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MEDITERRANEAN ACTION PLAN

Informal Consultation on the
"Adriatic Initiative"

Athens, 18-20 December 1989

Report of the Informal Consultation
on the "Adriatic Initiative"

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BACKGROUND

"Adriatic Initiative" was launched at the Meeting of Prime-Ministers of Italy and Yugoslavia (17 September 1989) as a diversified and dynamic cooperation project open from the outset to all the coastal states of that sea or interested because of their proximity to the Adriatic basin, that includes a joint programme for the ecological protection of the Adriatic.

It was decided that study, research, planning and control activities were to be intensified taking advantage of the ten or more years of experience offered by the Mediterranean Action Plan which will continue to play a useful role of scientific support and of coordination.

During the Sixth Ordinary Meeting of the Contracting Parties to the Barcelona Convention, the Italian delegation informed the Meeting about the Adriatic initiative and indicated that the results of this cooperative effort would be reported to UNEP and coordinated with MAP activities. The representatives of Yugoslavia and Greece expressed support for the Adriatic Initiative and the willingness of their countries to participate actively in it (UNEP(OCA)/MED IG.1/5, paras 42, 43).

The following recommendations were adopted unanimously on this matter (UNEP(OCA)/MED IG.1/5 Annex V, 9.4, entitled: Special Action for the Adriatic Sea:

The Contracting Parties:

- (a) Recognize the specificity of the Adriatic Sea as one of the most sensitive parts of the Mediterranean and welcome the intention declared by the Government of Italy and Yugoslavia to implement a sub-regional joint programme for the environmental protection and development of the Adriatic, as essential part of the "Adriatic Initiative" inspired by the goals of the Barcelona Convention and its protocols, and of the Genoa Declaration;
- (b) recommend the strengthening of mutual co-operation between all MAP components, in particular MED POL, Priority Actions Programme (PAP) and Blue Plan, with the Adriatic countries committed to implement projects, consistent with the MAP objectives, methods and practice;

- (c) invite the Co-ordinating Unit with the Regional Centres to continue to provide scientific and technical support in order to accelerate the implementation of the objectives of the Genoa Declaration in the Adriatic, through active co-operation with the "Adriatic Initiative";
- (d) encourage the participation of Albania, Greece and the EEC, as well as other interested countries in the relevant activities for the protection of the Adriatic and adjacent waters in co-ordination with MAP activities;
- (e) invite the international financial institutions to support the implementation of the environmental goals of the Adriatic initiative."

The secretariat proposes to take as the basis for the development of this programme the "Genoa Declaration on the Second Mediterranean Decade (1986-1995)" adopted in 1985 by the Contracting parties to the Convention.

In this Declaration, the Contracting Parties, amongst others:

- Reaffirm their commitment to the protection of the Mediterranean Sea through the implementation of the Mediterranean Action Plan;
- Commit themselves to accelerate the implementation of national and international programmes in order to achieve the objectives of the various components of the Action Plan and to increase investment to combat pollution;
- Recognize that the provisions of the Action Plan should constitute an important framework for national development activities;
- Decide to launch a new phase of their cooperative efforts to accelerate ongoing activities and to achieve as a matter of priority then concrete targets during the second decade of the Mediterranean Action Plan.

The proposed programme includes the targets of the Genoa Declaration with the addition of some other important points of the Mediterranean Action Plan.

PROGRAMME OF IMPLEMENTATION

A. POLLUTION CONTROL

1. Port reception facilities

1.1. Objective

Establishment of reception facilities for dirty ballast waters and other oily residues received from tankers and ships in parts of the Adriatic Sea

1.2. Workplan

1.2.1. Preparatory phase	Target date
- updating of existing information on Italian and Yugoslav ports	Jan. 1990
- feasibility reports on each port	April 1990
- workplan with timetable for gradual establishment of reception facilities for each port	July 1990
1.2.2. Implementation phase	
- establishment of reception facilities in each port	Dec. 1995

2. Sewage treatment and disposal in coastal cities

2.1. Objective

Establishment as a matter of priority of sewage treatment plants in all Adriatic coastal cities with more than 100,000 inhabitants and appropriate outfalls and/or appropriate treatment plants for all towns with more than 10,000 inhabitants

