP/RAC to orient its training component to the organization of national training courses, while regional ones should be oriented at the establishment of a network of team leaders for national courses. National Focal Points for PAP are invited to select appropriate national team leaders for such courses.
2. To conclude the priority actions on Tourism, Energy and Historic Settlements as individual priority actions, and to merge them in the framework of the priority actions "Integrated Planning and Management of the Mediterranean Coastal Zones" using the experience gained from these priority actions in the CAMP projects.
3. To direct PAP/RAC to organize jointly with BP/RAC and under the supervision of the Co-ordinating Unit for MAP a harmonized and efficient collection of data and other preparatory activities for CAMP projects.
4. After the completion of the on-going cooperative project on soil erosion and the presentation of its results, further PAP involvement in this field should be concentrated within CAMP, while the follow-up of this project, as well as of the implementation of the project on environmental management of aquaculture, will be organized only if external funding is secured.

5. PAP/RAC should orient its EIA related activities towards the assistance and support to those Contracting Parties where the application of this tool is in an initial stage, while the activity on tourism should be focused on the application of the CCA.
6. PAP/RAC, in cooperation with interested NFPs for PAP, should continue making efforts to enlarge the network of consultants, aiming at an even geographical distribution of involved consultants and institutions. NFPs for PAP are invited to facilitate the conclusion of subcontracts with relevant national agencies and institutions, helping to achieve, wherever appropriate and possible, non-commercial or "soft conditions", with possible support from sources other than MTF.
7. To approve the programme budget for 1994 and 1995 as proposed in part II (pages 35-37) of this document and respective personnel and operational costs (page 39).

F. IMPLEMENTATION OF THE PROTOCOL ON SPECIALLY PROTECTED AREAS AND HISTORIC SITES

10. PROTECTION OF THE COMMON MEDITERRANEAN HERITAGE

a) Specially Protected Areas

1. To invite the Contracting Parties to provide additional assistance to SPA/RAC on a bilateral bases, particularly to realize joint activities between Northern and Southern Mediterranean countries.
2. To invite SPA/RAC to reinforce the collaboration with other conventions and regional international institutions in the implementation of the Protocol concerning Specially Protected Areas and the existing action plans on marine turtles, monk seals and cetaceans.
3. To invite the Contracting Parties to develop all appropriate actions within the framework of SPA/RAC for the conservation of biodiversity of Mediterranean marine and coastal areas, conforming with the Protocol concerning Specially Protected Areas, the World Convention on Biodiversity and Agenda 21 (UNCED, 1992);
4. To invite the Contracting Parties to support activities and programmes of research and training dealing with the protection of endangered species (marine turtles, monk seal, cetaceans, marine vegetation).
5. Take note, with satisfaction, the creation of the first Mediterranean sanctuary for marine mammals in the Ligurian-Corsican-Provençal Basin.
6. To evaluate the status of species of the Mediterranean and to compile them in a directory of the threatened species for which protection measures are necessary, and to create a network in order to improve the collaboration in the Mediterranean region in the field of the conservation of species.
7. To invite SPA/RAC to create a monitoring network for marine vegetation in the Mediterranean.
8. To organise a meeting of experts in order to evaluate the implementation of the action plan for the management of the Mediterranean Monk Seal and the launching of a captive breeding programme.

9. To promote activities related to the identification, establishment and management of SPA in the Mediterranean, conforming with the Protocol concerning Specially Protected Areas and the "Genoa Declaration".
10. To invite SPA/RAC to proceed with the preparation of the directory on marine and coastal protected areas in the Mediterranean region, part II: sites of scientific, historical, archaeological, cultural and educational interest.
11. To reinforce the exchange of information and data between SPA/RAC and the Contracting Parties.
12. To invite SPA/RAC to continue its assistance to countries in setting their legislation dealing with SPA and species conservation.
13. To approve the programme budget for 1994 and 1995 as proposed in part II (pages 40-41) of this document and respective personnel and operational costs (page 43).

b) Preservation of Historic Sites

1. To assist countries in their endeavours to protect and safeguard historic sites and historic settlements including the preparation of preventive measures.
2. To organize the first meeting of the National focal Points for the 100 historic sites during 1994.
3. To organize workshops and training courses on the management tools and methods to be applicable to historic sites and settlements, including stone degradation and underwater historic and archaeological sites
4. To approve the programme budget for 1994 and 1995 as proposed in part II (page 42) of this document.

II. PROPOSED PROGRAMME BUDGET FOR 1994 - 1995

SUMMARY

COMPONENT	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
A. IMPLEMENTATION OF THE BARCELONA CONVENTION	2389	2698
B. IMPLEMENTATION OF THE LBS AND DUMPING PROTOCOLS	247	253
C. MONITORING OF MARINE POLLUTION IN THE MEDITERRANEAN	1670	1665
D. IMPLEMENTATION OF THE EMERGENCY PROTOCOL	897	936
E. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES	1075	1160
F. IMPLEMENTATION OF THE PROTOCOL ON SPECIALLY PROTECTED AREAS AND HISTORIC SITES	524	439
G. PROGRAMME SUPPORT COSTS	826	871
GRAND TOTAL	7628	8022

