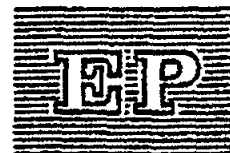




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MEDITERRANEAN ACTION PLAN

XXVII Meeting of the Inter-Agency
Advisory Committee (IAAC) for MED POL

Athens, 7-10 December 1993

REPORT

**OF THE XXVII MEETING OF THE INTER-AGENCY
ADVISORY COMMITTEE (IAAC) FOR MED POL**

UNEP
Athens, 1993

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The XXVII IAAC Meeting was held in Athens from 7 to 10 December 1993. The list of participants is attached as Annex I.

Agenda Item 1: Opening of the Meeting

1. The Meeting was opened by Mr L. Jetic, Deputy Co-ordinator, who explained the main tasks of the Committee in the light of the results of the Intergovernmental Meeting held in Antalya in October 1993.
2. Mr Jetic informed the Committee that on 9 December Ms E. Dowdeswell, Executive Director of UNEP, would be in the Athens Office for a short visit.
3. As in the past, Mr Jetic acted as chairman and Mr F.S. Civili acted as technical secretary.

Agenda Item 2: Adoption of the Agenda

4. The proposed Agenda was discussed and modified and appears as Annex II to this report. The list of documents prepared for the meeting appears as Annex III.

Agenda item 3: Review of 1993 activities and workplan and timetable for 1994-1995 activities

3.1. Monitoring

5. Document UNEP(OCA)/MED WG.77/Inf.1 was introduced by the secretariat. It was explained that 1993 monitoring programmes were being prepared for eight countries and that the total funds now available for direct assistance amounted at about US\$ 110,000. A new format was being used which separated the descriptive part of the programme from the more technical sections thus making the document more easily readable. It was suggested to insert in the Monitoring Agreement a footnote indicating that the participation in the intercalibration exercise is obligatory.

6. During the discussions which followed, it was agreed that every effort should be made to avoid to prepare monitoring programmes at the end of the year even in the cases when funds for assistance were not available. To this effect, the Committee decided that the eight 1993 agreements should be finalized as soon as possible and that an accompanying letter should remind national co-ordinators that, in view of the agreed deadline for submission of monitoring programmes (15 November of each year), the proposed programme for 1994 should exceptionally reach the secretariat not later than 15 February 1994. Such deadlines should be strictly respected in the future.

7. The Meeting stressed the need for better coordination between the co-operating agencies in providing support to the MED POL national monitoring programmes. In particular it was agreed that the purchase of non-expendable equipment through one of the agencies should be done in consultation with other agencies responsible for other MED POL sub-programmes so that the equipment could be used for all the MED POL components. An agreement with a recipient institute on the latter could be formally sought through the National Co-ordinator and should be reflected in the relevant monitoring agreement.

3.2. Pilot monitoring exercises

8. A brief review of the 1993 pilot monitoring exercise was made by the respective agencies' representatives.

9. Mr L.J. Saliba, WHO, informed the Committee that the pilot monitoring exercise on anionic detergents had been completed and that the results were being reviewed. He also stated that for the exercise on cyanides and fluorides, which had no earmarked funds for 1994-1995, Institutes which would be prepared to perform the work without any assistance were being sought.

10. Mr G. Gabrielides, FAO, informed that the pilot monitoring exercise on fungicides had been initiated and that the one on item 1 annex II elements was never initiated due to lack of funds with the exception of one case study which was carried out in Israel.

3.3. Data quality assurance, intercalibration and maintenance

11. Ms M. Horvat, IAEA, informed the Committee that in 1993 the Marine Environmental Studies Laboratory (MESL), section of the IAEA-MEL, conducted quality assurance missions (including on-job training) to several countries: Albania, Cyprus, Egypt, Slovenia and Tunisia. An intensive in-house (at MESL Laboratories) group training programme was organized for trace organic contaminants determination (6 trainees), trace metals and instrument maintenance (5 trainees), and total and methyl mercury determination (6 trainees).

12. The instrument maintenance engineer installed new equipment (donated through the World Bank METAP programme) in Slovenia and Albania, and conducted seven service visits to monitoring laboratories. Spare parts were also supplied to several countries.