2.2. Workplan

2.2.1. Preliminary phase

- updating of existing information Dec. 1989
- survey of pollution from coastal cities and towns (Land-based sources of pollution survey) March 1990
- mission to coastal cities/towns to identify requirements and calendar for meeting standards for bathing waters and shellfish growing areas and for treatment/disposal of sewage Sept. 1990
- workplan with timetable for gradual construction of sewage treatment/disposal for each coastal city or town Sept. 1990

2.2.2. Implementation phase

- construction of sewage treatment/disposal for coastal cities/towns Dec. 1995

3. **Reduction in industrial pollution and disposal of solid waste**

3.1. Objective

To achieve substantial reduction in industrial pollution and disposal of solid waste

3.2. Workplan

3.2.1. Preliminary phase

- survey of pollution from industrial sources and solid waste disposal sites (Land-based sources of pollution survey) March 1990
- feasibility study for the implementation of decisions concerning mercury, cadmium, used lubricating oils, organotin and organohalogen compounds June 1990
- workplan with timetable for gradual implementation of decisions on mercury, cadmium, used lubricating oils, organotin and organohalogen compounds June 1990

3.2.2. Implementation phase

- implementation of decisions on mercury, cadmium, used lubricating oils, organotin and organohalogen compounds Dec. 1995

4. **Reduction in air pollution**

4.1. Objective

to achieve substantial reduction in air pollution which adversely affects coastal areas and the marine environment with the potential danger of acid rains

4.2. workplan

4.2.1. Preliminary phase

- survey of air pollution sources in coastal areas March 1990
- feasibility study for reduction of pollution for each major source of air pollution Sept. 1990
- workplan with timetable for gradual construction of facilities for reduction of air pollution in coastal areas Dec. 1990

4.2.2. Implementation phase

- construction of facilities for reduction of air pollution Dec. 1995
- monitoring of air pollution in the Adriatic coastal areas Dec. 1995

5. **Reduction of riverine pollution**

5.1. Objective

To assess the pollution reaching the Adriatic Sea from rivers and to reduce and control such pollution

5.2. Workplan

5.2.1. Preparatory phase

- survey of pollution from rivers March 1990
- workplan with timetable for gradual reduction and control of pollution from rivers Sept. 1990

5.2.2. Implementation phase

- implementation of the workplan Dec. 1995

6. Oceanographic phenomenology of the Adriatic and Northern Ionian Sea

6.1. Objective

To compile all existing information and study the oceanographic phenomenology (pressure, wind, sea level, solar flux, temperature, salinity, density, nutrients) in order to improve prediction capabilities (correlation analysis, circulation and dispersion numerical models). Study will be done on several temporal and spacial scales using oceanographic measurements and remote-sensing techniques

6.2. Workplan

6.2.1. Preparatory phase

- compile existing information on the oceanographic phenomenology of the Adriatic and Northern Ionian Sea June 1990
- to prepare programme of field studies June 1990
- to prepare programme of model development June 1990

6.2.2. Implementation phase

- to produce report on the oceanographic phenomenology based on existing compiled information Sept. 1990
- to implement programme of field studies Sept. 1990
- to develop models Sept. 1991
- to produce revised report on the oceanographic phenomenology March 1992

7. Eutrophication and plankton bloom

7.1. Objective

To reduce and control events of plankton bloom

7.2. Workplan

7.2.1. Preparatory phase

- to prepare programme of monitoring (including identification of species) and control actions with timetable of implementation Jan. 1990

7.2.2. Implementation phase

- establishment of the Centre for the identification of species March 1990
- implementation of the monitoring programme March 1990
- implementation of programme of actions to reduce and control plankton bloom June 1990

8. Comprehensive monitoring programme

8.1. Objective

Monitoring of sources of pollution, coastal areas, open waters and airborne pollution in the Adriatic and proposal of common measures to reduce and control pollution

8.2. Workplan

8.2.1. Preparatory phase

- to review and amend, if necessary, existing programmes of monitoring and to develop comprehensive programme Jan. 1990

8.2.2. Implementation phase

- to implement comprehensive monitoring programme June 1990
- to prepare and publish Adriatic Bibliography, containing about 6.000 references concerning scientific investigation of the Adriatic Sea Jan. 1991

B. MANAGEMENT OF COASTAL ZONE

9. Adriatic coastal zone erosion

9.1. Objective

To study and identify present situation of the Adriatic coastal zone erosion and provide guidelines for coastal zone management planning

