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XV Meeting of the Inter-agency Advisory
Committee (IAAC) for MED POL

Athens, 12-14 April, 1983

M I N U T E S

INTRODUCTION

1. The meeting was convened by the Co-ordinating Unit for the Mediterranean Action Plan in collaboration with the Regional Seas Programme Activity Centre of UNEP. All the Co-operating Agencies (FAO, WHO, WMO, IOC, UNESCO and IAEA) were invited to attend the meeting.
2. Five representatives of International Organizations, as well as UNEP, attended the meeting (see List of Participants, annex I).

Agenda item 1 - Opening of the Meeting

3. Mr. A. Manos, Co-ordinator of the Mediterranean Action Plan, opened the meeting and welcomed the participants. He called the attention of the Committee to the discussions that had taken place at the Third Meeting of the Contracting Parties (Dubrovnik, 28 February - 4 March 1983) on the involvement of the Co-operating Agencies in MED POL. While the meeting expressed an interest in maintaining their long-standing involvement, several delegates had expressed concern at the funding provided by the Trust Fund for activities which ought to be funded through their regular budgets. There was a need for better communication and reporting on Agency activities and on their contributions to the Action Plan. The Bureau, on instruction from the Meeting, met in Athens on 7 - 8 April 1983 to review the programme in detail.
4. The Bureau decided that the present modalities of co-operation between the MED Unit and the Specialized Agencies should be re-examined by the secretariat in consultation with the Agencies. Guidelines to be used in this exercise:
 - Specialized Agencies should be invited to participate in projects of mutual interest whenever the work (or services) cannot be carried out by Co-ordinating Unit staff or consultants which could be contracted directly by the Unit.
 - Specialized Agencies with long-standing association with MAP should signify their interest for continued co-operation by reflecting it in their regular programme and budget.
5. In this context the Bureau recommended to retain support for the professional posts (WHO, FAO, IAEA) through to 1985, for the existing secretarial posts in 1983, and to limit the support in 1984 and 1985 to the IAEA Laboratory Assistant at Monaco and two locally recruited secretaries in Athens for FAO and WHO.

6. The Bureau also decided that the only official channel of communication on policy matters between the MAP National Focal Points (including the MED POL Co-ordinators) and the secretariat (UNEP) should be through the MED Unit.
7. Mr. Manos referred to the impending entry into force of the Land-based Sources Protocol, the publication of the Reports on the Pilot Phase of MED POL, the development of national monitoring programmes and the sound cash situation (\$1,500,000 in uncommitted funds), as four reasons for a revitalised MED POL programme
8. The representative of WHO confirmed the long-standing interest of his Organisation in the Mediterranean Action Plan, and stated that WHO's contribution from its own resources was continually increasing. He envisaged no problems in the formulation of administrative procedures to ensure optimum co-operation and efficiency which could be discussed at the appropriate level. He also confirmed however, that WHO could not accept the Bureau's recommendation regarding cuts in administrative support costs, which had been made in advance of the review between UNEP and Agencies requested by the Contracting Parties in Dubrovnik. UNEP would therefore have to take up the matter again with the Bureau after the WHO/UNEP review during which both WHO's contribution and requirements would be further clarified.
9. Mr. A. Manos promised to forward to the members of the Bureau all the views of the Co-operating Agencies on the matter of the administrative support.
10. Mr. A. Cruzado, Senior Marine Scientist of the Unit, introduced the Agenda and explained the major issues to be discussed at the XV session of the Inter-agency Advisory Committee (IAAC) for MED POL. The Agenda was adopted and is attached as annex II.

Agenda item 2 - Report by the secretariat on the progress achieved in the implementation of the national monitoring programmes.

11. Mr. A. Cruzado reported on the status of development of the monitoring programmes in the various Mediterranean countries. He informed the Committee that National Co-ordinators had been nominated in all countries, with the exception of Syria and Libya. An upto-date list of National Co-ordinators is attached as annex III to these Minutes. Further contacts and visits had been made, and as a result, national monitoring programmes had been finalized and signed with Cyprus and Yugoslavia. Monitoring programmes had also been received from Lebanon, Malta, Turkey and Morocco, as well as from Spain and France although not in the requested form. The National Co-ordinators from Israel, and Tunisia announced also that they would soon be in a position to forward their relevant programmes. In the other countries, namely, Algeria, Egypt, Greece, Italy, Libya, Monaco and Syria, no significant progress had been made and further contacts and visits were planned by the Unit's staff

Agenda item 3 - Report on the activities carried out by each Co-operating Agency

12. The representatives of the Co-operating Agencies reported on the progress achieved in the implementation of the activities listed in the workplan for 1983 (annex VI to UNEP/IAAC-XIV/3). In particular, the status of preparation of the Reference Methods for Pollution Studies and the development of the research activities were analysed. As a result, two up-to-date tables, containing all the relevant information, were prepared: a list of all research proposals (annex IV) as well as a list of guidelines and Reference Methods for marine pollution studies (appendix to annex V).
13. In stressing the need for better communications between UNEP and the Co-operating Agencies, the secretariat brought to the attention of the Committee the six-monthly report on the activities implemented that each Co-operating Agency had to prepare and send to UNEP. To this effect, a standard form outlining the content of the report was circulated.
14. In connexion with the Second Meeting of the Working Group for Scientific and Technical Co-operation, scheduled for September 1983, the Co-operating Agencies were asked to prepare by the end of May 1983 ad hoc substantive reports to enable UNEP to compile a comprehensive report on the activities implemented by the Co-operating Agencies within the framework of the Mediterranean Action Plan.
15. Mr. Keckes emphasized that the final reports summarizing the results of MED POL - PHASE I had not been completed yet and stressed that this had to be done urgently.
16. In this connexion the secretariat reported on the preparation of those documents. In particular, the "Programme Description" had been completed and a sample was circulated to the Committee. The "Final Report", a copy of which was distributed, was reported as still needing inputs from some of the Agencies. The representative of IAEA informed that, as to the project on intercalibration (MED POL XI), the material at present in the report could still be updated, while the representative of FAO announced that the final reports on the four projects co-ordinated by FAO (MED POL II - V) had taken into account the individual reports of the participating scientists and that no further work was considered necessary. The representatives of IOC/UNESCO and WHO also noted that the reports on, respectively, MED POL I and VI, and VII, would be updated. The draft version of the "Individual Reports of the Participants in MED POL" was not yet ready for distribution and all Agencies agreed to send a copy of each individual report to the relevant scientist to check its content before the final printing. The representative of IOC/UNESCO was also requested to finalize the DRIFTEX report as soon as possible.

Agenda item 4 - Revision of the workplan/timetable and budget for 1983

17. The workplan and timetable attached to project document ME/0503-81-01/ Rev.3 were analyzed and updated (see annex V) and a relevant budget prepared accordingly (see annex VI) on the basis of the recommendations of the Bureau of the Contracting Parties (appendix to annex VI).
18. As to item 7 of the workplan, the secretariat asked the representative of IOC to provide detailed information on the way the intercalibration exercise was planned to be implemented and the relevant cost proposed to the Mediterranean Trust Fund. Further formal contacts with IOC were felt necessary.