13. As requested at the XXVI IAAC Meeting substantial efforts were also directed to produce a Report of the performance of the MED POL laboratories in intercomparison exercises organized by the IAEA-MEL on the analysis of organic contaminants (halogenated and petroleum hydrocarbons) and trace element samples. Although the performance of MED POL laboratories in IAEA-MEL intercomparison exercises has improved, the need for continued efforts is still endorsed.

14. The above mentioned report, which is currently being prepared for distribution as MTS, was presented and discussed at the UNEP/IAEA Consultation meeting on guidelines on analytical data quality assurance, Monaco (21-23 October 1993). Conclusions and recommendations adopted by the meetings are summarized in Annex I of the meeting's report (UNEP(OCA)/MED WG.72/1).

15. In conjunction with GESREM (the IOC/IAEA/UNEP Groups of Experts on Standards and Reference Materials) new mussel reference material were produced (GESREM I for trace metals and GESREM II for trace organics). GESREM activity in this field is extremely important since it provides Reference Materials available free of charge to laboratories in developing countries.

16. A new intercomparison sample for trace organics and methyl mercury in mussel homogenate was prepared and was ready to be distributed for intercomparison to MED POL monitoring laboratories. Additionally, several small scale intercomparison exercises were organized for new determinands (including methyl mercury, fungicides and faecal sterols). Results have, so far, been received for methyl mercury in fish homogenate. Participants of the training courses organized by IAEA-MEL through 1992/93 period were invited to participate in order to improve their abilities to perform accurate analysis.

17. Mr A. Soudine, WMO, informed the Committee of the quality assurance activities for the airborne pollution monitoring which were carried out in 1993 and which included an expert consultation (Ankara, 27-30 May 1993) and intercalibration of precipitation chemistry analysis by using artificial rain water samples. The intercalibration of methods of analysis of heavy metals in air and of sample pre-treatment procedures were planned for the beginning of 1994 by using specially prepared air filters.

18. Mr L.J. Saliba, WHO, informed the Committee of the intercomparison exercise of microbial methods in French which had taken place in September in Tunis and that a consultant was at present reviewing the results of all exercises held since 1988.

19. During the discussion which followed, it was agreed that the results of all intercalibration exercises had to be made available to all members of the IAAC on a strictly confidential basis to enable a more appropriate interpretation of the data sent by the monitoring laboratories. Ms Horvat informed that details on all exercises held since 1987 would be transmitted to IAAC members very soon.

3.4. Reporting forms

20. The Committee noted the use of data transfer formats as for reporting data forms. A brief review of the reporting forms missing or to be finalized was made by the Committee on the basis of the list prepared at the XXVI IAAC Meeting in 1992. It was agreed that air and draft precipitation forms were to be reviewed and finalized by 31 May 1994 by WMO in order to be disseminated to the region. Forms regarding micro-organisms in sand, radionuclides in seawater, litter in seawater and on seashore were to be completed by 31 March 1994 by, respectively, WHO, IAEA and IOC.

3.5 Reference methods

21. The representative of IOC recalled that the GIPME Groups of Experts, GEMSI, GEEP and GESREM constantly review and update methods, manuals and guidelines and relevant Reference Methods documents prepared by the relevant Agencies. He suggested that the relevant information on new Reference Methods, replacement or modifications of old ones should be regularly communicated to MAP secretariat and co-operating agencies. The meeting agreed with this suggestion.

22. An updated list (prepared by L. Mee) of all Reference Methods in stock and at the review and planning stage was distributed by Ms Horvat to representatives of Agencies. She informed that a final version including GEMSI and GEEP comments and recommendations, was scheduled for the end of 1993 and would be distributed to co-operating Agencies.

3.6 Data processing

23. A long discussion was held on the processing and use of MED POL data. During the discussion, the FAO representative pointed out that it was necessary to

screen the data before they were used for any processing. He informed the Group that through a quick search he made, he found a lot of high values which did not appear logical. As there was no established procedure for screening and qualifying data, he recommended that small groups of experts be convened to establish such procedures for various types of data. The Group agreed to convene the above meetings as soon as possible inviting also experts from ICES and/or other international programmes.