9.2. Workplan

9.2.1. Preparatory phase

- to prepare detailed programme of work with timetable and to identify participating experts and institutions March 1990

9.2.2. Implementation phase

- to prepare the study and present it at the seminar June 1991

10. Forest fires, soil loss and desertification

10.1. Objective

Effective measures to prevent and combat forest fires, soil loss and desertification

10.2. Workplan

10.2.1. Preparatory phase

- preparation of the workplan with timetable March 1990

10.2.2. Implementation phase

- implementation of the workplan Dec. 1995

11. Environmental Impact Assessment

11.1. Objective

Applying Environmental Impact Assessment (EIA) as an important tool to ensure proper development activities

11.2. Workplan

11.2.1. Preparatory phase

- to select several case studies for EIA, comparison of UNEP/MAP methodology and EEC directive June 1990
- to prepare case studies and review them at a seminar Sept. 1990
- to amend existing UNEP/MAP methodology, if necessary Oct. 1990

11.2.2. Implementation phase

- to implement adopted EIA methodology on all significant Adriatic coastal project Dec. 1995

12. Tourism

12.1. Objective

To assess the trends of development of tourism (including marinas) on the Adriatic coast and to propose and implement programme of actions for the management of tourism

12.2. Workplan

12.2.1. Preparatory phase

- to assess trends of development of tourism April 1990
- to propose programme of actions for the management of tourism Sept. 1990

12.2.2. Implementation phase

- to implement programme of actions for the management of tourism Dec. 1995

13. Water supply

13.1. Objective

To assess problems of water supply in the coastal Adriatic region and to propose and implement programme of actions for water supply in this region

13.2. Workplan

13.2.1. Preparatory phase

- to assess problems of water supply in the coastal Adriatic region March 1990
- to prepare programme of actions for water supply in coastal Adriatic region Sept. 1990

13.2.2. Implementation phase

- to implement programme of actions for water supply in coastal Adriatic region Dec. 1995

14. Aquaculture

14.1. Objective

To assess feasibility of aquaculture development in the Adriatic region and to propose and implement programme of actions for such development

14.2. Workplan

14.2.1. Preparatory phase

- survey of existing and potential aquaculture sites and feasibility study of their development March 1990
- to prepare programme of development of existing and new aquaculture sites June 1990

14.2.2. Implementation phase

- to implement programme of development of existing and new aquaculture sites Dec. 1995

15. Blue Plan scenario for the Adriatic through the year 2025

15.1. Objective

To prepare a Blue Plan scenario of development of the Adriatic through the year 2025

15.2. Workplan

15.2.1. Preliminary phase

- to identify detailed content of the scenario and participating institutions March 1990

15.2.2. Implementation phase

- to prepare scenario and present it at a seminar March 1991

16. Implications of climatic changes on the Adriatic Sea area

16.1. Objective

To study implications of climatic changes on the Adriatic Sea area and propose actions

16.2. Workplan

16.2.1. Preparatory phase

- to identify experts and institutions (task team) to work on the problem Jan. 1990

- to inform task team on the results of recent studies (Po delta and Venice lagoon) and study in preparation (selected Yugoslav islands) May 1990

16.2.2. Implementation phase

- to carry out the study for selected Yugoslav Islands March 1991

- to prepare Adriatic study on implications of climatic changes and present it at a seminar Sept. 1991

17. Management of specific coastal zones

17.1. Objective

Management of specific coastal zones through the full implementation of Barcelona Convention, Genoa Declaration, Mediterranean Action Plan, relevant national legislation and relevant international legislation

17.2. Workplan

17.2.1. Preliminary phase

- identification of specific coastal zones in addition to the MAP Pilot project in Kastela Bay

Jan. 1990

- workplan with timetable for the implementation

April 1990

17.2.2. Implementation phase

- implementation of specific coastal zone management projects

Dec. 1995

C. PROTECTION OF HUMAN AND NATURAL HERITAGE

18. Specially Protected Areas

18.1. Objective

Protection of existing marine and coastal sites and identification of new ones

18.2. Workplan

18.2.1. Preparatory phase

- identification of new sites Feb. 1990

- workplan with timetable for establishment of new sites and protection of new and existing sites May 1990