Agenda item 5 - Preparation of the workplan/timetable and budget for 1984 and 1985

19. Mr. Cruzado presented a proposed budget breakdown for 1984 and 1985 activities (see annex VII) which had been approved by the Bureau of the Contracting Parties at its last meeting in April. He also asked the representatives of the Co-operating Agencies to send to Med Unit by the end of May a detailed workplan for 1984-1985 activities, especially for the implementation of research proposals and the intercalibration exercise. This information would be needed for submission by Med Unit to the II WGSTC meeting to be held in September 1983.
20. The representative of WHO informed the meeting that his Organization would not be able to continue its participation in MED POL with the administrative support provisions contained in the draft budget for 1984/1985.

Agenda item 6 - Workshop on the problems created by the abnormal apparently pollution-induced blooms of jelly-fish

21. Mr. Cruzado informed the Committee of the intention of convening a Workshop (October/November 1983) on the problems created by blooms of jelly-fish in the Mediterranean. He distributed a copy of a letter sent to all MED POL National Co-ordinators announcing the Workshop and listing the subject items to be dealt with at the Workshop. He also inquired about the interest the Co-operating Agencies may have in the organization of the Workshop.
22. UNESCO expressed an interest in the subject and agreed to collaborate in gathering relevant scientific information to establish a basis on which, subsequently, a programme may be developed for studies to improve the knowledge of mechanisms governing mass occurrence of jelly-fish in the Mediterranean. Subject to availability of funds UNESCO would thus: gather data and information on the subject and assist in organizing the Workshop if the information warrants a gathering of scientists.
23. The representative of WHO also expressed the interest of his Agency in assisting in the organization of the Workshop and in the possible follow-up programme.

24. The representative of FAO, while expressing the will of his organization to provide Med Unit with all the available technical documents and names of competent experts, informed the Committee that FAO could not assist in the organization of the Workshop.

Agenda item 7 - Other matters

25. The representative of WHO brought up the matter of press releases and general public information on the Mediterranean Action Plan, claiming that in some occasions insufficient or incorrect information had been given on Agency participation. The secretariat stated that they were not aware of any shortcoming but would ensure correct coverage.

Agenda item 8 - Adoption of the Minutes and closure of the Meeting

26. The draft minutes of the meeting covering agenda items 1-5 and all the Annexes were unanimously adopted by the Committee. The Meeting was closed at 13,00 hours on 14 April 1983.

ANNEX I

List of Participants

FAO

Mr. H. Naeve
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IOC/UNESCO

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WHO

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WHO Senior Scientist
WHO/EURO Project Office
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IAEA

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Director
International Laboratory for Marine
Radioactivity
International Atomic Energy Agency
Musée Océanographique
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MONACO

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UNEP

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ANNEX II

Agenda

1. Opening of the Meeting.
2. Report by the secretariat on the progress achieved in the implementation of the national monitoring programmes.
3. Report on the activities carried out by each Co-operating Agency up to March 1983.
4. Revision of the workplan, timetable and budget for 1983.
5. Preparation of the workplan/timetable and budget for 1984 and 1985 activities.
6. Workshop on the problems created by the abnormal apparently pollution-induced blooms of jelly-fish.
7. Other matters.
8. Adoption of the Minutes and closure of the meeting.

ANNEX III

Updated List of National Co-ordinators as at
April 1983

- ALGERIA Monsieur Rachmid Semroud
 Coordonnateur National pour le MED POL
 Centre de Recherches Océanographiques
 et de Pêche
 Jetée Nord, B.P. 90
 Alger
- CYPRUS Dr. Andreas Demetropoulos
 National Co-ordinator for MED POL
 Head, Department of Fisheries
 Ministry of Agriculture and National
 Resources
 Tagmatarchou Pouliou 5-7
 Nicosia
- EGYPT Professor Aboul Fetuh Abdel Latif
 Deputy President
 Academy of Scientific Research
 and Technology
 National Co-ordinator for MED POL
 101 El-Kasrl-el-Eny Street
 Cairo
- EEC Monsieur Jacques Vaccarezza
 Coordonnateur National pour le MED POL
 Administrateur Principal
 Gestion des eaux -DG XI
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 1049 Bruxelles
- FRANCE Monsieur Michel Dupré
 Coordonnateur National pour le MED POL
 Chargé de Mission à la Direction de la
 Prévention des Pollutions
 Ministère de l'Environnement et du Cadre
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 14 Bld. du Général Leclerc
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- GREECE Ms. Athina Mourmouris
 National Co-ordinator for MED POL
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 and Environment
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National Co-ordinator for MED POL
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LEBANON Monsieur Joseph Naggear
Président du Conseil national de la
Recherche scientifique
Coordonnateur National pour le MED POL
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National Co-ordinator for MED POL
Department of Health
Occupational Health Services
Bighi
Kalkara

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Délégué Permanent auprès des
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 c.c. M.A. Vatrican
 Secrétaire Général
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MOROCCO Monsieur Mohamed Maliti
Coordonnateur National pour le MED POL
Chef de la Division Environnement
Ministère de l'Habitat et de l'Aménagement
du Territoire
Rabat-Chellah

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TURKEY Ms. Aydan Bulca
 National Co-ordinator for MED POL
 Head of the International Relations Department
 Undersecretariat for Environment
 Office of the Prime Minister
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TUNISIA Monsieur Salem Hadj Ali
 Coordonnateur National pour le MED POL
 Directeur
 Institut national scientifique et technique d'Océanographie
 et de Pêche
 Salammo
 Tunis

YUGOSLAVIA Dr. Ljubomir Jeftic
 National Co-ordinator for MED POL
 Director
 Department of Planning and Environmental Protection in the
 Commission for the Adriatic, and Committee for Building,
 Housing, Public Works and Environmental Protection of the
 Socialist Republic of Croatia
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ANNEX IV