DETAILED SUMMARY

COMPONENT	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
A. IMPLEMENTATION OF THE BARCELONA CONVENTION		
1. Programme approval through decision-making meetings	30	328
2. Programme co-ordination	82	82
3. Sustainable Development		
a) Agenda 21 for the Mediterranean/EC-MAP programme (Nicosia Charter)	100	60
b) Coastal Areas Management Programme (CAMP)	662	672
4. Legal component	85	115
5. Information	179	185
B. IMPLEMENTATION OF THE LBS AND DUMPING PROTOCOLS		
6. Implementation of the LBS and Dumping Protocols	247	253
C. MONITORING OF MARINE POLLUTION IN THE MEDITERRANEAN		
7. Monitoring of Marine Pollution in the Mediterranean - UNEP Counterpart	1155 50	1150 50
Personnel and operational costs covering activities 1 to 7.		
- Co-ordinating Unit Athens	851	856
- Expenditures to be covered by Greek counterpart contribution to the MAP programme	400	400
- MED POL co-operating Agencies	465	465
D. IMPLEMENTATION OF THE PROTOCOL ON EMERGENCY		
8. Prevention and combating pollution from ships		
a) Protocol on Emergencies	252	204
b) Action Plan on Port Reception Facilities for the Mediterranean Region	129	194
Personnel and operational costs:		
- Regional Marine Pollution Emergency Response Centre for the Mediterranean (REMPEC)	516	538
E. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES		
9. Environmentally sound management of the Mediterranean Coastal Zones		
a) Prospective analysis of the relationship between Environment and Development (BP/RAC) - Blue Plan Observatory	140 55	170 60
b) Coastal planning and management (PAP/RAC)	260	300

COMPONENT	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
Personnel and operational costs:		
- Blue Plan/Regional Activity Centre (BP/RAC)	350	360
Personnel and operational costs:		
- Priority Actions Programme (PAP/RAC)	270	270
F. IMPLEMENTATION OF THE PROTOCOL ON SPECIALLY PROTECTED AREAS AND HISTORIC SITES		
10. Protection of the common Mediterranean heritage		
a) Specially Protected Areas (SPA/RAC)	160	130
b) Preservation of Historic Sites (100 Historic Sites)	130	75
Personnel and operational costs:		
- Specially Protected Areas Regional Activity Centre (SPA/RAC)	234	234
G. PROGRAMME SUPPORT COSTS*	826	871
GRAND TOTAL	7628	8022

* Programme support costs of 13% apply to MTF expenditures of 6,352,000 \$ for 1994, and 6,701,000 US \$ for 1995.

PROGRAMME BUDGET

A. IMPLEMENTATION OF THE BARCELONA CONVENTION

1. PROGRAMME APPROVAL THROUGH DECISION-MAKING MEETINGS

Objective

To prepare the work-programme and budget for the Mediterranean Action Plan for review by the meetings of the Bureau and of the subsidiary committees and to be reviewed and approved by the ordinary meetings of the Contracting Parties.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Meetings of the Bureau (two per year) to review the progress of the Action Plan, advise the secretariat on matters arisen since the meeting of Contracting Parties, and decide on programme/budget adjustments	30	30
- Joint Meeting of the Scientific and Technical Committee and of the Socio-Economic Committee to consider the progress of the Action Plan and review technical matters and approve the programme and budget for MAP prior to submission to the Contracting Parties	-	98
- Ninth Ordinary Meeting of the Contracting Parties in 1995 to review and approve the programme and the budget for MAP; review the progress of the Action Plan; consider reports on the state of pollution of the Mediterranean Sea and adopt recommendations concerning common measures for its protection	-	200

TOTAL	1992	1993	1994	1995
MTF	26	320	30	328

2. PROGRAMME CO-ORDINATION

Objective

To co-ordinate MAP activities with participating UN Agencies, governmental and non-governmental organizations; to co-ordinate activities of the Regional Activity Centres and to manage the Mediterranean Trust Fund.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Consultants to facilitate co-operation with: (i) intergovernmental organizations and sub-regional agreements; (ii) the World Bank, the European Investment Bank and other sources of financing; (iii) non-governmental organizations, Mediterranean Universities and youth organizations	20	20
- Inter-Agency Advisory Committee (IAAC) meeting to co-ordinate activities on MED POL with UN Agencies	(1)	(1)
- Meeting with Regional Activity Centres' Directors for programming and co-ordination of MAP activities	6 ⁽²⁾	6 ⁽²⁾
- Training of national officials at MED Unit on MAP programmes and procedures (direct support to countries)	16	16
- Support to training courses relevant to MAP, direct support to countries (Sub-Contracts)	40	40

TOTAL	1992	1993	1994	1995
MTF	54	54	82*	82*

(1) Travel cost included in MED POL Co-operating Agencies.

(2) Represents cost of interpretation and translation in line with Bureau decision. Travel cost included under the relevant Regional Activity Centres.

* An additional 60 thousand U.S. dollars are budgeted annually for co-ordination and development of the coastal areas management programme.

3. SUSTAINABLE DEVELOPMENT

a) Agenda 21 for the Mediterranean/EC-MAP programme (Nicosia Charter)

Objective

In conformity with the resolutions of the United Nations, as well as UNCED, and in line with the decisions of the Bureau of the Contracting Parties to reorient all MAP activities towards Sustainable Development, it is envisaged that the 1994-1995 biennium will launch a real Mediterranean Sustainable Development Programme.

Activities	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
<i>Government-designated experts</i> - Consultants to assist in preparation of an Agenda 21 for the Mediterranean region	20 15	10
- Meeting of Experts to review a draft Agenda 21 for the Mediterranean region	40 *	*
- Assistance to countries in their efforts to prepare national Agenda 21 (Sub-Contracts)	40 20	50 30

TOTAL	1992	1993	1994	1995
MTF			100	60

* A Working Group of Experts will also be held in 1995 with outside funding.