18.2.2. Implementation phase

- implementation of the workplan Dec. 1995

19. Adriatic endangered marine species

19.1. Objective

Protection of endangered marine species (e.g. Monk Seal and Mediterranean Sea Turtle)

19.2. Workplan

19.2.1. Preparatory phase

- identification of Adriatic endangered species March 1990

- workplan with timetable for the protection of endangered species April 1990

19.2.2. Implementation phase

- implementation of the workplan Dec. 1995

20. Adriatic coastal historic sites

20.1. Objective

Protection of Adriatic coastal historic sites of common interest

20.2. Workplan

20.2.1. Preparatory phase

- identification of new coastal sites March 1990
- workplan with timetable for protection of coastal sites May 1990

20.2.2. Implementation phase

- implementation of the workplan Dec. 1995

D. MARITIME TRANSPORT

21. Safety of maritime navigation in the Adriatic

21.1. Objective

Cooperation to improve the safety of maritime navigation and to reduce substantially the risk of transport of dangerous toxic substances likely to affect the coastal areas or induce marine pollution

21.2. Workplan

21.2.1. Preparatory phase

- preparation of a sub-regional plan for the improvement of the safety of maritime navigation in the Adriatic

May 1990

21.2.2. Implementation phase

- implementation of the plan for the improvement of the safety of maritime navigation in the Adriatic

May 1992

22. Adriatic contingency plans

22.1. Objective

Contingency plans for action in the case of accidents during transportation or loading/unloading operations

22.2. Workplan

22.2.1. Preliminary phase

- preparation of the Adriatic contingency plan

May 1990

22.2.2. Implementation phase

- implementation of the Adriatic contingency plan

May 1992

23. Transboundary movement of hazardous waste and its disposal

23.1. Objective

To control transboundary movement in the Adriatic of hazardous waste and its disposal

23.2. Workplan

23.2.1. Preparatory phase

- preparation of a programme to control and reduce transboundary movement in the Adriatic of hazardous waste and its disposal

May 1990

23.2.2. Implementation phase

- implementation of the programme

May 1991

Annex I

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Annex II

Declaration of Intent on the "Adriatic Initiative"
of Environmental Co-operation*

(issued at Umag on September 17, 1989 by the Government of the Italian Republic and the Federal Executive Council of the Assembly of the Federal Socialist Republic of Yugoslavia)

"The two Parties have agreed to undertake a diversified and dynamic co-operation project to be known as "The Adriatic Initiative", open, from the outset, to all the coastal States of that sea or interested because of their proximity to the Adriatic basin, being located either to the north or to the south of this sea.

Within this framework fields to which priority will be given have already been identified as have the instruments appropriate for achieving concrete results.

Prompted by a common interest and by their respective responsibilities as far as the Adriatic Sea is concerned, the two Parties have agreed to draw up a joint programme for the ecological protection of the Adriatic.

Study, research, planning and control activities are to be intensified, taking advantage of the ten or more years of experience offered by the Mediterranean Action Plan (MAP), which will continue to play a useful role of scientific support and co-ordination.

It will be advisable to develop a consistent mathematical model based on the analysis of data relative to the two shores of the Adriatic, to be applied to the ecosystem as a whole and also an up-to-date network for the forecast and early warning of phenomena connected with tidal variations.

The two Parties have agreed that these anti-pollution measures and the strategy to be adopted to eliminate the causes of pollution should be based on a number of operational schemes dealing with specific local situations.

The development of the research and operational phases will rely on appropriate instruments for concerted action. Of particular importance in this respect is the meeting, scheduled for the coming autumn, of the Joint Committee for the Protection of the Adriatic; in the future the Joint Committee will be convened whenever required.

Within this context, it has been noted with satisfaction that the EEC Commission has shown its willingness to contribute to the fight against pollution in the Adriatic and to the elimination of its causes."