MED POL - PHASE II
Research Activities

A. Research Proposals cleared

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
CYP	1	J	A.Demetropoulos/Nicosia	FAO	4,500	cleared
EGY	4	G	A.K.H.El-Sebae/Alexandria	FAO	4,000	cleared
EGY	7	K	I.H.El-Sokkary/Alexandria	FAO	3,000	cleared
EGY	3	K	F.El-Sharkawi/Alexandria	WHO	5,000	cleared
FRA	2	I	D.Bellan-Santini/Mars.	FAO	Free	cleared
FRA	3	I	G.Stora/Marseille	FAO	Free	cleared
FRA	6	K	N.Vicente/Marseille	FAO	1,000	cleared
FRA	1	G	R.Kaim-Malka/Marseille	FAO	Free	cleared
FRA	5	L	P.Buat-Menard/Gif-sur-Yv.	IAEA/WMO	Free	cleared
FRA	7	L	A.Monaco/Perpignan	IOC	9,860	cleared
GRE	1	F	J.Ganoulis/Thessaloniki	IOC	3,400	cleared
GRE	4	L	M.J.Scoullos/Athens	IOC	6,800	cleared
GRE	2	G	M.Moraitou-Apostolopoulou/Ath	FAO	Free	cleared
ISR	7	G	E.Nevo/Haifa	FAO	4,000	cleared
ISR	6	D	H.I.Shuval/Jerusalem	WHO	10,000	cleared
ITA	30	K	G.R.De Renzi/Rome	WHO	Free	cleared
ITA	28	K	G.Bronzetti/Pisa	WHO	3,000	cleared
ITA	31	G	A.Viarengo/Genova	FAO	3,000	cleared
ITA	13	J	E.Taramelli-Rivosecchi/Rome	FAO	500	cleared

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
ITA	24	I	G.Cognetti/Pisa	FAO	1,000	cleared
ITA	21	G	L.Dalla Venezia/Venice	FAO	1,500	cleared
ITA	8	I	M.Sara/Genova	FAO	2,000	cleared
ITA	6	K	S.De Flora/Genoa	WHO	3,000	cleared
ITA	23	F	E.Salusti/Roma	IOC	3,600	cleared
ITA	22	I	S.Di Geronimo/Catania	FAO	4,000	cleared
ITA	29	A	L.Villa/Rome	WHO	5,500	cleared
ITA	1	K	M.Bernhard/Rome	FAO	Free	cleared
ITA	7	I	G.Zurlini/Rome	FAO	Free	cleared
ITA	16	L	T.La Noce/Rome	IOC	Free	cleared
ITA	25	K	A.Renzoni/Siena	FAO	2,500	(cleared - (combined with (No. 36
ITA	36	K	A.Renzoni/Siena	FAO		(cleared - see (No. 25
MAL	1	G	V.Axiak/Malta	FAO	3,000	cleared
SPA	3	D	G.Piera/Badalona	WHO	3,000	cleared
SPA	2	A	F.Lucena-Gutierrez/Badal.	WHO	4,000	(cleared - (combined with (No. 4
SPA	4	A	F.Lucena-Gutierrez/Badal.	WHO		(cleared - see (No. 2
TUN	4	H	M.S.Hadj Ali/Tunis	FAO	3,000	cleared
TUN	2	A	A.Chadli/Tunis	WHO	3,000	cleared
TUN	3	K	S.Jekov/Tunis	WHO	2,000	cleared

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
TUR	3	K	I.Salihoglu/Erdemli	FAO	2,000	cleared
TUR	7	I	A.Kocatas/Izmir	FAO	2,500	cleared
TUR	5	G	H.Bagci/Ankara	FAO	4,000	cleared
TUR	1	F	U.Unluata/Erdemli	IOC	7,000	(cleared - (combined with (No. 2
TUR	2	F	E.Ozsoy/Erdemli	IOC		(cleared - see (No. 1
YUG	3	H	I.Marasovic/Split	FAO	3,000	cleared
YUG	5	G	M.Tudor/Split	FAO	3,000	cleared
YUG	6	F	M.Gacic/Split	IOC	8,000	cleared
YUG	19	I	D.Zavodnik/Rovinj	FAO	3,000	cleared
YUG	20	K	D.Fuks/Rovinj	WHO	3,000	cleared
YUG	21	G	M.Ozretic/Rovinj	FAO	3,000	cleared
YUG	23	G	M.Gasic/Titograd, Kotor	FAO	3,000	cleared
YUG	2	I	D.Regner/Split	FAO	2,000	cleared
YUG	7	I	A.Benovic/Split	FAO	2,000	cleared
YUG	24	H	N.Fanuko/Ljubljana	FAO	2,500	cleared

B. Research Proposals subject to discussions with National Co-ordinators

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
ITA	12	F	P.Malanotte Rizzoli/Venice	IOC		(to be discussed (with National Co-ordinator
ITA	5	F	F.Stravisi/Trieste	IOC		(to be discussed (with National Co-ordinator
ITA	14	L	L.Tassi Pelati/Parma	IAEA		(to be discussed (with National Co-ordinator
ITA	27	G	V.Albergoni/Padova	FAO		(to be discussed (with National Co-ordinator
ITA	32	L	R.Frache/Genova	IAEA		(to be discussed (with National Co-ordinator
ITA	35	L	F.Costa/Venice	IOC		(to be discussed (with National Co-ordinator
YUG	10	L	V.Pravdic/Zagreb	IAEA		(to be discussed (with National Co-ordinator.
YUG	11	K	M.Branica/Zagreb	IAEA		(to be discussed (with National Co-ordinator
GRE	5	A	G.P.Gabrielides/Athens	WHO		(to be submitted (to WGSTC
ITA	19	A	M.Gallorini/Pavia	IAEA		(to be submitted (to WGSTC
ITA	18	A	G.C.Pappalardo/Catania	IOC		(to be submitted (to WGSTC
ITA	33	F	R.Santangelo/Modena	IOC		(to be submitted (to WGSTC
TUR	4	A	I.Salihoglu/Icel	IAEA		(to be submitted (to WGSTC
YUG	9	A	V.Valkovic/Zagreb	IAEA		(to be submitted (to WGSTC
YUG	8	H	V.Zutic/Zagreb	FAO		(to be submitted (to WGSTC
YUG	13	H	T.Legovic/Zagreb	FAO		(to be submitted (to WGSTC
YUG	15	F	M.Kuzmic/Zagreb	IOC		(to be submitted (to WGSTC
YUG	17	A	M.Branica/Zagreb	IOC		(to be submitted (to WGSTC

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
YUG	18	A	B.Cosovic/Zagreb	IOC		(to be submitted (to WGSTC
YUG	14	A	B.Kurelec/Zagreb	WHO		(to be submitted (to WGSTC
TUR	8	H	E.Ezdar/Izmir	FAO	3,200	(to be cleared (by UNEP
TUR	9	K	E.Ezdar/Izmir	FAO	2,800	(to be cleared (by UNEP