Meetings of a Working Group of Experts will also be held in 1994 and 1995 with outside funding, subject to funds being available.

b) Coastal Areas Management Programme (CAMP)

Objective

To integrate environmental development/and resource management policies in coastal zones proposed and accepted by Contracting Parties. Such integrated management programme will include, as appropriate, findings and knowhow of all components of MAP such as development of coastal zones including prospective analysis and development scenarios, particular PAP actions, monitoring, implementation of common measures adopted by Contracting Parties, implementation of Barcelona Convention and related protocols, contingency plans, specially protected areas and historic sites.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Experts, consultants to assist in preparation and implementation of documents and activities resulting in the implementation of coastal areas management programme and preparatory activities for follow-up	206	206
- Assistance to institutions participating in coastal areas management programme approved by the Contracting Parties (Sub-contracts)	300	300
- Study of the impact of climate change on Mediterranean coastal zone (Sub-contracts)	35 50 30 Soil erosion 25	78 40 30
- Consultation meetings relevant to each coastal area	96	96

TOTAL	1992	1993	1994	1995
MTF	515	535	662	672

Note: The above funds are broken down as follows:

PAP (266 annually); MED POL (for Monitoring 78 annually; for climatic changes 60 for 1994, 70 for 1995); Scenarios-BP/RAC (76 annually); REMPEC 44 annually; SPA (39 annually); Data (39 annually); and the Co-ordinating Unit (60 annually).

It is expected that the host countries of the programme will contribute matching funds for the implementation of the programme.

The EIB is providing a total of 360,000 ECU for the CAMP project in Rhodes for the 1993 - 1994 biennium.

4. LEGAL COMPONENT

Objective

To develop additional protocols, to promote sub-regional agreements, to formulate and adopt appropriate procedures for determination of liability and compensation for damage resulting from the pollution of the marine environment, and to promote the adoption of relevant national legislation.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Second Meeting of Experts on the preparation of the draft Protocol on transboundary movements of hazardous wastes	50	-
- Legal Advisor, assistance to more Contracting Parties to compile their national legislation related to the protection of the marine coastal environment (Consultants)	15	15
- Prepare a draft of appropriate procedure for the determination of liability and compensation for damages from the pollution of the marine environment in conformity with Article 12 of the Barcelona Convention taking account of the work of other bodies on the subject (Sub-contracts)	20	20
- Conference of Plenipotentiaries, to be convened during 1995, on the Protocol on Hazardous Wastes.	-	80*

TOTAL	1992	1993	1994	1995
MTF	210	30	85	115

* An additional \$100,000 will be required from outside funding.

public

5. INFORMATION

Objective

To communicate environmental information to governments in order to influence response and follow-up action; to develop greater public awareness and create attitudes that will support policies and action for sustainable development and environmental protection.

Activities	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Preparation, editing and translation of MAP reports (Consultants)	23	23
- Printing and dissemination of MAP reports	25	25
- Preparation and translation of MEDWAVES (Arabic, English and French) (Consultants)	19	19
- Printing and dissemination of MEDWAVES (Sub-Contracts)	32	32
- Information :Exchange of information, dissemination of information, public relations, Librarian) (Consultants)	15	15
- Support for the celebration of the Mediterranean Environment Week, MAP Exhibitions, and public awareness programmes; Celebration of the 20 th Anniversary of MAP	31	31
- Printing of MAP brochures (Arabic, English and French), posters, stickers, press releases and other documents	35	40

TOTAL	1992	1993	1994	1995
MTF	151	132	179	185

B. IMPLEMENTATION OF THE LBS PROTOCOL AND DUMPING PROTOCOL

6. IMPLEMENTATION OF THE LBS PROTOCOL AND DUMPING PROTOCOL

Objective

To prepare assessments of the state of pollution of the Mediterranean Sea by Annex I and II substances, to prepare proposed common measures for such substances and to assist countries in the implementation of such measures. To develop guidelines, and as appropriate, standards or criteria for the progressive implementation of the Protocol, and to assist countries in such implementation. To provide information which will be used in the management process of the sustainable development.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
<u>Assistance</u>		
- Assistance to countries to implement the LBS Protocol	40	40
<u>Assessment of the pollution</u>		
- To prepare documents on assessment of Mediterranean pollution by LBS substances (Consultants)	22	26
- Report on the State of the Mediterranean Marine Environment	20 27	-
- Assessment of the state of pollution of the Mediterranean Sea by substances affecting taste and/or smell	-	7
- Preparation of guidelines for air pollution monitoring	5	-
<u>Research</u>		
- Assistance to institutions participating in research programmes, through provision of research grants (about 40 grants to about 90 institutions) (Sub-contracts)	130	130
<u>Meetings and Training³⁰</u>		
- Evaluation of the LBS Survey (WHO/UNEP) (about 15 participants)	-	25
- Training course (IOC/WHO/BMTC) on identification and quantification of algal toxins (about 15 participants)*	15	-
- Training workshop (IAEA) on advanced techniques for measurements of chemical parameters of eutrophication (about 10 participants)	15	-
- Training and intercalibration exercise (WMO/UNEP) on airborne pollution monitoring (about 15 participants)	-	25

TOTAL	1992	1993	1994	1995
MTF	248	427	247	253

* Additional funds of US \$ 20,000 will be provided by BMTC (Bremen Maritime Training Centre).