24. The group also agreed that there were other problems with the data such as missing and/or misleading information and other discrepancies which should be dealt with as appropriate.

25. The Group also agreed that the use of the results of the Data Quality Assurance Programme should be discussed by the experts group mentioned above.

26. As to the procedures to be followed for the analysis of incoming data, the Committee agreed that the interaction between the Data processing and the Agencies should be strengthened and improved and that the decisions of the XXV IAAC 1991 meeting for the computerization of the data should be strictly followed (see Annex I of UNEP(OCA)/MED WG. 34/1).

27. Concerning the statistical analysis and graphic presentation of data, it was brought to the attention of the Committee that the Italian Government had finalized an agreement with MEDU to implement a project on data analysis and presentation including statistical analysis. The project is suggested to start in January 1994 and is expected to contribute to the over-all data processing activities of MED POL.

3.7 Meetings/training workshops

28. Document UNEP(OCA)/MED WG. 77/Inf.2 was distributed and updated including the necessary details on the meetings/training workshops planned to be held in 1994-1995. The list appears as Annex IV to this report.

3.8 Workplan for LBS implementation

29. Document UNEP(OCA)/MED WG. 77/Inf.3 was distributed and updated. In the discussion which followed on the preparation of assessment documents, the FAO representative informed the Committee that his Agency would not like to continue to be responsible for the preparation of those documents for which his Agency had a leading role on the basis of the arrangement used to date. He stressed that for the

elements still to be tackled more experts were needed considering the fact that the document included chapters on levels, effects on organisms, health aspects, treatment of effluents and economic impact of the measures proposed for each element. In addition a final review meeting should be convened to agree on the proposed measures before submitting the document to the STC. It appeared evident that such a procedure was not possible with the level of funds utilized to date.

30. Other Agencies shared FAO's views as they also applied to their own field of work.

31. Considering that the above was agreed upon by all the participants, and in view of the financial resources available it was obvious that the number of assessment documents to be prepared each year had to be reduced drastically.

32. It was also agreed that the calendar of implementation of the LBS Protocol should be reviewed.

33. The group reviewed the list of the assessments still to be prepared and divided them in four categories (see Annex V):

- a) items which should be considered for the preparation of an assessment;
- b) items which should be considered for the preparation of a revision of the existing assessment;
- c) items for which the opinion of experts was necessary before deciding on whether to proceed with the preparation of an assessment;
- d) items which should not be considered for the preparation of an assessment.

34. It was further decided that the items which should be considered should be inserted into the new workplan and timetable and proposed to the Joint Committee Meeting for approval.

3.9 Research projects

35. A list of on-going research projects as well as a list with the new 1994 proposed projects was distributed and updated by the Committee.

36. The IOC representative expressed his Agency's concern that in 1993 there was no allocation at all of funds for research projects to IOC. Therefore, projects of importance including eutrophication had to be discontinued. It was pointed out by the secretariat that as funds were not available due to the late payment of contributions, no Agency received an allocation for research.

3.10 MAP Technical Reports Series

37. A full list of the MAP Technical Reports Series which had been published in 1993 was distributed to all participants.

3.11 Climatic changes

38. Information was provided to the Committee on the status of the second and third generation studies on the implication of climatic changes in the Mediterranean. The third generation studies were initiated in Albania and Egypt in the framework of the CAMP projects.

3.12 Coastal Areas Management Programmes (CAMPS)

39. A brief overview of the CAMP projects was made. The first generation of CAMPS were all being finalized and new CAMPS had commenced in Egypt, Tunisia and Albania.

40. The IOC representative informed the meeting that through the Global Ocean Observing System (GOOS) and its component on climate change related phenomena in the coastal zone inputs could be provided to the Mediterranean CAMPS.

Agenda item 4: Review of decisions of Eighth Ordinary Meeting of the Contracting Parties to the Convention for the Protection of the Mediterranean Sea against Pollution and its related Protocols (Antalya, Turkey, 12-15 October 1993)

41. A table summarizing all the decisions made at the Antalya meeting with the indication of the expected actions and the responsible officer was distributed to all participants for information.