C. Research Proposals under negotiation

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
EGY	6	A	I.H.El-Sokkary/Alexandria	FAO		(to be used for testing methods)
EGY	9	A	M.F.Macklad/Alexandria	FAO		(to be used for testing methods)
ISR	5	A	B.S.Krumgalz/Haifa	FAO		(to be used for testing methods)
ISR	2	A	B.S.Krumgalz/Haifa	IAEA		(to be used for testing methods)
ITA	10	A	R.Capelli/Genova	FAO		(to be used for testing methods)
SPA	1	A	M.Gassiot-Matas/Barcel.	FAO		(to be used for testing methods)
SPA	5	A	J.Obiols/Barcelona	FAO		(to be used for testing methods)
YUG	16	A	M.Picer/Zagreb	FAO		(to be used for testing methods)
ALG	1	A	A.Chouichi/Alger	UNESCO		negotiating
ALG	2	D	S.Krim/Alger	WHO		negotiating
ALG	3	G	K.Bensalah/Alger	FAO		negotiating
ALG	4	H	F.Aid/Aissi/Alger	FAO		negotiating
EGY	1	H	H.A.Sultan/Alexandria	FAO		negotiating
EGY	8	L	M.F.Macklad/Alexandria	IOC		negotiating
EGY	5	I	Y.Halim/Alexandria	FAO		negotiating
FRA	4	L	A.Arnoux/Marseille	UNESCO		negotiating
GRE	3	I	A.J. Zarkanellas/Athens	FAO		negotiating
GRE	7	G	J.Castrisi-Catharios/Ath	FAO		negotiating
GRE	6	F	A.Lascaratos/Athens	IOC		negotiating

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
ISR	1	L	A.Golik/Haifa	IOC		negotiating
ISR	4	K	B.S.Krumgalz/Haifa	FAO		negotiating
ITA	3	L	O.Hieke Merlin/Milano	IAEA		negotiating
ITA	4	L	L.Santomauro/Milano	WMO		negotiating
ITA	17	L	A.Palumbo/Napoli	WMO		negotiating
ITA	26	I	G.Albertelli/Genova	FAO		negotiating
ITA	34	L	R.Cecchi/Modena	WMO		negotiating
ITA	37	L	A.A.Orio/Venice	IOC		negotiating
LEB	1	I	S.Lakkis/Beyrouth	FAO		negotiating
MON	1	F	R.Vaissiere/Monaco	IOC		negotiating
MON	2	I	R.Vaissiere/Monaco	FAO		negotiating
MON	4	L	R.Vaissiere/Monaco	IOC		negotiating
TUN	1	I	C.Capape/Tunis	FAO		negotiating
TUR	6	?	H.Uysal/Izmir	FAO		negotiating
YUG	22	K	N.Ajdacic/Titograd, Belgrade, Kotor	IAEA		negotiating
YUG	25	F	J.Faganeli/Ljubljana	IOC		negotiating

D. Research Proposals from Principal Investigators no longer participating

Country	Project No.	Acti- vity	Principal Investigator	Agency	Contrib. US\$	Remarks
ITA	2	F	M.Astral-di/La Spezia	IOC		returned
YUG	12	J	V.Pravdic/Zagreb	FAO		returned
EGY	2	Monit.	S.A.Wahby/ Alexandria			monitoring
ITA	9	Monit.	R.Ferrara/Pisa			monitoring
ITA	11	Monit.	S.Kanitz/Genova			monitoring
MON	3	Monit.	R.Vaissiere/Monaco			monitoring
YUG	1	Monit.	I.Vukadin/Split			monitoring
YUG	4	Monit.	S.Sobot/Split			monitoring
ITA	15		R. De Simone, CRN,Napoli			(No longer (participating
ISR	3	K	B.Cavari/Haifa	WHO		(temporary (withdrawn
ITA	20	L	I.Dagnino/Genova	WMO		withdrawn

ANNEX V

Workplan and Timetable
for the Implementation of MED POL - PHASE II
(January - December 1983)

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
1. Inter-Agency Advisory Committee Meetings (XV) April 1983 (XVI) September 1983	MED UNIT in collaboration with all Co-operating Agencies
2. Second meeting of Working Group for Scientific and Technical Co-operation September 1983	MED UNIT in collaboration with all Co-operating Agencies
3. Meeting of experts on the LBS Protocol to review matters related to the technical implementation of the Protocol ^{1/} December 1983	MED UNIT in collaboration with all Co-operating Agencies
4. Continuing processing and quality control of MED POL data Ongoing	MED UNIT and all Co-operating Agencies
5. Development and testing analytical and computational methods for monitoring the transport of pollutants to the Mediterranean Sea through the atmosphere	WHO and IAEA in consultation with MED UNIT
(i) the two BAPMON stations who obtained from WMO the high volume samplers will proceed with a daily sampling scheme. The station in France will analyze for Cd and eventually for Hg and Pb. Sixty samples (Cd, Hg, Pb) collected by the station in Yugoslavia will be selected and analyzed by ILMR. Reports from the two stations and from ILMR should be sent to MED Unit not later than 31 July 1983.	WMO and IAEA

^{1/} Not budgeted under MED POL

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
(ii) development of relevant sampling and analytical methods: <ul style="list-style-type: none">- sampling of aerosols and wet precipitation for analysis of chemical pollutants (to be prepared by WMO)<ul style="list-style-type: none">- June 1983- determination of selected trace metals in aerosols and in wet precipitation (to be prepared by IAEA)<ul style="list-style-type: none">- September 1983- determination of halogenated hydrocarbons in aerosols and in wet precipitation (to be prepared by IAEA)<ul style="list-style-type: none">- September 1983- sampling of dry deposition (its preparation to be discussed at XVI IAAC)	WMO and IAEA
(iii) preparation of back-trajectories on the two sampling stations mentioned under (i) <ul style="list-style-type: none">- 31 July 1983	WMO
(iv) preparation of a summary of meteorological information on the Mediterranean <ul style="list-style-type: none">- 31 July 1983	WMO
(v) preparation of comprehensive proposal for activities in 1984-1985 to be submitted to II WGSTC <ul style="list-style-type: none">- August 1983	WMO and MED Unit
6. Continued support to national research centres through common maintenance services for their analytical equipment <ul style="list-style-type: none">(i) regular maintenance to all research centres which received capital equipment through MED POL<ul style="list-style-type: none">- ongoing	IAEA under guidance of MED UNIT

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
(ii) ad hoc emergency visits - ongoing	
7. Support to national research centres in intercalibration of physical, chemical and microbiological methods and quality control of data	IAEA, WHO and IOC in consultation with MED UNIT and IOC/GEMSI as appropriate
(i) intercalibration of analytical methods for petroleum hydrocarbons - detailed workplan and budget to be submitted by IOC - April 1983	IOC in consultation with MED UNIT
(ii) preparation and testing of reference material (fish) for metals and organics - December 1983	IAEA
(iii) preparation of reference material (shrimp) for metals and organics - December 1983	IAEA
(iv) intercalibration of analytical methods for metals and organics - up-to-date list of participating labs to be sent by MED Unit - April 1983 - dispatch of sediment and mussel samples by IAEA - May 1983	IAEA and MED Unit
(v) intercalibration of bacteriological and related methods used in monitoring of recreational and shellfish growing waters - laboratory exercise (in english) to be organized in Athens for national scientists plus 4/5 additional participants - September 1983	WHO in consultation with MED UNIT