C. MONITORING OF MARINE POLLUTION IN THE MEDITERRANEAN

7. Monitoring of Marine Pollution in the Mediterranean

Objective

To achieve a comprehensive and co-ordinated marine pollution monitoring programme including all Mediterranean countries, covering pollution sources, coastal and reference areas and airborne pollution and to achieve a high quality of monitoring data which could be used in the management process of the sustainable development.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
<u>Monitoring</u>		
- Assistance to institutions participating in monitoring programmes, through provision of instruments and supplies (about 80 institutions) (Sub-contracts)	450*	500*
- Assistance to institutions for biological effects monitoring (pilot phase) (Sub-contracts)	80	120
- Preparation of country profiles on status and trends of the quality of the marine environment	15 + 5?	20 + 5?
- Maintenance of instruments provided to institutions participating in MED POL (spare parts) (about 40 institutions) (Sub-contracts)	40	40
- Consultants to analyze and evaluate MED POL data	30	30
<u>Training and fellowships</u>		
- On-job training of participants in MED POL monitoring programme (about 40 participants)	60	60
- Fellowships to participants in MED POL research and monitoring programme in order to present MED POL data at meetings	50	40
<u>Data quality assurance</u>		
- Assistance to institutions participating in monitoring programmes in order to assure reliable and high quality data, through country data quality assurance programmes, joint monitoring exercises, intercomparison of results and dissemination of scientific information (about 20 institutions) (Sub-contracts)	70	80
- Development and updating of microbiological reference methods	5	10
- Assistance to institutions participating in monitoring programmes through purchase and provision of standards and reference materials (about 40 institutions) (Sub-contracts)	25	35

* An additional 78 thousand U.S. dollars are budgeted annually for monitoring activities of the coastal areas management programme.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Intercalibration programme for institutions participating in MED POL (about 40 institutions)(Sub-contracts)	20	30
<u>Meetings and training courses</u>		
- Meeting of National Co-ordinators of MED POL	40	-
- National training workshops (FAO/IAEA/UNEP) on monitoring of chemical contaminants using marine organisms (3 courses with 20-25 participants each)	40	-
- Regional training workshop (FAO/IAEA/UNEP) on monitoring of chemical contaminants using marine organisms (6 lecturers, about 25 participants)	-	40
- Training workshop (WHO/UNEP) on organisation of microbiological courses (10-15 participants)	25	-
- National training course (WHO/UNEP) on determination of microbiological pollution (3 courses with 10-15 participants each)	-	25
- Consultation meeting (WHO/UNEP) on microbiological monitoring of recreational and shellfish growing water (15-20 participants)	25	-
- Consultation meeting (IOC/UNEP) on hydrodynamic modelling (about 12 participants)	20	-
- Workshop (IAEA/IOC/UNEP) on determination of Polyaromatic hydrocarbons (PAHs) in sediments and organisms (about 15 participants)	25	-
- Meeting of experts (WMO/UNEP) on airborne pollution (about 20 participants)	25	-
- Consultation meeting on MED POL data processing programme and guidance for future work (about 8 participants)	-	20
- Consultation meeting on the evaluation of monitoring programmes (about 8 participants)	20	-
<u>Research</u>		
- Assistance to institutions participating in research programme, through provision of research grants (about 30 grants to about 25 institutions) (Sub-contracts)	90	100

TOTAL	1992	1993	1994	1995
MTF	1113	1182	1155	1150
UNEP	50	50	50	50

Personnel and operational costs covering activities 1 to 7

CO-ORDINATING UNIT, Athens, Greece	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Professional Staff			
- Co-ordinator - D.2	12	110	110
- Principal Officer/Senior Marine Scientist - D.1	12	98	98
- Senior Programme Officer/ Economist - P.5	12	92	92
- First Officer/ Marine Scientist - P.4	12	70	70
- Computer Operations Officer - P.4	12	70	70
- Sustainable Development Officer - P.4	12	70	70
- Fund Management/Admin. Officer - P.3	12	(1)	(1)
Total Professional Staff		510	510
Administrative Support			
- Administrative Assistant - G.6/G.7		(1)	(1)
- Senior Secretary - G.4		(1)	(1)
- Data Processing Assistant - G.4/G.5		(1)	(1)
- Senior Administrative Clerk - G.5		(1)	(1)
Total Administrative Support		-	-
Travel on Official Business		100	100
Office Costs		241	246

TOTAL	1992	1993	1994	1995
MTF	459	549	851	856

(1) Paid under Programme Support Costs.

Expenditures to be covered by Greek Counterpart contribution to the MAP Programme

	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Administrative Support			
- Information Assistant - G.7	12	28	28
- Personal Assistant - G.6	12	27	27
- Senior Secretary - G.5	12	24	24
- Research Assistant - G.5	12	24	24
- Bilingual Typist - G.4	12	23	23
- Bilingual Typist - G.4	12	23	23
- Bilingual Typist - G.4	12	23	23
- Telecommunication Clerk - G.3	12	22	22
- Clerk/Driver - G.3	12	21	21
- Clerk - G.2	12	18	18
- Driver/Clerk - G.2	12	19	19
- Temporary Assistance		20	20
- Overtime		10	10
Total Administrative support		282	282
Office costs			
- Expendable Equipment		-	-
- Rental		100	105
- Maintenance of premises		18	13
- Sundry: telephone, telefax, telex and postage		-	-
Total Office costs		118	118

TOTAL	1992	1993	1994	1995
GR.COUNTER	400	400	400	400

* In the case of a change of the location of premises, the adjustment of the budget, due to the change in cost, to be approved by the Bureau.