Agenda item 5: Preparation of a new project document

42. The secretariat informed the Committee that a new project document covering the biennium 1994-1995 had to be prepared with each Agency in substitution of the umbrella project and a draft be sent to MEDU by 16 December 1993. Examples of similar project documents were distributed as a guide. Such project documents should contain description of short and long-term objectives, outputs, use of outputs, workplan and timetables and, for meeting and workshops, the indication of the number of participants.

Agenda item 6: Budget for 1994-1995 activities

43. Considering that the over-all budget for all activities had been approved by the Antalya Meeting, the Agencies' representatives felt that the only budget lines which had to be agreed upon were those relevant to monitoring and research. After a discussion the following decision was made:

Monitoring funds administered by Agencies for purchase of equipment and material:

1994: MEDU: US\$ 140,000, WMO: US\$ 40,000, FAO: US\$ 120,000, WHO: US\$ 120,000

1995: MEDU: US\$ 140,000, WMO: US\$ 50,000, FAO: US\$ 130,000, WHO: US\$ 130,000

Research:

1994 Eutrophication and Plankton Blooms

FAO: US\$ 40,000, WHO: US\$ 30,000, IOC: US\$ 30,000

1995 Eutrophication and Plankton Blooms

FAO: US\$ 38,000, WHO: US\$ 28,000, IOC: US\$ 28,000, WMO: US\$ 6,000

Other Research 1994

FAO: US\$ 25,000, WHO: US\$ 30,000, WMO: US\$ 15,000, IAEA: US\$ 15,000, IOC: US\$ 15,000

Other Research 1995

FAO: US\$ 25,000, WHO: US\$ 30,000, WMO: 15,000, IAEA: US\$ 15,000, IOC: USD 15,000

Agenda item 7: Preparation of MED POL - PHASE III

44. The Committee discussed and prepared a draft scheme showing the basic elements as well as a possible strategy for the PHASE III of MED POL. The scheme is attached as Annex VI to this report. It was agreed that each Agency would send to MEDU the texts relative to the components of the programme described in the scheme by the end of January 1994. MEDU would then prepare a draft document by the end of February 1994. The document would be prepared for the Meeting on MED POL - PHASE III to be held in April in Turkey and subsequently for the Joint Committees' Meeting of October 1994.

Agenda item 8. Preparation of expert meeting on the formulation of MED POL - PHASE III Programme

45. In connection with the meeting on the formulation of MED POL - PHASE III for which the government of Turkey offered to be the host country and to sponsor the participation of a number of experts, the Committee agreed to propose to Turkey to hold the meeting from 18 to 21 April 1994. The draft document on MED POL - PHASE III, prepared according to the procedure described under agenda item 7, would be the main working document and it should be then commented upon by the participants.

Agenda item 9. Preparation of Joint Committees Meeting

46. The Committee agreed that, in addition to the document on PHASE III which would be the main working document, the following were the technical documents which could be prepared for the Meeting:

- assessment of eutrophication and plankton blooms;
- assessment of pollution by anionic detergents;
- assessment of pollution by copper and zinc;
- guidelines for the construction of submarine outfalls; and
- guidelines for the treatment of effluents for substances of annex I and II of LBS.

Agenda item 10. Other business

47. On 9 December 1993, Ms E. Dowdeswell visited the Co-ordinating Unit and briefly met the participants at the IAAC Meeting.

48. It was agreed to hold the next IAAC Meeting in conjunction with the expert meeting in Turkey (see Agenda item 8). This would allow the IAAC members to analyze and process the comments made by the meeting on the draft PHASE III programme immediately after the meeting. The XXVII IAAC therefore would be held on 22-23 April 1994 and in addition to the finalization of the document on MED POL - PHASE III it should prepare the workplan and budget for the 1996-1997 activities.

Agenda item 11. Adoption of the Report

49. The report was unanimously adopted on Friday 10 December 1993.

Agenda item 12. Closure of the Meeting

50. The Deputy Co-ordinator after thanking the participants for the constructive work closed the Meeting on Friday 10 December 1993 at 12,30 hours.