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
<ul style="list-style-type: none">- laboratory exercise (in french) to be organized in Barcelona for national scientists plus 4/5 additional participants- November 1983	
8. Assistance to national research centres through National Co-ordinators for the organization and implementation of the national monitoring programmes	MED UNIT in collaboration with all Co-operating Agencies
<ul style="list-style-type: none">(i) relevant agencies will assist, as appropriate, in the purchase of instruments and in the organization of training	
9. Compilation and printing of the Proceedings of VI ICSEM/IOC/UNEP Workshop on Pollution of the Mediterranean	MED UNIT in co-operation with ICSEM and IOC
<ul style="list-style-type: none">- finalization and typing of originals- June 1983- printing of proceedings- September 1983	
10. Development and testing sampling and analytical techniques for pollution monitoring and research and their formulation as reference methods for marine pollution studies	MED UNIT under the guidance of RS/PAC and in co-operation with relevant specialized agencies and selected national research centres
<ul style="list-style-type: none">- (see the Appendix to this Workplan)	
11. Development of reporting formats required according to the Dumping, Emergency and Land-Based Sources Protocols	MED UNIT in collaboration with relevant co-operating agencies
<ul style="list-style-type: none">(i) development of draft formats on the authorizations granted in accordance with articles 6 of the LBS Protocol	WHO/FAO/IAEA
<ul style="list-style-type: none">- July 1983	

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
(ii) development of draft formats for reporting the amounts of substances discharged in accordance with LBS Protocol as requested by article 13 - July 1983	WHO/FAO/IAEA
(iii) meeting of experts on LBS Protocol (See activity 3. above) - December 1983	
12. Formulation of scientific rationale for environmental quality criteria to be used in the development of emission standards, standards of use and of guidelines for the application for substances listed in Annexes I and II of the LBS Protocol	MED UNIT in collaboration with relevant Co-operating Agencies and in co-operation with selected national research centres
(i) draft definition of substances listed in Annexes I and II of LBS Protocol - July 1983	WHO
(ii) draft definition of substances listed in Annexes I and II of Dumping Protocol - July 1983	WHO
(iii) development of proposals for emission standards for selected substances listed in Annex II of LBS Protocol and for selected standards of use as requested by article 7 of the Protocol. Specifically: - guidelines and criteria for sanitary quality of recreational waters, for shellfish growing waters and for quality of seafood/mercury - July 1983 - meeting of experts on the LBS protocol (see activity 3. above) - December 1983	WHO/FAO/IOC

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
13. Epidemiological studies related to the confirmation/revision of the proposed environmental quality criteria for bathing water, shellfish-growing waters and edible marine organisms	WHO and FAO in co-operation with selected national research centres
(i) implementation of research proposals approved	
- January 1983 - December 1983	
(ii) submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research	
- September 1983	
14. Development of proposals for guidelines governing the application of the LBS Protocol as requested in article 7 of the Protocol	MED UNIT in collaboration with relevant Co-operating Agencies and in co-operation with selected national research centres
(i) formulation of draft guidelines and criteria for the length, depth and position of pipelines for coastal outfalls	WHO
- July 1983	
(ii) formulation of draft guidelines for the issuance of authorizations for the discharge of wastes containing substances referred to in Annex II or in section B of Annex I to the LBS Protocol	WHO
- July 1983	
(iii) formulation of draft guidelines for special requirements for effluents necessitating separate treatment	WHO/UNIDO
- July 1983	

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
(iv) formulation of draft guidelines for the control and progressive replacement of products, installations and industrial and other processes causing significant pollution of the marine environment - July 1983	WHO/UNIDO
(v) meeting of experts on LBS protocol (see activity 3. above) - December 1983	
15. Research on oceanographic processes, with particular emphasis on surface circulation and vertical transport	IOC in co-operation with selected national research centres
(i) gather information on ongoing work relevant to oceanographic processes playing a leading role in surface circulation and vertical transport of water masses - report to be submitted by August 1983	
(ii) harmonization of the various national and international efforts in the field - ongoing	
(iii) development of field measurements required for the continual upgrading of numerical models developed for the purpose of assessing pollutant-receiving capacity of coastal environment through the implementation of research proposals - implementation of research proposals approved - January - December 1983 - submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research - September 1983	

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
16. Research on toxicity, persistence, bioaccumulation, carcinogenicity and mutagenicity of selected substances listed in the Annexes of the LBS and Dumping Protocols	FAO and WHO in co-operation with selected national research centres
(i) implementation of research proposals approved	
- January 1983 - December 1983	
(ii) submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research	
- September 1983	
17. Research on eutrophication and concomitant plankton blooms	FAO and UNESCO in co-operation with selected national research centres
(i) development of draft guidelines for the assessment of receiving capacity for eutrophication substances and of monitoring of long-term trends of eutrophication	UNESCO
- June 1983	
(ii) implementation of research proposals as case studies following the above guidelines	FAO in co-operation with selected national research centres
- January - December 1983	
(iii) submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research	FAO/UNESCO
- September 1983	
18. Study of ecosystem modifications in areas influenced by pollutants and in areas where ecosystem modifications are caused by large-scale coastal or inland engineering activity	FAO in co-operation with selected national research centres

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
(i) implementation of research proposals as case studies following guidelines already developed by FAO - January 1983 - December 1983	
(ii) submission to the WGSTC of the research proposals kept in abeyance as well as of recommended extensions of ongoing research - September 1983	
19. Study on the effects of thermal discharges	FAO in co-operation with selected national research centres
(i) implementation of research proposals approved as case studies - January 1983 - December 1983	
(ii) submission to the WGSTC of the research proposals kept in abeyance as well as of recommended extensions of ongoing research - September 1983	
20. Study of biogeochemical cycles of specific pollutants, particularly those relevant to human health	FAO, IAEA and WHO in co-operation with selected national research centres
a) mass balance of mercury	FAO
b) mass balance of lead	IAEA
c) survival of pathogens	WHO
(i) implementation of research proposals approved - January - December 1983	
(ii) submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research - September 1983	

<u>ACTIVITY</u>	<u>RESPONSIBILITY</u>
21. Study of pollutant transfer processes:	UNESCO, WMO, IAEA and IOC in co-operation with selected national research centres
a) at river/sea interface	UNESCO
b) at air/sea interface	WMO
c) by sedimentation	IAEA
d) through the straits	IOC
(i) implementation of research proposals approved	
- January - December 1983	
(ii) submission to the WGSTC of the other proposals kept in abeyance as well as of recommended extensions of ongoing research	
- September 1983	

Appendix

Guidelines and Reference Methods for Marine
Pollution Studies

General Note:

The development, intercalibration, testing and revision of guidelines and Reference Methods will be co-ordinated by MED Unit under the guidance of RS/PAC and in co-operation with the relevant specialized agency. RS/PAC will issue the guidelines and Reference Methods (draft and final versions) and will ensure the participation of analysts from outside the Mediterranean Region. RS/PAC, through IOC, will ensure that Reference Methods are scrutinized by GEMSI.