MED POL CO-OPERATING AGENCIES	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Professional Staff			
- WHO Senior Scientist - MAP Co-ordinating Unit (Athens) - P.5	12	94	94
- FAO Senior Fishery Officer - MAP Co-ordinating Unit (Athens) - P.5	12	94	94
- IAEA Maintenance Engineer (MEL) (Monaco) - P.3	10	80	80
Total Professional Staff		268	268
Administrative Support			
- WHO Secretary - WHO/EURO (Copenhagen)- G.4		16	16
- WHO Secretary - MAP Co-ordinating Unit (Athens) - G.5	12	25	25
- FAO Secretary - MAP Co-ordinating Unit (Athens) - G.4	12	25	25
- IAEA Laboratory Assistant - MEL (Monaco) - G.6	7.5	40	40
- WMO Temporary Assistance - WMO/HQ (Geneva)		10	10
- IOC Temporary Assistance - IOC/HQ (Paris)		10	10
Total Administrative Support		126	126
Travel on Official Business			
- WHO (Athens)		16	16
- FAO (Athens)		16	16
- WMO (Geneva)		10	10
- IAEA (Monaco)		20	20
- IOC of UNESCO (Paris)		9	9
Total Travel		71	71
Office Costs			
Office costs incurred by FAO and WHO staff stationed in Co-ordinating Unit in Athens are covered by MED Unit office costs. Office costs incurred by all Agencies at their own Headquarters or Regional Offices are covered by the respective agencies as part of their counterpart contributions.			

TOTAL	1992	1993	1994	1995
MTF	410	410	465	465

D. IMPLEMENTATION OF THE PROTOCOL ON EMERGENCY

8. PREVENTION AND COMBATING POLLUTION FROM SHIPS

a) Protocol on emergencies

Objective

To strengthen the capacities of the coastal states in the Mediterranean and to facilitate co-operation among them in order to intervene in case of emergencies and accidents causing or likely to cause pollution of the sea by oil and other harmful substances especially in case of emergency in which there is grave and imminent danger to the marine environment or when it can affect human lives.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Assistance to countries in developing their national system for preparedness and response (Consultants)	8	8
- Assistance to countries in the preparation of projects for the acquisition of response equipment which would be presented to possible sources of international financing (Consultants)	8	8
- Assistance to countries in the preparation and the development of bilateral and multilateral operational agreements amongst neighbouring coastal States	8	8
- Assistance to REMPEC in adapting predicting models and decision support system to the region (Consultants)	6	6
- Preparation of a regional atlas for accidental marine pollution, preparedness and response (Sub-contracts)	8	15
- Meeting of REMPEC focal points for the evaluation of the implementation of the programme of activities	55	-
- Regional Training course of a general type on oil pollution preparedness and response	65	-
- Specialized Regional Training course on chemical pollution preparedness and response	65	-
- Specialized Regional Training course on oil pollution combating	-	65
- Regional Training course for trainees (French and English)	-	65
- Technical assistance to States in the organization of national training courses (about 35 participants)	8	8
- Assisting States which so request in organizing joint response exercises	6	6

<u>Activities</u>	Proposed Budget	
	1994	1995
	(In thousands of US \$)	
3- Assistance to countries in case of emergency (Mediterranean Task Force)	15	15

TOTAL	1992	1993	1994	1995
MTF	129	151	252	204

* An additional 44 thousand U.S. dollars are budgeted annually for the coastal areas management programme.

N.B. The EEC is contributing an amount of 214,000 ECU in 1994 and 213,000 ECU in 1995 for the sub-regional system for combating major marine pollution accidents affecting, or likely to affect the territorial sea, coasts and related interests of Cyprus, Egypt and Israel.

b) Action Plan on Port Reception Facilities for the Mediterranean Region

Objectives

To promote the implementation of the IMO Convention for the prevention of the pollution of the marine environment by ships and to achieve the complete elimination of the international pollution of the Mediterranean Sea by ship generated wastes.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Consultants to prepare documents and analysis on availability and need for reception facilities as well as technological development	8	8
- Assistance in the preparation of working documents for the development of regional cooperation regarding the enforcement of relevant IMO Conventions	8	8
- Assistance in the preparation of working documents on the financial issue regarding the provision and the operation of port reception facilities	8	8
- Meeting of governmental experts on the development of regional cooperation regarding the enforcement of relevant IMO Conventions	60	-
- Meeting of governmental experts on the financial issue regarding the provision and the operation of port reception facilities	-	60
- Regional Training courses on the implementation of MARPOL 73/78	45	45
- Regional Training courses on Port State Control and Flag State Control for the inspectors and surveyors	-	65

TOTAL	1992	1993	1994	1995
MTF	10	10	129	194

Personnel and operational costs

REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE FOR THE MEDITERRANEAN (REMPEC) Valletta, Malta		Proposed Budget	
		1994	1995
Co-operating Agency IMO		(in thousands of US \$)	
Professional Staff			
- Director - D.1	12	120	126
- Technical Expert - P.4	12	91	96
- Chemist - P.4	12	91	96
- Engineer - P.2 ⁽¹⁾	12	-	-
Total Professional Staff		397	418
Administrative Support			
- Information Assistant - G.6	12	18	19
- Senior Secretary/Admin. Assistant - G.6	12	16	17
- Clerk Secretary - G.4	12	15	16
- Clerk/Secretary - G.4	12	15	16
- Clerk/Secretary - G.4	12	15	16
- Caretaker/Docs Reproducer - G.3	12	15	16
Total Administrative Support		94	100
Travel on Official Business		30	30
Office Costs		90	90

TOTAL	1992	1993	1994	1995
MTF	395	393	516	538

⁽¹⁾ On secondment from the government of France.

E. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES

9. ENVIRONMENTALLY SOUND MANAGEMENT OF THE MEDITERRANEAN COASTAL ZONES

a) Prospective analysis of the relationship between Environment and Development (Blue Plan)

Objective

To assist in preparing national, coastal or sectoral scenarios in the Mediterranean countries in keeping with the results and methodologies of the Blue Plan; to gather and process socio-economic, and environmental data and data relating to the appropriate technologies for the entire Mediterranean region, its coastal areas and coastal strip; to provide for the authorities concerned the instruments and methods of forward-looking work as applied to the sustainable development of the coastal regions, on the basis of the experience and achievements of the BP/RAC.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
<u>Systematic and prospective Studies</u>		
Studies at the Mediterranean Basin level:		
- Sectorial study on transport, communication and environment	15	-
- Sectorial study on desertification and environment	-	15
- Study on features, evolution and futures of Mediterranean landscape	10	10
- Overall updating of the main study on Futures of the Mediterranean	-	20
- Development of prospective tools for the coastal level	15	15
- Assistance to local experts for the preparation of National Scenarios	10	10
- Assistance to local experts of two countries for the preparation, in cooperation, of a systematic and prospective study for a coastal border region (to be identified with concerned countries in North-West or South-West Mediterranean)	15	15
<u>Training and Communication</u>		
- Workshop on Mediterranean prospective, methodologies, tools and application for development and environment decision-makers (20-25 participants)	-	40
- Regional Workshop and training on systematic and prospective tools and methods applicable to regional and coastal areas (one in French, one in English)	20	20
- Preparation and publication of 4 fascicules	10	10
- Preparation and editing of reports	5	5

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Preparation of a sensibilization kit, including an audiovisual support, on tools and outputs of the Blue Plan	10	10
<u>Institutional Meetings</u>		
- National Focal Points	30	-

TOTAL	1992	1993	1994	1995
MTF	158	138	140*	170*

* An additional 76 thousand U.S. dollars are budgeted annually for the coastal areas management programme.

Blue Plan Observatory

Objective

Improvement of database, statistics and indicators with the development of the function of "Mediterranean Environment Observatory".

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Improvement, updating and dissemination of socio-economic and environment data	10	10
- Definition and application of environmental indicators	10	10
- Working group on environment statistics and indicators (7-10 participants)	15	-
- Directory on information and research sources for development and environment decision-makers in the Mediterranean Basin	10	10
- Regional Workshop and training on environmental statistics and indicators (one in French in Western Mediterranean, one in English in Eastern Mediterranean, 15 participants each)	10	10
- Monitoring and evaluation of the implementation of the Observatory and preparation of strategy and working programme for the period 1996-2000	-	20
<u>Personnel and Operating Costs</u>		
- Environment statistics Expert ⁽¹⁾	-	-
- Documentation Officer ⁽¹⁾	-	-
- Data Processor and Cartographer ⁽¹⁾	-	-

TOTAL	1992	1993	1994	1995
MTF			55	60

(1) Covered by French/EEC Contributions.

N.B. The "Observatory" function is being implemented from April 1993, with the assistance of the EEC, for an amount of ECU 244,000/year for a three year initial phase. Considering the induced additional work and synergy effect with other activities (prospective and training), a complementary support from the Contracting Parties/MTF is necessary. The EEC important contribution has, however, taken into account the existent structure and thus has limited its assistance. This explains the additional financial support requested from MAP/MTF for the related activities and for the financing of a part-time senior bi-trilingual secretary partly financed from the EEC Observatory budget.

b) Coastal Planning and Management (Priority Actions Programme)

Objectives

The basic objective of the proposed programme is to contribute to the establishment and enhancement of the Integrated Coastal Areas Management process, oriented to the achievement of sustainable development of Mediterranean coastal areas, wherein the environmental concern, protection and rational use of coastal and marine resources and pollution abatement are among main criteria and targets.

<u>Activities</u>	<u>Proposed Budget</u>	
	1994	1995
	(in thousands of US \$)	
<u>Integrated Planning and Coastal Area Management</u>		
- Assistance to national and local institutions in the application of economic instruments (Consultants)	10	10
- Preparation of 2 pilot coastal profiles, including data base GIS (one in 1994 in English, one in 1995 in French) (Consultants)	10	10
- One Arab (French speaking) consultant to assist PAP/RAC in the implementation of the programme in Arab Mediterranean countries (Consultant)	10	10
- One regional workshop on Guidelines (15 participants) (Training)	35	-
- Two national training courses (one on application of the guidelines) (20 participants each) (Training)	-	25
- Two training courses on GIS for national experts to be involved in MAP CAMPs (8 participants each) (Training)	15	15
- National training courses on the application of CCA concept in planning and development of tourist activities (15 participants each)	20	20
<u>EIA</u>		
- Application of environmental impact studies - methodological approach (Consultants)	5	-
- Preparation of 2 pilot EI studies (one in 1994, one in 1995) and of guidelines for selected development projects (Consultants)	10	10
- Assistance to national authorities for the implementation of EIA process (Consultants)	5	10
- Three national training courses on application of EIA (20 participants each) (one in 1994, two in 1995)	10	15
- One expert meeting (3 experts) on application of EI studies (Meetings)	5	-

<u>Activities</u>	<u>Proposed Budget</u>	
	1994	1995
	(in thousands of US \$)	
<u>Water resources management</u>		
- Preparation of workshop documents on application of integrated approach to the development and management of water resources, including report on experiences gained through MAP CAMPs (Consultants)	10	-
- Preparation of Guidelines for the application of the integrated approach to development and management of water resources in Mediterranean coastal areas (Consultants)	-	10
- Assistance to interested countries in the implementation of sound water conservation practice and integrated management of water resources (Consultants)	10	10
- Workshop on application of integrated approach to the development and management of water resources (15 participants) (Training)	30	-
- Training course on application of the integrated approach to water resources management (15 participants)	-	30
<u>Soil erosion*</u>		
- Preparation of guidelines for monitoring of erosion processes in Mediterranean coastal areas (jointly with FAO) (Consultants)	5	-
- Expert meeting to evaluate the draft guidelines on monitoring of erosion processes (8 participants) (Meetings)	-	-
- Subcontracts with national institutions to prepare final report on the results of the pilot project (Subcontracts)	10	-
- Workshop to present guidelines on monitoring of erosion processes (20 participants) (Training)	-	25
<u>Solid and liquid waste management</u>		
- Consultants to prepare the training courses	10	5
- Regional training course on solid waste management (15 participants) (Meetings)	30	-
- Regional training course on reuse of urban waste waters (15 participants)	-	30

* FAO is providing an in cash/kind contribution of U.S. \$ 20,000 to cover the cost of participation of experts to meetings.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
<u>Aquaculture</u>		
- Cooperation with other UN agencies and institutions involved in aquaculture network in the Mediterranean (Consultants)	10	10
- Implementation of the network programme (Sub-contracts)	10	10
- Implementation of the cooperative project	..**	..**
<u>Meeting of NFPs for PAP</u>	-	45

TOTAL	1992	1993	1994	1995
MTF	319	437	260***	300***

** if external funds are secured

*** An additional 266 thousand U.S. dollars are budgeted annually for the coastal areas management programme.

Personnel and operational costs

BLUE PLAN REGIONAL ACTIVITY CENTRE (BP/RAC) Sofia Antipolis, France	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Professional Staff			
- Chairman (1)		-	-
- General Director (1)		-	-
- Scientific Expert - Prospective (2)	12	60	62
- Technical Expert - Ecoplanner and Observatory Co-ordinator	12	80	83
- Computer Officer (2)	12	35	36
Total Professional Staff		175	181
Administrative Support			
- Data Processing Assistant	12	40	41
- Data Collection Assistant	12	35	36
- Temporary Assistance		30	30
Total Administrative Support		85	87
Travel on Official Business		20	20
Operating Costs		50	52

TOTAL	1992	1993	1994	1995
MTF	265	265	350	360

(1) Provided by the French Government

(2) Complement to salary by French Government

N.B. The French Government Contribution is absolutely needed for covering part of: the salaries of the Scientific Expert, the Computer Officer (and eventually the coastal Prospective Expert), travel costs, costs of meetings and about half of the operating costs. This assuming that the French Government will provide the Director, two secretaries minimum and reasonable offices.

Personnel and operational costs

PRIORITY ACTIONS PROGRAMME REGIONAL ACTIVITY CENTRE (PAP/RAC) Split, Croatia	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Professional Staff			
- Director	12	35	35
- Co-ordinator of Pilot Project	12	25	25
Total Professional Staff		60	60
Administrative Support			
- Senior Assistant to Projects/Translator	12	18	18
- Assistant to Projects/Translator	12	17	17
- Assistant to Projects/Translator	12	17	17
- Assistant to Projects/Translator	12	17	17
- Administrative Assistant	12	17	17
- Financial Assistant	12	17	17
- Temporary Assistance		8	8
Total Administrative Support		111	111
Travel on Official Business		23	23
Office Costs		76	76

TOTAL	1992	1993	1994	1995
MTF	270	270	270	270

F. IMPLEMENTATION OF THE PROTOCOL ON SPECIALLY PROTECTED AREAS AND HISTORIC SITES

10. PROTECTION OF THE COMMON MEDITERRANEAN HERITAGE

a) Specially Protected Areas (SPA/RAC)

Objectives

To strengthen and co-ordinate activities undertaken by the Contracting Parties for the safeguard of the natural resources and natural sites of the Mediterranean Sea Area, as well as for the safeguard of their cultural heritage in the region.

<u>Activities</u>	Proposed Budget	
	1994	1995
	(in thousands of US \$)	
- Assistance to countries in the selection, establishment and management of Specially Protected Areas of ecological value (Consultants) (conforming with Art. 3-2a of the SPA Protocol and point 17(h) of the Genoa Declaration)	10	10
- Assistance to countries in the selection, establishment and management of Specially Protected Areas of cultural interest (Consultants) (conforming with Art. 3-2b of the SPA Protocol and point 17(g) of the Genoa Declaration)	10	5
- Implementation of the Action Plan for the conservation of Cetaceans in the Mediterranean Sea (Sub-contract)	25	25
- Implementation of the Action Plan for the management of the Monk Seal (Sub-contract)	5	5
- Implementation of the Action Plan for the conservation of the Mediterranean Marine Turtles (Sub-contract - Consultant)	15	15
- Conservation of other endangered species and ecosystems (Sub-contract - Consultant) (conforming with Art. 3-2a of the SPA Protocol and point 17(e) of the Genoa Declaration)	10	5
- Assistance to countries in their legislation dealing with Specially Protected Areas and species conservation (Sub-contract)	5	5
<u>Training courses concerning Specially Protected Areas and Species Conservation (14 trainees each year)</u>		
- Training courses on the conservation of Monk Seal, Marine Turtles, Cetaceans and marine vegetation	25	-
- Training courses on the conservation of Monk Seal, Marine Turtles, Cetaceans and on the management of protected areas	-	25
<u>Meetings/Seminars</u>		
- Meeting of National Focal Points	35	-