ANNEX I

LIST OF PARTICIPANTS

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ANNEX II

AGENDA

1. Opening of the meeting
2. Adoption of the Agenda
3. Review of 1993 activities and workplan and timetable for 1994-1995 activities
 - 3.1. Monitoring
 - 3.2. Pilot monitoring exercises
 - 3.3. Data quality assurance, intercalibration and maintenance
 - 3.4. Reporting forms
 - 3.5. Reference methods
 - 3.6. Data processing
 - Procedures for analysis of incoming data
 - Use of results of Data quality assurance and intercalibration
 - Statistical analysis and graphic presentation of data
 - 3.7. Meetings/training workshops
 - 3.8. Workplan for LBS implementation
 - 3.9. Research projects
 - 3.10. MAP Technical Reports Series
 - 3.11. Climatic changes
 - 3.12. Coastal Areas Management Programmes (CAMP)
4. Review of decisions of Eighth Ordinary Meeting of the Contracting Parties to the Convention for the Protection of the Mediterranean Sea against Pollution and its related Protocols (Antalya, Turkey, 12-15 October 1993)
5. Preparation of a new project document
6. Budget for 1994-1995 activities
7. Preparation of the MED POL - PHASE III Programme
8. Preparation of expert meeting on the formulation of MED POL - PHASE III Programme
9. Preparation of Joint Committees Meeting
10. Other business
11. Adoption of the report
12. Closure of the meeting

ANNEX III

LIST OF DOCUMENTS

- List of participants
- Draft Agenda
- UNEP(OCA)/MED WG.77/Inf.1 Status of MED POL Monitoring Agreements/Reports as of December 1993
- UNEP(OCA)/MED WG.77/Inf.2 MED POL Meetings 1992-1993
- UNEP(OCA)/MED WG.77/Inf.3 Workplan for LBS Implementation (1985-1995)
Indicative Workplan and timetable for the formulation of programme and measures in terms of Articles 4, 5, 6, 7 and 13 of the LBS Protocol from 1988 to 1995 (based on the calendar adopted by the Contracting Parties in 1985 and 1991)
- ..
- Research Projects
- MAP Technical Report Series Volumes
- Tasks from CP Meeting Report, Antalya, 12-15 October 1993

ANNEX IV

1994-1995 MED POL MEETINGS

a) MED POL MEETINGS TO BE HELD IN 1994

Meeting	Place	Date	Responsible Agency	No. of Partic.	Amount Allocated
1. Consultation meeting on Croatian monitoring programme	Zagreb	2-4 Feb	UNEP	15	7,500
2. First meeting of the Task Team on implications of climatic changes in the coastal region of Albania	Tirana	23-25 March	UNEP	15	-
3. National training course on determination of microbiological pollution	Rabat	April	WHO	10-15	10,000
4. Consultation meeting on the formulation of MED POL-PHASE III	Turkey	18-21 April	UNEP	16	15,000 ¹
5. Inter-Agency Advisory Committee (IAAC) meeting on MED POL	Turkey	22-23 April	UNEP	10	-
6. Second meeting of the Task Team on implications of climatic change for Fuka-Matruh region	Cairo	June	UNEP	15	-
7. Second meeting of the Task Team on implications of climatic changes for Albanian coastal region	Tirana	June (tentative)	UNEP	15	-
8. Meeting of Government designated Experts on the preparation of guidelines for dumping of sewage sludge and dredging spoils	?	?	UNEP	30	10,000 ²

¹ Additional US\$ 15,000 offered by Turkey

² Additional funds necessary

Meeting	Place	Date	Responsible Agency	No. of Partic.	Amount Allocated
9. National training workshop on monitoring of chemical contaminants using marine organisms	Athens (tentative)	September (tentative)	FAO/IAEA/UNEP	20-25	10,000
10. National training course on determination of microbiological pollution	Turkey	September	WHO	10-15	10,000
11. Workshop on determination of Polyaromatic hydrocarbons (PAHs) and other contaminants in sediments	Mitilini	September	IAEA/IOC/UNEP	10	15,000
12. Meeting of experts on airborne pollution	Barcelona	September/October	WMO/UNEP	20	25,000
13. Training course on identification and quantification of algal toxins	Bremen (Germany)	October	IOC/WHO/FAO/State of Bremen	12	15,000 ¹
14. Third meeting of the Task Team on implications of climatic change for Fuka-Matruh region	Fuka	October (tentative)	UNEP	15	-
15. Third meeting of the Task Team on implications of climatic changes for Albanian coastal region	Tirana	October (tentative)	UNEP	15	-
16. National training workshop on monitoring of chemical contaminants using marine organisms	?	October (tentative)	FAO/IAEA/UNEP	20-25	15,000
17. National training course on determination of microbiological pollution	Athens	October	WHO/UNEP	10-15	5,000