A. Monitoring of coastal recreational and shellfish-growing waters

- No: 1 Guidelines for monitoring the quality of coastal recreational waters (being developed).
- No: 2 Determination of total coliforms in sea-water by the membrane filtration culture method (being issued as Rev.1).
- No: 3 Determination of faecal coliforms in sea-water by the membrane filtration culture method (being issued as Rev.1).
- No: 4 Determination of faecal streptococci in sea-water by the membrane filtration culture method (being issued as Rev.1).
- No: 5 Determination of faecal coliforms in bivalves by multiple test tube method (being issued as Rev.1).
- No: M Statistical methods for the evaluation of results from monitoring the quality of coastal recreational and shellfish-growing waters.
- No: 21 Determination of total coliforms in sea-water by multiple test tube method (being developed).
- No: 22 Determination of faecal coliforms in sea-water by multiple test tube method (being developed).
- No: 23 Determination of faecal streptococci in sea-water by multiple test tube method (being developed).

Note: Methods 2-5 and 21-23 being finalized by RS/PAC with assistance of a consultant, taking into account the results of the Rome Consultation. Before their printing they will be sent by RS/PAC for clearance to WHO/EURO. Method 1 to include shellfish-growing waters and maybe combined with Method M (subject to be discussed and clarified between RS/PAC and WHO/EURO).

B. Monitoring of chemical contaminants (metals) in marine organisms

- No: 6 Guidelines for monitoring chemical contaminants in marine organisms (to be developed).
- No: 7 Sampling of selected marine organisms and sample preparation for trace metals analysis (issued).
- No: 8 Determination of total mercury in selected marine organisms by flameless atomic absorption spectrophotometry (issued).
- No: 9 Determination of total arsenic in selected marine organisms by flameless atomic absorption spectrophotometry (being developed).
- No: 10 Determination of total selenium in selected marine organisms by flameless atomic absorption spectrophotometry (being developed).
- No: 11 Determination of total cadmium, zinc, lead and copper in selected marine organisms by flameless atomic absorption spectrophotometry (issued).

Note: Method 6 to be developed with assistance of a consultant, Methods 9 and 10 to be issued as drafts which should include FAO's comments. Testing of Methods 7-11 will be carried out using mussel as reference material for intercalibration. MED POL Focal Points will be informed by MED Unit about planned testing exercise and will be invited to designate research centres to participate in it. FAO in co-operation with IAEA, technically responsible for the testing. Participation of Dr. Dalziel, Chelsea College of London and of ILMR will be specifically solicited by FAO. On the basis of results from the testing exercise (planned to be completed early September 1983) a FAO/IAEA/UNEP consultation will be organized to finalize Methods 7-11. The consultation may be organized also as a training workshop if the results of the testing exercise indicate its appropriateness.

C. Monitoring of chemical contaminants (organics other than petroleum hydrocarbons) in marine organisms

- No: 6 Guidelines for monitoring chemical contaminants in marine organisms (to be developed).
- No: 12 Sampling of selected marine organisms and sample preparation for the analysis of chlorinated hydrocarbons (issued).
- No: 13 Determination of methylmercury in selected marine organisms by gas-liquid chromatography (being developed).
- No: 14 Determination of DDTs and PCBs in selected marine organisms by gas-liquid chromatography (issued).

Note: Method 6 to be developed with assistance of a consultant. Method 13 to be issued as draft which should include FAO's comments. Testing of Methods 12-14 will be organized in the same way as for Methods listed in Section B. Participation of Dr. Reutergardh, Wallenberg Laboratoriet, Stockholm will be specifically solicited by FAO.

D. Monitoring of marine surface waters and beaches for contamination by petroleum hydrocarbons

No: 15 Monitoring of tar on marine beaches (being developed).

No: 20 Monitoring of petroleum hydrocarbons in sediments (being developed).

No: B Monitoring of petroleum hydrocarbons in sea-water (being developed).

Note: Methods 15, 20 and B will be prepared by IOC (June 1983), transmitted to RS/PAC, issued by RS/PAC and distributed by MED Unit to MED POL Focal Points with invitation for comments from national research centres. A consultation is planned to be organized in 1984 to discuss the technical aspects of the Reference Methods.

E. Monitoring of estuaries

No: C Guidelines for monitoring of estuarine waters and suspended matter.

No: D Determination of faecal coliforms in estuarine waters, suspended matter and sediments.

No: E Determination of phosphorus in suspended matter and sediments.

No: F Determination of nitrogen in suspended matter and sediments.

No: G Determination of BOD₅ and COD in estuarine waters.

No: 19 Determination of total mercury in estuarine waters and suspended matter by cold vapour atomic absorption spectrophotometry (being developed).

No: I Determination of total cadmium in estuarine waters and suspended matter (to be developed).

Note: RS/PAC will explore the applicability of ICES manual and its possible use for preparation of draft Method C by a consultant. Methods D, E, F and G being prepared by WHO, will be sent to RS/PAC (May 1983) and issued as drafts (July 1983). Methods 19 and I will be issued by RS/PAC (July 1983) as drafts. MED Unit will send all methods to MED POL National Co-ordinators and invite comments from national research centres. A consultation on technical matters is planned for 1984.

F. Monitoring of chemical contaminants in sea-water and marine sediments

No: 16 Determination of DDTs, PCBs, PCCs and other hydrocarbons in sea-water, estuarine water and suspended matter by gas chromatography (issued as draft).

No: 17 Determination of DDTs, PCBs, PCCs and other hydrocarbons in marine sediments by gas chromatography (issued as draft).

No: 18 Determination of total dissolved cadmium in sea-water by differential pulse anodic stripping voltammetry (being developed).

No: R Determination of total mercury in marine sediments by flameless atomic absorption spectrophotometry.

No: S Determination of total cadmium in marine sediments by flameless absorption spectrophotometry.

Note: Methods 16 and 17 issued as drafts were circulated for comments by ILMR. Method 18 to be issued as draft by RS/PAC. Methods R and S to be prepared by ILMR, to be sent to RS/PAC (May 1983) and issued as drafts. Drafts of Methods 18, R and S to be distributed by ILMR for comments. ILMR to prepare revised versions of all methods of this section (September 1983), send them to RS/PAC who will issue them as drafts ready for distribution through the MED Unit.

G. Monitoring of basic oceanographic and meteorological conditions

No: K Determination of basic oceanographic and meteorological conditions (to be developed).

L Determination of standard physical and chemical parametry (to be developed).

Note: Methods K and L will be prepared by IOC and sent to RS/PAC (June 1983) to be issued as drafts and circulated by MED Unit to MED POL Focal Points with request for comments from national research centres.