* Note: Unofficial translation into English of the original text in Italian and in Serbo-Croat languages

Annex III

EEC Proposal on the "Adriatic Initiative"

A. Objectives to be achieved by 1995

1. Elimination and/or reduction of pollution
2. Mitigation of the eutrophication and of the related phenomena
3. Promotion of tourism

B. Actions to be taken between 1990 and 1995

1. Reduction of inputs of dangerous substances (List I) by 50% using the best available technology taking account of the economic feasibility
2. Reduction by 50% of nutrients
3. Ban on dumping of waste in sea
4. Implementation of reception facilities for oily residues and chemicals

C. Monitoring and control

1. Preparation of a Quality Status Report by the end of 1990
2. Set-up of a monitoring network

D. Implementation

1. Preparatory phase
2. Execution
3. Assessment of the result and additional action necessary

ANNEX IV

PROGRAMME OF IMPLEMENTATION OF THE "ADRIATIC INITIATIVE"**A. HIGH PRIORITY ACTIONS WHICH WILL RESULT IN IMMEDIATE IMPROVEMENT AND WHICH REQUIRE URGENT INVESTMENT****1. Port reception facilities**

1.1. Objective

Establishment of reception facilities for dirty ballast waters and other oily residues received from tankers and ships in ports of the Adriatic Sea, as well as ship's garbage

1.2. Workplan

1.2.1. Preparatory phase Target date

- updating of existing information on Adriatic ports Feb. 1990
- feasibility reports on each port April 1990
- workplan with timetable for gradual establishment of reception facilities for each port July 1990

1.2.2. Implementation phase

- establishment of reception facilities in each port Dec. 1995

2. Sewage treatment and disposal in coastal cities

2.1. Objective

Establishment as a matter of priority of sewage treatment plants in all Adriatic coastal cities with more than 100,000 inhabitants and appropriate outfalls and/or appropriate treatment plants for all towns with more than 10,000 inhabitants

2.2. Workplan

2.2.1. Preliminary phase

- updating of existing information Feb. 1990
- survey of pollution from coastal cities and towns (Land-based sources of pollution survey) June 1990
- mission to coastal cities/towns to identify requirements and calendar for meeting standards for bathing waters and shellfish growing areas and for treatment/disposal of sewage Dec. 1990
- workplan with timetable for gradual construction of sewage treatment/disposal for each coastal city or town Dec. 1990

2.2.2. Implementation phase

- construction of sewage treatment/disposal for coastal cities/towns Dec. 1995

3. Reduction in industrial pollution and disposal of solid waste

3.1. Objective

To achieve substantial reduction in industrial pollution and disposal of solid waste

3.2. Workplan

3.2.1. Preliminary phase

- survey of pollution from industrial sources and solid waste disposal sites (Land-based sources of pollution survey) June 1990
- feasibility study for the implementation of decisions concerning mercury, cadmium, used lubricating oils, organotin and organohalogen compounds Dec. 1990
- workplan with timetable for gradual implementation of decisions on mercury, cadmium, used lubricating oils, organotin and organohalogen compounds Dec. 1990

3.2.2. Implementation phase

- implementation of decisions on mercury, cadmium, used lubricating oils, organotin and organohalogen compounds Dec. 1995

4. Reduction in air pollution

4.1. Objective

to achieve substantial reduction in air pollution which adversely affects coastal areas and the marine environment with the potential danger of acid rains

4.2. workplan

4.2.1. Preliminary phase

- survey of air pollution sources in coastal areas June 1990
- feasibility study for reduction of pollution for each major source of air pollution Sept. 1990
- workplan with timetable for gradual construction of facilities for reduction of air pollution in coastal areas Dec. 1990

4.2.2. Implementation phase

- construction of facilities for reduction of air pollution Dec. 1995
- monitoring of air pollution in the Adriatic coastal areas Dec. 1995

5. Reduction of riverine pollution

5.1. Objective

To assess the pollution reaching the Adriatic Sea from rivers and to reduce and control such pollution

5.2. Workplan

5.2.1. Preparatory phase

- survey of pollution from rivers June 1990
- workplan with timetable for gradual reduction and control of pollution from rivers Sept. 1990

5.2.2. Implementation phase

- implementation of the workplan Dec. 1995

B. ACTIONS OF THE REGULATORY AND STUDY NATURE WHICH WILL PROTECT THE ENVIRONMENT AND DIMINISH THE ENVIRONMENTAL RISKS AND WHICH WILL RESULT IN MEDIUM TERM IMPROVEMENT

6. Oceanographic phenomenology and modelling of the Adriatic and Northern Ionian Sea

6.1. Objective

To compile all existing information and study the oceanographic phenomenology (pressure, wind, sea level, solar flux, temperature, salinity, density, nutrients) in order to improve prediction capabilities (correlation analysis, circulation and dispersion numerical models). Study will be done on several temporal and spacial scales using oceanographic measurements (including tide-gauge measurements) and remote-sensing techniques