<u>Activities</u>	Proposed Budget	
	1994	1995
	(In thousands of US \$)	
- Meeting of experts for the evaluation of implementation of the Action Plan, the evaluation of Monk Seal populations in the Mediterranean and the launching of a captive breeding programme for the species (conforming with the Action Plan for the Management of the Monk Seal)	20	-
- Meeting of experts on endangered species in the Mediterranean (conforming with Art. 3-2b of the SPA Protocol and point 17(e) of the Genoa Declaration)	-	35

TOTAL	1992	1993	1994	1995
MTF	78	111	160*	130*

* An additional 39 thousand U.S. dollars are budgeted annually for the coastal areas management programme.

b) Preservation of Historic Sites (100 Historic Sites)

Objectives

To protect the coastal historic sites of common Mediterranean interest already identified by the Contracting Parties.

<u>Activities</u>	Proposed Budget ⁽¹⁾	
	1994	1995
	(in thousands of US \$)	
<u>Sites on the list of 100 Mediterranean Historic Sites</u>		
- Identify and evaluate the activities for protection and safeguarding of the listed sites	15	15
- Definition and finalization, of projects related to the protection of historic sites, including permanent and emergency measures, in co-operation with local authorities.	10	10
- Workshop on the establishment of permanent safeguarding plans and restoration of historic sites	15	-
- Workshop on the establishment of procedures for safeguarding historic sites	-	15
<u>Technical Assistance</u>		
- Evaluation of the state of degradation of historic sites (Consultants)	10	-
- Assistance to countries in the evaluation of major risks of historic sites and in the preparation of preventive measures (Sub-Contracts)	10	10
<u>Training/Communication</u>		
- Regional Workshop on the management tools and methods for historic sites	-	15
- Regional Workshop on stone degradation of historic sites	20	-
- Preparation and publication of fascicules on stone degradation	10*	-
- Preparation and publication of fascicules on the protection of underwater archaeological sites, including shipwrecks	-	10*
<u>Institutional Meetings</u>		
- National Focal Points	40	-

TOTAL	1992	1993	1994	1995
MTF	40	80	130	75

(1) The Atelier du patrimoine de la Ville de Marseille is providing an in kind/cash counterpart contribution of US \$ 100,000 per annum to cover the cost of two experts, administrative support and part of travel and operating costs.

* An additional 10,000 US\$ will be provided by outside funding.

Personnel and operational costs

SPECIALLY PROTECTED AREAS REGIONAL ACTIVITY CENTRE (SPA/RAC) Tunis, Tunisia	m/m	Proposed Budget	
		1994	1995
		(in thousands of US \$)	
Professional Staff			
- Director - ⁽¹⁾	12	30	30
- Expert - ⁽¹⁾	12	15	15
- Expert - ⁽¹⁾	12	50	50
- Data Researcher	12	40	40
Total Professional Staff		135	135
Administrative Support			
- Administrative Assistant	12	12	12
- Bilingual Secretary	12	10	10
- Driver	12	5	5
- Finance Officer ⁽²⁾	12	-	-
- Cleaner ⁽²⁾	12	-	-
- Caretaker ⁽²⁾	12	-	-
Total Administrative Support		27	27
Travel on Official Business		20	20
Office Costs		52	52

TOTAL	1992	1993	1994	1995
MTF	209	209	234	234

⁽¹⁾ Partly paid by Host Country.

⁽²⁾ Paid by Host Country.

G. PROGRAMME SUPPORT COSTS

In accordance with United Nations rules concerning the establishment and management of trust funds, administrative and technical costs incurred in the implementation of programmes and projects financed from trust funds are reimbursed to UNEP. The amount of the reimbursement is calculated at the standard percentages rate approved by the General Assembly (13%).

They cover the administrative services provided in the Headquarters or in the Med Unit such as project management, personnel administration, accounting, internal and external auditing.

TOTAL	1992	1993	1994	1995
MTF	669	742	826	871

III. EXPECTED COUNTERPART CONTRIBUTIONS IN CASH/KIND TO MAP PROJECTS

	1994	1995
	(in thousands of US dollars)	
Croatia (PAP/RAC)	150	150
Malta (REMPEC)	20	20
Tunisia (SPA/RAC)	50	50
FAO (MED POL)	96	96
WHO (MED POL)	100	100
WMO (MED POL)	50	50
IAEA (MED POL)	98	98
UNESCO/IOC (MED POL)	50	50

	1994	1995
	(in thousands of ECU)	
France (BP/RAC)	232	232
France (REMPEC)	37	37
France (city of Marseilles, Atelier du patrimoine)	83	83
EEC (BP/RAC Observatory ⁽¹⁾)	217	217
EEC (REMPEC ⁽²⁾)	214	213
EIB (Rhodes CAMP ⁽³⁾)	180	-

- (1) The EEC is contributing a total amount of 734,000 ECU for the Observatory for the years 1993, 1994, 1995 and part of 1996.
- (2) EEC contribution for the sub-regional system for combating major marine pollution accidents affecting, or likely to affect the territorial sea, coasts and related interests. The EEC is providing a total of ECU 654,150 for the years 1993, 1994, and 1995 for the two subregions (Cyprus, Egypt, Israel and Algeria, Morocco and Tunisia).
- (3) The EIB is providing a total of 360,000 ECU for the 1993 - 1994 biennium.