H. Monitoring of pollutants in the atmosphere

- No: N Sampling of aerosols and wet precipitation for analysis of chemical pollutants (to be developed).
- No: O Determination of selected trace metals in aerosols and in wet precipitation (to be developed).
- No: P Determination of halogenated hydrocarbons in aerosols and in wet precipitation (to be developed).
- No: Q Sampling of dry deposition (to be developed).

Note: Method N will be prepared by WMO and sent to RS/PAC (June 1983) to be issued as draft. Methods O and P will be prepared by ILMR and sent to RS/PAC (September 1983) to be issued as draft. The preparation of Method Q will be considered at next meeting of IAAC.

I. Other Reference Methods

The need for the preparation of additional reference methods was briefly discussed. Methods covering acute toxicity test (FAO), methylmercury and selenium in human hair (WHO) as well as methods dealing with genetic effects (WHO) were mentioned as priority. It was decided that the next meeting of IAAC will review the problem and decide on methods to be developed.

ANNEX VI

Expenditures and obligations during 1982 (prodoc ME/0503-81-01)

	m/m FAO	m/m WHO	m/m UNESCO	m/m IOC	m/m WMO	m/m IAEA	TOTAL 1982
<u>1000 Project Personnel Component</u>							
1100 Experts	29,667	73,391	-	-	-	47,718	
1200 Consultants	5,000	-	-	-	-	-	
1300 Administrative Support	-	34,891	9,106	-	-	12,034	
1600 Travel	1,009	700	3,027	-	750	12,965	
1900 Component Total	35,676	108,982	12,133	-	750	72,717	230,258
<u>2000 Sub-Contracting Component</u>							
2100 Sub-contracts Research	24,000	-	-	-	-	31,000	
2100 Sub-contracts Monitoring	-	26,468	5,583	-	8,275	-	
2900 Component Total	24,000	26,468	5,583	-	8,275	31,000	95,326
<u>4000 Equipment Component</u>							
4100 Expendable Equipment	-	-	-	-	-	22,122	
4200 Non-Expendable Equipment	-	-	-	-	15,720	27,915	
4900 Component Total	-	-	-	-	15,720	50,037	65,757
<u>5000 Miscellaneous Component</u>							
5100 Operations & Maintenance of Equipment	-	-	-	-	-	4,288	
5252 Reporting Costs 53 Sundry	-	-	-	-	-	2,923	
5900 Component Total	-	-	-	-	-	7,211	7,211
9900 GRAND TOTAL	59,676	135,450	17,716	-	24,745	160,965	398,552

Budget for revision No. 4 (including rephrasing)

	m/m FAO	m/m WHO	m/m UNESCO	m/m IOC	m/m WMO	m/m IAEA	m/m MED Unit	TOTAL 1983
<u>1000 Project Personnel Component</u>								
1100 Experts	6 50,000	12 65,000	-	-	-	12 58,800	-	
1200 Consultants	5 20,000	-	-	-	-	1/2 3,000	-	
1300 Administrative Support	-	18 38,400	2.5 3,000	4 5,000	2 2,500	4 5,000	14 15,000	
1300 Lab assistant	-	-	-	-	-	10 20,000	-	
1600 Travel	4,000	5,000	1,000	1,000	2,000	18,500	-	
1900 Component Total	74,000	108,400	4,000	6,000	4,500	105,300	10 15,000	317,200
<u>2000 Sub-Contracting Component</u>								
<u>2100 Sub-contracts</u>								
- 1983 Research	80,000	109,000	9,000	38,000	15,000	49,000	-	
- 1982 Research	84,000	47,000	26,000	26,000	8,000	4,000	-	
- Intercalibration	-	12,000	-	10,000	-	-	-	
- Assistance	-	-	-	-	-	-	261,998	
- ICSEM Proceedings	-	-	-	-	-	-	23,000	
- Authors contracts	5,000	-	-	-	-	-	-	
2900 Component Total	169,000	168,000	35,000	74,000	23,000	53,000	284,998	806,998
<u>3000 Training Component</u>								
3200 Meetings/Conference							35,000	
3900 Component Total							35,000	
<u>4000 Equipment Component</u>								
4100 Expendable Equipment						19,300		
4200 Non-Expendable Equipment						50,000		
4900 Component Total						69,300		69,300
<u>5000 Miscellaneous Component</u>								
5100 Operations & Maintenance of Equip.						1,400		
5252 Reporting Costs						1,000		
53 Sundry						1,000		
5900 Component Total						3,400		3,400
9900 GRAND TOTAL	243,000	276,400	39,000	80,000	27,500	231,000	334,998	1,231,898

LONG-TERM PROGRAMME FOR POLLUTION MONITORING AND RESEARCH
IN THE MEDITERRANEAN SEA (MED POL - PHASE II)

BUDGET AND ACTIVITIES FOR 1983

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES					SUB TOTAL	TOTAL Monitoring	TOTAL Research	GRAND TOTAL
	SALARIES	TAAC	SUB TOTAL	Maintenance	Intcal. IAEA/IOC/WHO	Tech. Finan. Assistance	VI ICSEM/IOC UNEP Workshop	WGSTC				
PERSONNEL												
<u>Experts/Consultants</u>												
WHO, Athens - L.J. Saliba (Malta)	12m/m 65,000											
FAO, Athens - (Under recruitment)	6m/m 35,000											
FAO, Rome - M. Ruhnold (FRG)	3m/m 12,000			12m/m 58,800								
FAO, Rome - Consultant (Under recruitment)	3m/m 12,000											
IAEA, Monaco - T. Barisic (Yugoslavia)												
<u>Administrative Support</u>												
WHO, Athens - M. Harper - Secretary (France)	12m/m 31,400											
WHO/EURO, Copenhagen - Secretary (Local)	6m/m 7,000											
FAO, Athens - Secretary (Under recruitment)	6m/m 15,000											
IAEA, Monaco - Laboratory Assistant	4m/m 5,000				12m/m 24,000							
IAEA, Monaco - Secretary	4m/m 5,000											
UNESCO, Paris - Secretary	4m/m 5,000											
IOC, Paris - Secretary	4m/m 5,000											
WHO, Geneva - Secretary	4m/m 5,000											
MED UNIT, Athens - Typist	4m/m 5,000											
TOTAL	197,400		197,400	58,800	24,000		2,000		84,800	282,200	282,200	
TRAVEL												
WHO												
FAO	1,000											
UNESCO/IOC	2,000											
WHO	2,000											
IAEA	2,000											
TOTAL	7,000		7,000	16,100					24,100	31,100	31,100	
SUB-CONTRACTS												
Through:												
MED UNIT												
WHO					12,000							109,000
FAO												80,000
UNESCO/IOC												47,000
WHO					10,000							15,000
IAEA												49,000
TOTAL					22,000		23,000		488,000	533,000	300,000	833,000

BUDGET AND ACTIVITIES FOR 1983 (Cont'd)