6.2. Workplan

6.2.1. Preparatory phase

- compile existing information on the oceanographic phenomenology of the Adriatic and Northern Ionian Sea June 1990
- to prepare programme of field studies June 1990
- to prepare programme of model development June 1990

6.2.2. Implementation phase

- to produce report on the oceanographic phenomenology based on existing compiled information Sept. 1990
- to implement programme of field studies Sept. 1990
- to develop models Sept. 1991
- to produce revised report on the oceanographic phenomenology March 1992

7. Eutrophication and plankton bloom

7.1. Objective

To reduce and control events of plankton bloom

7.2. Workplan

7.2.1. Preparatory phase

- to prepare programme of monitoring (including identification of species) and control actions with timetable of implementation Jan. 1990
- to prepare programme of study of correlation between plankton bloom and health effects June 1990

7.2.2. Implementation phase

- establishment of the Centre for the identification of species March 1990
- implementation of the monitoring programme March 1990
- implementation of programme of actions to reduce and control plankton bloom June 1990
- implementation of programme June 1992

8. Comprehensive monitoring programme

8.1. Objective

Monitoring of sources of pollution, coastal areas, open waters and airborne pollution in the Adriatic and proposal of common measures to reduce and control pollution

8.2. Workplan

8.2.1. Preparatory phase

- to review and amend, if necessary, existing programmes of monitoring and to develop comprehensive programme Jan. 1990

8.2.2. Implementation phase

- to implement comprehensive monitoring programme June 1990
- to prepare and publish Adriatic Bibliography, containing about 6.000 references concerning scientific investigation of the Adriatic Sea Jan. 1991

9. Specially Protected Areas

9.1. Objective

Protection of existing marine and coastal sites and identification of new ones

9.2. Workplan

9.2.1. Preparatory phase

- identification of new sites Feb. 1990

- workplan with timetable for establishment of new sites and protection of new and existing sites May 1990

9.2.2. Implementation phase

- implementation of the workplan Dec. 1995

10. Endangered and endemic marine species

10.1. Objective

Protection of endangered marine species (e.g. Monk Seal and Mediterranean Sea Turtle)

10.2. Workplan

10.2.1. Preparatory phase

- identification of endangered and endemic species and their habitats March 1990

- workplan with timetable for the protection of endangered and endemic species and their habitats April 1990

10.2.2. Implementation phase

- implementation of the workplan Dec. 1995

11. Safety of maritime navigation in the Adriatic

11.1. Objective

Cooperation to improve the safety of maritime navigation and to reduce substantially the risk of transport of dangerous toxic substances likely to affect the coastal areas or induce marine pollution

11.2. Workplan

11.2.1. Preparatory phase

- preparation of a plan, in accordance with the positive international law and practice, for the improvement of the safety of maritime navigation in the Adriatic May 1990
- preparation of a programme to control and reduce transboundary movement in the Adriatic of hazardous waste and its disposal without prejudice to the Law of the Sea and especially to the freedom of navigation May 1990

11.2.2. Implementation phase

- implementation of the plan for the improvement of the safety of maritime navigation in the Adriatic May 1992
- implementation of the programme May 1991

12. Adriatic contingency plans

12.1. Objective

Contingency plans for oil and chemical spills action in the case of accidents during transportation or loading/unloading operations

12.2. Workplan

12.2.1. Preliminary phase

- preparation of the Adriatic contingency plan including equipment requirements May 1990

12.2.2. Implementation phase

- implementation of the Adriatic contingency plan May 1992

C. ACTIONS WHICH WILL RESULT IN A MANAGEMENT TOOLS AND WHICH WILL ENSURE ENVIRONMENTALLY SOUND MANAGEMENT OF COASTAL ZONES

Sound Management of coastal zones is a highly complex process with strong interrelations among various human activities like tourism, industry, settlements, fisheries and aquaculture, agriculture, transportation, etc. All these activities compete quite often for the same space and resources (soil, water, air, etc.) with frequently conflicting requirements. Therefore it is extremely important that management of coastal zones utilizes land-use and sea-use plans and takes into account the capacity of the environment to accommodate certain activity or the combination of several activities.

13. Adriatic coastal zone erosion

13.1. Objective

To study and identify present situation of the Adriatic coastal zone erosion and provide guidelines for coastal zone management planning

13.2. Workplan

13.2.1. Preparatory phase

- to prepare detailed programme of work with timetable and to identify participating experts and institutions March 1990

13.2.2. Implementation phase

- to prepare the study and present it at the seminar June 1991

14. Forest fires, soil loss and desertification

14.1. Objective

Effective measures to prevent and combat forest fires, soil loss and desertification

14.2. Workplan

14.2.1. Preparatory phase

- preparation of the workplan with timetable June 1990

14.2.2. Implementation phase

- implementation of the workplan Dec. 1995

15. Environmental Impact Assessment

15.1. Objective

Applying Environmental Impact Assessment (EIA) as an important tool to ensure proper development activities

15.2. Workplan

15.2.1. Preparatory phase

- to select several case studies for EIA, comparison of UNEP/MAP methodology and EEC directive June 1990
- to prepare case studies and review them at a seminar Sept. 1990
- to amend existing UNEP/MAP methodology, if necessary Oct. 1990

15.2.2. Implementation phase

- to implement adopted EIA methodology on all significant Adriatic coastal project Dec. 1995

16. Tourism

16.1. Objective

To assess the environmental impact of development of tourism (including marinas) on the Adriatic coast and to propose and implement programme of actions for the management of tourism on a sustainable and sound environmental basis

16.2. Workplan

16.2.1. Preparatory phase

- to assess trends of development of tourism and its environmental impact June 1990
- to propose programme of actions for the management of tourism Dec. 1990

16.2.2. Implementation phase

- to implement programme of actions for the management of tourism Dec. 1995

17. Water supply

17.1. Objective

To assess problems of water supply in the coastal Adriatic region and to propose and implement programme of actions for water supply in this region

17.2. Workplan

17.2.1. Preparatory phase

- to assess problems of water supply in the coastal Adriatic region March 1990
- to prepare programme of actions for water supply in coastal Adriatic region Sept. 1990

17.2.2. Implementation phase

- to implement programme of actions for water supply in coastal Adriatic region Dec. 1995

18. Fisheries and Aquaculture

18.1. Objective

To assess environmental impact of aquaculture development in the Adriatic region and to propose and implement programme of actions for such development as well as of fisheries

18.2. Workplan

18.2.1. Preparatory phase

- survey of existing and potential aquaculture sites and feasibility study of their development March 1990
- to prepare programme of development of existing and new aquaculture sites June 1990

18.2.2. Implementation phase

- to implement programme of development of existing and new aquaculture sites Dec. 1995

19. Blue Plan scenario for the Adriatic

19.1. Objective

To prepare a Blue Plan scenario of development of the Adriatic

19.2. Workplan

19.2.1. Preliminary phase

- to identify detailed content of the scenario and participating institutions and to establish working group

March 1990

19.2.2. Implementation phase

- to prepare scenario and present it at a seminar

March 1991

20. Implications of climatic changes on the Adriatic Sea area

20.1. Objective

To study implications of climatic changes on the Adriatic Sea area and propose actions

20.2. Workplan

20.2.1. Preparatory phase

- to identify experts and institutions (task team) to work on the problem

Jan. 1990

- to inform task team on the results of recent studies (Po delta and Venice lagoon) and study in preparation (selected Yugoslav islands)

May 1990

20.2.2. Implementation phase

- to carry out the study for selected Yugoslav Islands

March 1991

- to prepare Adriatic study on implications of climatic changes and present it at a seminar

Sept. 1991

21. Management of specific coastal zones

21.1. Objective

Management of specific coastal zones through the full implementation of Barcelona Convention, Genoa Declaration, Mediterranean Action Plan, relevant national legislation and relevant international legislation

21.2. Workplan

21.2.1. Preliminary phase

- identification of specific coastal zones in addition to the MAP Pilot project in Kastela Bay March 1990
- workplan with timetable for the implementation June 1990

21.2.2. Implementation phase

- implementation of specific coastal zone management projects Dec. 1995

22. Adriatic coastal historic sites

22.1. Objective

Protection of Adriatic coastal historic sites of common interest

22.2. Workplan

22.2.1. Preparatory phase

- identification of new coastal sites March 1990
- workplan with timetable for protection of coastal sites May 1990

22.2.2. Implementation phase

- implementation of the workplan Dec. 1995