1 Additional US\$ 55,000 from various sources.

Meeting	Place	Date	Responsible Agency	No. of Partic	Amount Allocated
18 Joint Meeting of the Scientific and Technical Committee and the Socio-economic Committee	Athens	17-21 October	UNEP	40	98,000
19 National training workshop on monitoring of chemical contaminants using marine organisms	?	November (tentative)	FAO/IAEA/UNEP	20-25	15,000
20 Evaluation of the LBS Survey	Athens	November	WHO/UNEP	5	10,000

b) MED POL MEETINGS TO BE HELD IN 1995

Meeting	Place	Date	Responsible Agency	No. of Partic.	Amount Allocated
2 Consultation meeting on microbiological monitoring of recreational and shellfish growing water	Malta	May	WHO/UNEP	15-20	25,000
1. Inter-Agency Advisory Committee (IAAC) Meeting on MED POL	Athens	September			-
3. Training and intercalibration exercise on airborne pollution monitoring	Italy	November	WMO/UNEP	15	25,000

ANNEX V

WORKPLAN FOR LBS IMPLEMENTATION
(1985 - 1995)

Indicative Workplan and timetable for the formulation of programme
and measures in terms of Articles 4, 5, 6, 7 and 13
of the LBS Protocol from 1988 to 1995

(based on the calendar adopted by the Contracting Parties
in 1985 and 1991)

Categories:

- a) items which should be considered for the preparation of an assessment;
- b) items which should be considered for the preparation of a revision of the existing assessment;
- c) items for which the opinion of experts was necessary before deciding on whether to proceed with the preparation of an assessment;
- d) items which should not be considered for the preparation of an assessment.

Actions	Relevance to the Protocol	Responsible Agencies	Original target date	Present status
1. Assessment of the state of pollution in the Mediterranean Sea by persistent synthetic materials which may float, sink or remain in suspension, and proposed measures	Article 5; Annex I	UNEP/MEDU, IOC, FAO	Dec. 1988	Adopted by C.P. 1991 MTS No 50 Cat. d)
2. Assessment of the state of pollution in the Mediterranean Sea by organophosphorus compounds and proposed measures	Article 5; Annex I	UNEP/MEDU, FAO	Dec. 1988	Adopted by C.P. 1991 MTS No 58 Cat. d)
3. Assessment of the state of pollution in the Mediterranean Sea by organotin compounds and proposed measures	Article 5; Annex I	UNEP/MEDU, FAO	Dec. 1988	Adopted by C.P. 1989 MTS No 33 Cat. d)
4. Completion and revision of the list of substances included in the groups contained in annexes I and II to the Protocol	Annexes I, & II	UNEP/MEDU, All Agencies	Dec. 1988	Continuously covered in the assessments
5. Evaluation of <u>in situ</u> investigations on selected submarine outfalls to determine their efficiency and cost-effectiveness	Article 7, para 1(a)	UNEP/MEDU, WHO	Dec. 1988	Document prepared as part of the guidelines (see 21.) and being edited. To be finalized by December 1993. To be presented at STC 1994