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES						SUB TOTAL	TOTAL Monitoring	TOTAL Research	GRAND TOTAL
	SALARIES	IAAC	SUB TOTAL	Maintenance	Intcal. IAEA/IOC/WHO	Tech. Finan. Assistance	VI ICSEM/IOC UNEP Workshop	WGSTC					
MEETINGS/WORKSHOPS													
Group Training AED Unit								35,000					
TOTAL								35,000					35,000
EQUIPMENT													
Expendable IAEA				8,000	7,300								
Non-expendable IAEA													
TOTAL				8,000	7,300								15,300
OPERATION & MAINTENANCE													
IAEA				700	700								
TOTAL				700	700								1,400
REPORTING COSTS													
IAEA				500	500								
TOTAL				500	500								1,000
SUNDRY													
IAEA				500	500								
TOTAL				500	500								1,000
GRAND TOTAL	197,400	7,000	204,400	84,600	55,000	496,000	25,000	35,000	695,600	900,000	300,000	1,200,000	
AGENCY CONTRIBUTION	WHO:75,000	FAO:53,000	UNESCO/IOC:41,000	WHO:16,500	IAEA:85,000								

ANNEX VII

LONG-TERM PROGRAMME FOR POLLUTION MONITORING AND RESEARCH
IN THE MEDITERRANEAN SEA (MED POL - PHASE II)

BUDGET AND ACTIVITIES FOR 1984

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES					SUB TOTAL	TOTAL Monitoring	TOTAL Research	GRAND TOTAL
	SALARIES	IAC	SUB TOTAL	Maintenance	Intcal. IAEA/IOC/MHO	Tech. Finan. Assistance	VII ICSEM/ UNEP Workshop	WGSTC				
PERSONNEL												
Experts/Consultants												
WHO, Athens - L.J. Saliba (Malta)	12m/m 72,000											
FAO, Athens - (Under recruitment)	12m/m 72,000			12m/m 60,000								
IAEA, Monaco - T. Barisic (Yugoslavia)												
Administrative Support												
WHO, Athens - Secretary (Local)	12m/m 13,000											
FAO, Athens - Secretary (Local)	12m/m 13,000											
IAEA, Monaco - Laboratory Assistant					12m/m 28,500							
TOTAL	170,000		170,000	60,000	28,500				88,500	258,500		258,500
TRAVEL												
WHO												
FAO												
UNESCO/IOC		3,000					8,000					
WHO		3,000					8,000					
IAEA		3,000		15,000								
TOTAL		9,000	9,000	15,000			16,000		31,000	40,000		40,000
SUB-CONTRACTS												
Through:												
MED UNIT												
WHO					20,000		360,000				90,000	
FAO					10,000						80,000	
UNESCO/IOC											40,000	
WHO											10,000	
IAEA											30,000	
TOTAL					30,000		360,000		390,000	390,000	250,000	640,000

BUDGET AND ACTIVITIES FOR 1984 (Cont'd)

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES							SUB TOTAL	TOTAL Monitoring	TOTAL Research	GRAND TOTAL	
	SALARIES	IAAC	SUB TOTAL	Maintenance	Intcal. IAEA/IOC/WHO	Tech. Finan. Assistance	VI ICSEM/IOC UNEP Workshop	WGSTC							
MEETINGS/WORKSHOPS															
Group Training MED Unit											35,000	40,000			
TOTAL											35,000	40,000	75,000		75,000
EQUIPMENT															
Expendable IAEA				12,000	5,000										
Non-expendable IAEA				8,000	8,000										
TOTAL				20,000	13,000								33,000		33,000
OPERATION & MAINTENANCE IAEA															
TOTAL				750	750								1,500		1,500
REPORTING COSTS IAEA															
TOTAL				500	500								1,000		1,000
SUNDRY IAEA															
TOTAL				500	500								1,000		1,000
GRAND TOTAL	170,000	9,000	179,000	96,750	73,250	376,000	35,000	40,000	621,000	800,000	250,000	1,050,000			

UNEP:

IAEA:

WHO:

UNESCO/IOC:

FAO:

WHO:

CONTRIBUTIONS OTHER THAN MTF

ANNEX VII (Cont'd)

LONG-TERM PROGRAMME FOR POLLUTION MONITORING AND RESEARCH
IN THE MEDITERRANEAN SEA (MED POL - PHASE II)

BUDGET AND ACTIVITIES FOR 1985

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES						SUB TOTAL	TOTAL Monitoring	TOTAL Research	GRAND TOTAL
	SALARIES	TAAC	SUB TOTAL	Maintenance	Intcal. IAEA/IOC/WHO	Tech. Finan. Assistance	VII ICSEM/ UNEP Workshop	WGSTC					
PERSONNEL													
Experts/Consultants													
WHO, Athens - L.J. Saliba (Malta)	12m/m 77,760												
FAO, Athens - (Under recruitment)	12m/m 77,760			12m/m 64,800									
IAEA, Monaco - T. Barisic (Yugoslavia)													
Administrative Support													
WHO, Athens - Secretary (Local)	12m/m 13,000												
FAO, Athens - Secretary (Local)	12m/m 13,000												
IAEA, Monaco - Laboratory Assistant					12m/m 30,780								
TOTAL	181,520		181,520	64,800	30,780					95,580	277,100		277,100
TRAVEL													
WHO													
FAO									8,000				
UNESCO/IOC									8,000				
WHO				17,000									
IAEA													
TOTAL		12,000	12,000	17,000					16,000				45,000
SUB-CONTRACTS Through.													
MED UNIT													
WHO									380,500				95,000
FAO													85,000
UNESCO/IOC													45,000
WHO													15,000
IAEA													35,000
TOTAL					34,000				380,500				275,000
TOTAL										439,500	439,500		714,500

BUDGET AND ACTIVITIES FOR 1985 (Cont'd)

	SUPPORT			SERVICES AND ASSISTANCE TO NATIONAL CENTRES						SUB TOTAL	TOTAL Research	GRAND TOTAL		
	SALARIES	IAAC	SUB TOTAL	Maintenance	Intecal. IAEA/IOC/WHO	Tech. Finan. Assistance	VI ICSEH/IOC UNEP Workshop	WGSTC	TOTAL Monitoring					
MEETINGS/WORKSHOPS														
Group Training MED Unit									45,000					
TOTAL									45,000					45,000
EQUIPMENT														
Expendable IALA				15,000	6,000									
Non-expendable IAEA				9,000	9,000									
TOTAL				24,000	15,000									39,000
OPERATION & MAINTENANCE IAEA				900	900									
TOTAL				900	900									1,800
REPORTING COSTS IAEA				650	650									
TOTAL				650	650									1,300
SUNDRY IAEA				650	650									
TOTAL				650	650									1,300
GRAND TOTAL	181,520	12,000	193,520	108,000	81,980	396,500	25,000	45,000	850,000	275,000	1,125,000			

CONTRIBUTIONS OTHER THAN HTF WHO: WHO: UNESCO/IOC: IAEA: UNEP: