



MEDITERRANEAN ACTION PLAN
PRIORITY ACTIONS PROGRAMME

PA-7/EM 1/4
28 March 1986
Original: English

UNITED NATIONS ENVIRONMENT PROGRAMME

Joint PAP/RAC-WHO/EURO-UNEP/MEDU meeting
of experts on Monitoring of Submarine
Outfall Structures in the Mediterranean
Split, 27-28 March 1986

NOTES

OF THE JOINT PAP/RAC-WHO/EURO-UNEP/MEDU MEETING OF EXPERTS ON
MONITORING OF SUBMARINE OUTFALL STRUCTURES IN THE MEDITERRANEAN

Priority Actions Programme
Regional Activity Centre
Split, 1986

NOTES
OF THE JOINT UNEP/MEDU-PAP/RAC-WHO/EURO MEETING
ON MONITORING OF SUBMARINE OUTFALL STRUCTURES
IN THE MEDITERRANEAN
(Split, 27-28 March 1986)

1. Within the framework of the PAP activity on Solid and Liquid Waste Management, Collection and Disposal, it was agreed to implement a project on the effectiveness of selected submarine outfall structures in the Mediterranean. This project will consist in monitoring of a number of parameters in the effluents and the affected coastal areas, and is being organized jointly with WHO/EURO and UNEP/MEDU.
2. The following institutions accepted to take part in the above project:
 - High Institute of Public Health, Alexandria, Egypt
 - SOGREAH, Grenoble, France
 - Station marine d'Endome, Université d'Aix-Marseille, Marseille, France
 - University of Thessaloniki, Laboratory of Analytical Chemistry, Thessaloniki, Greece
 - Istituto d'Igiene, Università di Genova, Italia
 - Universidad de Alicante, Departamento de Química Técnica, Alicante, Spain
 - Institute of Oceanography and Fisheries, Split, Yugoslavia
 - Institute of Public Health, Split, Yugoslavia.
3. A meeting of principal investigators from the above institutes was convened jointly by PAP/RAC, WHO/EURO and UNEP/MEDU in order to agree on the programme for the project. This meeting was held at the offices of the PAP Regional Activity Centre in Split from 27 to 28 March 1986.

A list of participants is attached at Annex I.
4. The meeting was opened by Mr. A. Pavasovic, Director of PAP/RAC, who explained the role of the Priority Actions Programme (PAP) within the overall context of the Mediterranean Action Plan and described briefly the various activities of the PAP.
5. Mr. Saliba, WHO/EURO, confirmed the interest of WHO in this particular activity which the organization was supporting. In addition, on behalf of Mr. A. Manos, UNEP Co-ordinator of MAP, he informed the participants that the activities of PAP/RAC and those of MED POL were very closely related in this particular area and full co-ordination was being effected in their implementation.
6. Mr. G. Vasilikiotis was selected Chairman of the meeting. Mr. A. Baric acted as Secretary.
7. The meeting adopted the agenda shown in Annex II.

8. Mr. A. Baric explained the scope and the purpose of the present meeting which was to agree on a common methodology for the monitoring of the selected outfalls and to discuss the relevant institutional arrangements.
9. The meeting had a comprehensive discussion of the draft guidelines for monitoring effluents from selected submarine outfalls and affected coastal marine areas (document PAP-7/EM.1/3). As a result of such discussion a number of amendments were agreed upon. The revised version of the document which will be utilized for the implementation of the project is attached as Annex III.
10. It was agreed that the project should commence between 1st July and 1st September 1986.
11. The meeting discussed a suggestion by the Intergovernmental Oceanographic Commission (IOC) that a study on mathematical modelling of the dispersion pattern of the effluents from the outfalls being monitored be added as a supplementary research project. All participants agreed to this in the principle. It was agreed that IOC should sent to participants all relevant details, following which they would submit research proposals to UNEP/MEDU through the national MED POL Co-ordinators.
12. The institutional arrangements and the financial implications of carrying out the project were discussed. It was estimated that, apart from contributions in kind by the institutes themselves, there would be considerable expenses involved in carrying out the necessary sampling and analyses of the obligatory and optional parameters which would vary according to local conditions.
13. It was agreed that, as the national authorities concerned had accepted to carry out the project as a national contribution, the principal investigators would inform their national MED POL Co-ordinators of the financial subsidies they would require to carry out the work with a view to funds being provided from appropriate national sources. This information, which would be copied to PAP/RAC and UNEP/MEDU, would be submitted by 15 April 1986. PAP/RAC and UNEP/MEDU would assist in the procedures necessary for the implementation of the project.
14. A number of participants inquired about the availability of extra assistance from MAP funds. It was explained that some assistance might be available on the monitoring component of MED POL in the case of those countries which had already signed national MED POL monitoring agreements. There was also the possibility of assistance from the general fellowships component of MAP as well as maintenance service of MED POL.
15. As the principle investigators from institutions of Egypt and France were unable to participate due to circumstances beyond their control, it was agreed that they should immediately be provided with the report of the meeting. In the case of France, where three alternative outfalls had been offered, the selection should be left to the institute concerned which would be informed of the meeting's unanimous agreement that the outfalls with untreated effluents should, wherever possible, be studied.

16. It was agreed that, apart from correspondence with individual institutions as necessary, there should be: (a) an expert meeting after the second round of sampling and analysis to review progress and make any modifications necessary in the light of the experience gained; and (b) a final meeting after the termination of the project to review results and make relevant recommendations.

17. The meeting was closed by the Chairman on 28 March 1986 at 12.00.

ANNEX I
LIST OF PARTICIPANTS

EXPERTS INVITED BY PAP/RAC

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ANNEX II
AGENDA

Thursday, 27 March 1986

9.00 - 10.30

Opening of the meeting.
Election of officers.
Adoption of agenda.
Scope and organization of the meeting.

Finalization of the guidelines for
monitoring effluents from selected
marine outfalls and affected coastal
marine areas.

10.30 - 11.00

Coffee break.

11.00 - 13.00

Finalization of the guidelines (cont.)

16.00 - 16.30

Video presentation at the Society of
French-Yugoslav Friendship

16.30 - 17.30

Finalization of the guidelines (cont.)

17.30 - 18.00

Coffe break.

18.00 - 19.00

Finalization of the guidelines (cont.)

Friday, 28 march 1986

9.00 - 12.00

Institutional arrangements for
implementing the studies.

Adoption of the meeting report.