Actions	Relevance to the Protocol	Responsible Agencies	Original target date	Present status
6. Survey of the situation currently existing with regard to products, installations and other processes within the region actually or potentially causing significant pollution of the marine environment	Article 7, para 1(d)	UNEP/MEDU, WHO, UNIDO	Dec. 1988	Pending results of MED X bis
7. Preparation of draft Annex IV Protocol concerning pollution from land-based sources transported by the atmosphere	Article 4	UNEP/MEDU, WMO	Dec. 1988	Annex IV adopted by C.P. 1991
8. Assessment of the state of pollution in the Mediterranean Sea by radioactive substances and proposed measures	Article 5; Annex I	UNEP/MEDU, IAEA	Dec. 1989	Adopted by C.P. 1991. MTS No 62 Cat. d)
9. Assessment of the state of pollution in the Mediterranean Sea by substances proven carcinogenic, teratogenic or mutagenic and proposed measures	Article 5; Annex I	UNEP/MEDU, WHO	Dec. 1989	Adopted by C.Ps, October 1993. To be published in MTS. Cat. b) by 1997
10. Assessment of the present state of pollution in the Mediterranean Sea by pathogenic microorganisms and proposed measures	Article 6; Annex II	UNEP/MEDU, WHO	Dec. 1989	Adopted by C.P. 1991. To be published as MTS. Cat. b) by 1997
11. Compilation and evaluation of already existing international experience of use of alternative products and processes. In this regard, experiences on recycling and re-use of solid and liquid wastes will be taken into account	Article 7; para 1(d)	UNEP/MEDU, WHO, UNIDO	Dec. 1989	Activity postponed indefinitely.
12. Assessment of the state of pollution by crude oils and hydrocarbons of any origin and proposed measures	Article 6; Annex II	UNEP/MEDU, IOC	Dec. 1990	Postponed. Cat. b) by 1995
13. Assessment of the state of pollution in the Mediterranean Sea by zinc and copper with proposed measures	Article 6; para 1(a)	UNEP/MEDU, FAO	Dec. 1990	First draft submitted to STC 93. New to STC 94. Cat. a)
14. Assessment of the present state of pollution in the Mediterranean Sea by chromium with proposed measures	Article 6, para II	UNEP/MEDU, FAO	Dec. 1990	Draft ass. ready. Needs improvement. Cat. a) New to STC 1996
15. Assessment of the present state of pollution in the Mediterranean Sea by nickel with proposed measures	Article 6, para II	UNEP/MEDU, FAO	Dec. 1990	Draft ass. ready. Needs improvement. Cat. a) New to STC 1996

Actions	Relevance to the Protocol	Responsible Agencies	Original target date	Present status
16. Assessment of the present state of pollution in the Mediterranean Sea by arsenic with proposed measures	Article 6, Annex II	UNEP/MEDU, FAO	Dec. 1990	Draft ass. ready. Needs improvement. Cat. a) New to STC 1996
17. Assessment of the present state of pollution in the Mediterranean Sea by lead with proposed measures	Article 6, Annex II	UNEP/MEDU, FAO	Dec. 1990	Draft ass. ready. Needs improvement. Cat. a) New to STC 1996
18. Identification and categorisation of alternative products, installations and other processes capable of reducing pollution of the Mediterranean marine environment	Article 7, para 1(d)	UNEP/MEDU, WHO, UNIDO	Dec. 1990	Activity integrated with 11. above
19. Assessment of the present state of pollution in the Mediterranean Sea by inorganic compounds of phosphorus and elemental phosphorus and proposed measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1991	Ass. as part of 27.
20. Assessment of the state of pollution in the Mediterranean Sea by non-biodegradable detergents and other surface-active substances and proposed measures	Article 6; Annex II	UNEP/MEDU, WHO	Dec. 1991	Pilot project completed end 1992. Consult. in Oct. 1993. Assessment in 1994. Cat. a)
21. Assessment of the present state of pollution in the Mediterranean Sea by thermal discharges and proposed measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1991	Postponed. Cat. d)
22. Common guidelines for the determination of the length, depth and position of pipelines for coastal outfalls, taking into account, in particular, the methods used for pre-treatment of effluents	Article 7, para 1(a)	UNEP/MEDU, WHO, UNIDO	Dec. 1991	Document ready. To be presented at STC 1994 (includes 5.)
23. Compilation of a Mediterranean inventory of effluents requiring special and/or separate treatment including type, category, amount, locality and existing treatment, if any, together with, wherever possible, those local characteristics influencing the effects of such effluents on the marine environment and the feasibility of separate and/or special treatment	Article 7, para 1(b)	UNEP/MEDU, WHO, UNIDO	Dec. 1991	Pending results of MED X bis

Actions	Relevance to the Protocol	Responsible Agencies	Original target date	Present status
24. Formulation of draft common guidelines, standards and criteria for special requirements for effluents necessitating separate treatment	Article 7, para 1(b)	UNEP/MEDU, WHO	Dec. 1991	Guideline in edit. Compl. by Feb. 1994
25. Survey on the yield and the cost/benefit of the application of alternative products and processes	Article 7, para 1(d)	UNEP/MEDU, WHO	Dec. 1991	Integrated with 11. above
26. Assessment of the present state of pollution in the Mediterranean Sea by acid or alkaline compounds of such composition and in such quantity that they may impair the quality of seawater and proposed measures	Article 6, Annex II	UNEP/MEDU, WHO	Dec. 1992	Postponed. Cat. d)
27. Assessment of the present state of pollution in the Mediterranean Sea by substances which have, directly or indirectly, an adverse effect on the oxygen content of the marine environment, especially those which may cause eutrophication and proposed measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1992	First draft of Ass. of eutrophication and plankton blooms prepared. Document to be prepared for STC 94. Cat. a)
28. Assessment of the present state of pollution in the Mediterranean Sea by titanium, cobalt, silver, boron, beryllium, selenium and thallium with proposed measures	Article 6; Annex II	UNEP/MEDU, FAO/IAEA	Dec. 1992	Postponed. Cat. c)
29. Assessment of the present state of pollution in the Mediterranean Sea by cyanides and fluorides and proposed measures	Article 6; Annex II	UNEP/MEDU, WHO	Dec. 1993	Ass. to be prepared for STC 1996. Cat. a)
30. Assessment of the present state of pollution in the Mediterranean Sea by substances which, though of a non-toxic nature, may become harmful to the marine environment or may interfere with any legitimate use of the sea owing to the quantities in which they are discharged and proposed measures	Article 6; Annex II	UNEP/MEDU, IMO	Dec. 1993	Cat. d)
31. Assessment of the present state of pollution in the Mediterranean Sea by organosilicon compounds and substances which may form such compounds in the marine environment, excluding those which are biologically harmless or are rapidly converted into biologically harmless substances and proposed measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1993	Deleted from Annex II. Cat. d)

Actions	Relevance to the Protocol	Responsible Agencies	Original target date	Present status
32. Assessment of the present state of pollution in the Mediterranean Sea by antimony, tin, barium, uranium, tellurium, molybdenum and vanadium with proposed measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1994	Postponed. Cat. d)
33. Assessment of the present state of pollution in the Mediterranean Sea by substances which have a deteious effect on the taste and/or smell of products for human consumption derived from the aquatic environment, and compounds liable to give rise to such substances in the marine environment and proposed measures	Article 6; Annex II	UNEP/MEDU, WHO	Dec. 1994	Cat. d)
34. Assessment of the present state of pollution in the Mediterranean Sea by herbicides and their derivatives not covered in Annex I and proposed Measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1994	Consult. in 1994. Ass. to be prepared for STC 1996 Cat. a)
35. Assessment of the present state of pollution in the Mediterranean Sea by fungicides and their derivatives not covered in Annex I and proposed Measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1994	Consult. in 1995. Ass. to be prepared for STC 1996 Cat. a)
36. Assessment of the present state of pollution in the Mediterranean Sea by other biocides other than fungides and herbicides and their derivatives not covered in Annex I and proposed Measures	Article 6; Annex II	UNEP/MEDU, FAO	Dec. 1994	Cat. c)
37. Assessment of the airborne pollution of the Mediterranean Sea by heavy metals and acidifying compounds	Annex IV	UNEP/MEDU, WMO	Dec. 1993	To be prepared by the end of 1994 Cat. a)
38. Assessment of the present state of the Mediterranean Sea by organohalogen compounds and proposed measures	Article 5 Annex I	UNEP/MEDU, FAO	Dec. 1990	To be prepared for STC 1996 Cat. b)

ANNEX VI

DRAFT GRAPHIC REPRESENTATION OF MED POL - PHASE III

Draft Graphic Representation of MED POL - PHASE III

