

REGIONAL MARINE POLLUTION  
EMERGENCY RESPONSE CENTRE  
FOR THE MEDITERRANEAN SEA

REMPEC



IMO-OMI

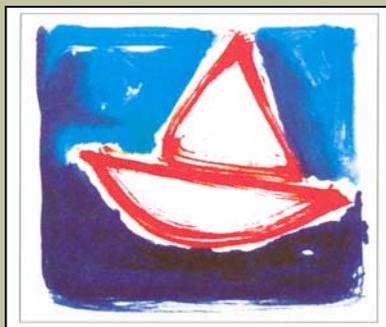


UNEP-PNUE

**M E D I P O L 2 0 0 2**

**St. George's Bay, MALTA  
29 October - 2 November 2002**

**REGIONAL SEMINAR ON RESPONSE TO OIL AND CHEMICAL  
SPILLS FOR GOVERNMENT ADMINISTRATORS AND  
SENIOR MANAGERS**



NOVEMBER 2002

**REGIONAL SEMINAR ON RESPONSE TO OIL AND CHEMICAL  
SPILLS FOR GOVERNMENT ADMINISTRATORS AND SENIOR  
MANAGERS**

**MEDIPOL 2002**

**St. George's Bay, MALTA**

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**R E P O R T**

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# **REGIONAL SEMINAR ON RESPONSE TO OIL AND CHEMICAL SPILLS FOR GOVERNMENT ADMINISTRATORS AND SENIOR MANAGERS**

## **MEDIPOLE 2002**

### **REPORT**

#### **INTRODUCTION**

1. Between Tuesday, 29 October and Saturday 2 November 2002 the Regional Marine Emergency Response Centre for the Mediterranean Sea (REMPEC), organized in Malta the Regional Seminar on response to oil and chemical spills for Government Administrators and Senior Managers, MEDIPOLE 2002.
2. MEDIPOLE 2002 was organized as part of REMPEC's training programme proposed by the meetings of REMPEC Focal Points and subsequently endorsed by the meetings of the Contracting Parties to the Barcelona Convention.
3. The Seminar was prepared considering the particularity to adapt it to the high officers designated, within their respective national preparedness and response systems, to take part in directing marine pollution response operations at national level.
4. The objectives of MEDIPOLE 2002 were to provide the participants with an updated information on various aspects of response to accidental marine pollution by oil and other harmful substances, including in particular the management and strategy of response operations, the legal and financial aspects and environmental consequences of response to marine pollution incidents as well as dealing with media in case of such incidents.

#### **ORGANIZATION**

5. The organization, the preparation and the delivery of MEDIPOLE 2002 was entirely the responsibility of REMPEC.
6. The role of REMPEC included:
  - preparation of the programme of the Seminar;
  - identification, selection and invitation of external lecturers;
  - providing its own lecturers;
  - invitation of participants;
  - making necessary travel arrangements for accommodation of lecturers and trainees;
  - covering the costs of travel and daily subsistence allowance for both, lecturers and trainees;
  - providing all written materials for distribution to the participants;
  - preparation and conducting the table-top exercise;
  - venue of the Seminar (conference room);
  - audio visual equipment (overhead, slide, Power Point and video projectors);
  - interpretation from/to English and French;
  - interpretation equipment;
  - secretarial services;
  - local transport (airport/hotel/airport) for the participants;
  - coffee breaks.

7. Mr. Darko Domovic, REMPEC's Senior Programme Officer, acted as the Seminar Director and was in charge of ensuring the smooth running of MEDIPOP 2002.
8. Like in all regional training activities organized by REMPEC, the official languages of MEDIPOP 2002 were English and French and all lectures were simultaneously interpreted into these two languages.
9. MEDIPOP 2002 Regional Seminar was held in a Conference Room at the Corinthia Marina Hotel, St. George's Bay, Malta.
10. All participants in the Seminar, including lecturers were accommodated at the Corinthia Marina, the same place as the Seminar.
11. The working hours of the Seminar were from 09.00 to 16.30/16.45 with a lunch break between 12.30 and 14.00.
12. The Seminar was inaugurated on Tuesday, 29 October 2002. During the Opening session the participants were welcomed by R. Adm. Roberto PATRUNO, Director of REMPEC.
13. MEDIPOP 2002 finished with the Closing Ceremony that was held on Saturday, 2 November 2002 in the afternoon at REMPEC premises on Manoel Island. R. Adm. Roberto PATRUNO thanked the lecturers who contributed to the Seminar, as well as the participants for their active participation in MEDIPOP 2002. He also delivered Certificates of attendance (c.f. **ANNEX VII**) to the participants and closed the Seminar after the participants visited the premises of the Centre.

## **PARTICIPANTS**

14. Twenty eight participants from twenty Mediterranean coastal States attended MEDIPOP 2002. The complete list of participants is given in **ANNEX I**.
15. MEDIPOP 2002 Seminar was aimed at senior government administrators and senior managers designated or expected to be involved in management, in their respective countries, of response operations at national level, in case of major or medium-size marine pollution incidents involving either oil or other hazardous substances. REMPEC invited its national Focal Points to designate participants from this target group, whose envisaged role in their respective national response systems included decision-taking, emergency management and/or supervision in case of marine pollution incidents.
16. Since the Seminar was not meant to discuss basic techniques and methods of response to accidental marine pollution by oil or other hazardous substances, national Focal Points were advised to select participants who already had a good understanding of main concepts and elements of response.
17. Twenty Mediterranean coastal States nominated their representatives, while the European Community as well as France informed REMPEC that they would not be in position to nominate any participants.
18. Egypt, Greece, Libya, Tunisia and Turkey were invited to nominate two participants from different national authorities playing key role in the national response system. Malta, as hosting country, was allowed to attend with three trainees.
19. REMPEC fully sponsored the participation of all the Mediterranean coastal States representatives.
20. The majority of participants in MEDIPOP 2002 were civil servants (26 out of 28) from various ministries or governmental departments. Eighteen (18) came from ministries, departments, agencies or services dealing with environmental affairs, and other eight (8) from offices related to maritime affairs. The remaining two participants were Junior Programme Officers, Italian and French nationality, working at REMPEC.

## **PROGRAMME**

21. The programme of MEDIPOL 2002, given in **ANNEX II** was prepared bearing in mind the objectives of the Seminar, as given in paragraph 4, and was therefore divided in three distinct modules.

22. The first part of the Seminar was dedicated to the legal framework for co-operation in the Mediterranean region in the field of preparedness and response to marine pollution incidents at regional and global levels and addressed examples of the spill response systems in the EU and the relationship with the Mediterranean region.

23. The second module was devoted to theoretical lectures addressing topics of relevance for senior staff designated to be involved in decision-making process and in directing or supervising response operations in case of major marine oil pollution incidents in their respective countries. Presentations aimed at outlining the main principles of oil spill response management, the environmental consequences of oil spills and contingency planning.

24. This module addressed the causes, fate and behaviour of oil spills, and raised the important issue of the environmental consequences of oil spills. It was considered essential to inform senior response managers of the importance of taking also into consideration, when making decisions regarding the course of action, ecological problems arising during spill response operations. The oil spill response and its management were first introduced with their objectives, strategies and the contingency planning process. Finally, the management of oily wastes and the problem of temporary storage, treatment and final disposal were presented.

25. The last group of presentations in the second module was dedicated to issues related to the compensation of damages caused by marine pollution incidents and of expenses incurred in response operations.

26. This module was concluded by a discussion between the participants and the lecturers in order to clarify some points of the presentations.

27. The third module was dedicated to the concepts of dealing with incidents involving hazardous and noxious substances (HNS) other than oil. It addressed the existing international regulations in this field, behaviour of various chemical products, assessment and intervention. A separate lecture was dedicated to the familiarization with REMPEC's maritime transport oriented database TROCS. In order to tackle all the aspects of the response to a chemical spill, the subject of safety at spill site, as well as the protection of response personnel and of the public were developed.

28. One of the presentations dealt with the HNS Convention which defines the principles of liability and compensation for damages resulting from incidents related to maritime transportation of hazardous and noxious substances. Another one covered the issues related to liability and compensation of oil spills and in particular the recent developments in the international compensation regimes.

29. The last module introduced and also discussed the important aspect of dealing with media in emergency situations.

30. To put all those presentations into practice, a 3 hours duration table-top exercise was organized. For the purpose of this table-top exercise the participants were divided into four groups, and each group was expected to act as an oil spill Emergency Response Centre directing response operation for the same fictitious accident. All groups were provided with the same description of the accident occurring in Marsaxlokk Bay (Malta), and all necessary background information (concerning ships involved, available spill response equipments, products, vessels and other resources, winds, currents, description of the shoreline and its sensitivity, etc.). The information was subsequently updated at regular intervals. Each group was also provided with necessary charts of the area of the incident.

31. The participants were requested to primarily organize their respective "response headquarters", to divide the duties among the team members, to assess the situation and to forecast its development and to take necessary measures to respond to the spill. They were also asked to prepare various reports for national authorities and for the media.

32. The size of the fictitious accident was relatively small in order to adapt it to the limited time given to the participants to organize, start and conduct response operations, taking into consideration that the problem could be realistically resolved by means at their disposal.

33. The staff of REMPEC together with the ITOPF representative acted as the "Control Team" and as various interlocutors, providing additional information and other inputs when so requested by the "response teams". The coherency of the information given to the different teams was responsibility of the Control Team.

34. At the end of the exercise, the groups were requested to prepare and to present their respective reports.

35. The participation in the table-top exercise was very active and all groups prepared and presented quite good reports. These covered all important aspects of managing an oil spill emergency, including organizational, administrative, financial and technical issues. The proposed solutions and approaches adopted by the four groups varied in details, and this gave the opportunity for discussion which was also the opportunity to clarify and further explain some issues dealt with during the Seminar.

### **LECTURERS**

36. The programme of the Seminar was presented by seven (7) lecturers. These included three (3) REMPEC staff members, a lecturer from the International Tanker Owners Pollution Federation Ltd. (ITOPF), a media expert from Italy, a lecturer from BASF Fire Department, an expert in ecological/environmental aspects of marine pollution from ICRAM (Istituto Centrale per la Ricerca Scientifica e Tecnologica Applicata al Mare), Italy.

37. The complete list of lecturers is given in **ANNEX III**.

### **DOCUMENTS**

38. Documents distributed during MEDIPOL 2002 included printouts of the presentations made by the lecturers, as well as specific papers prepared by them.

39. Since it was not possible to translate all the presentations and documents in time, most of the papers were given to the participants in English.

40. The list of documents distributed during MEDIPOL 2002 is given in **ANNEX IV**.

### **EVALUATION OF THE SEMINAR**

41. On the last day of the Seminar, the participants were asked to fill in an "Evaluation Form" prepared by REMPEC. These were aimed at obtaining an assessment of MEDIPOL 2002, but also at gathering suggestions that could be used for planning future training activities.

42. The Evaluation Form, reproduced in **ANNEX V**, did not include the name of the participants in order to obtain as objective and sincere replies as possible.

43. Out of 28 participants 26 returned dully filled in evaluation forms. A summary of replies is given in **ANNEX VI**.

44. A majority of the participants (54%) confirmed that the course went beyond their expectations and another 46% indicated that it met their expectations. 100% of participants judged the lectures, their visual support and documents distributed as very good or good, while videos were described as very good or good by 84% of the participants.

45. As regards the benefits the participants expected from the Seminar, all participants indicated that they acquired new knowledge during the Seminar, which 62% described as "very much". 96% felt that this new knowledge will help them in their work, out of which more than two third expected that it would help them "very much". All participants described exercises as useful (42%) and "very useful" (58%). Equally, 96% of participants judged meeting persons from other organizations as useful.

46. All participants indicated that they were "very satisfied" (50%) or "satisfied" (50%) with the Seminar.

47. 50% of the participants presented some suggestions regarding "other issues or subjects" which in their opinion the Seminar had to cover. Those comments concerned subjects like surveillance of pollution, prevention of pollution by ships, pleasure crafts, etc. Actually, the Seminar was dedicated only to response to oil and chemical pollution and could not deal with issues not related to this matter.

48. Under "other comments", 62% of the participants replied approaching both organizational and pedagogical aspects of the Seminar. With relation to some of these suggestions, it should be pointed out that:

- The budget allocated to the Seminar is neither enough to organize more than one Seminar a year nor to have simultaneous interpretation for three languages;
- The Seminar was organized according to the standard IMO courses and as a regional Seminar for high officers, the target was to "refresh" and to improve the knowledge of the participants: a table-top exercise was the logical conclusion of this kind of seminars;
- Practical exercises, such as deployment/connections of booms, skimmers etc, are meant for operators in first level courses.

## **CONCLUSIONS**

49. MEDIPOLE 2002 was a Seminar aimed at improving and updating the knowledge of senior administrators and managers designated to direct accidental pollution response operations in their respective countries, and its programme was specifically prepared to achieve this goal. This resulted in introducing several topics, covering organizational, operational, legal, financial and ecological issues. At the same time, bearing in mind that the invitation was addressed to the personnel having already some good knowledge of concepts and techniques of accidental marine pollution response, lectures covering basic spill response techniques and elements of preparedness were not included in the programme.

50. The active participation of the trainees in the Seminar and in the discussions indicated that the main goal of the Seminar was achieved. The same impression was confirmed by the answers to the questions included in the Evaluation Form.

51. The success of the Seminar was also demonstrated by the active involvement of the participants in the simulated oil spill response table-top exercise.

52. Comments and suggestions made by the participants through the Evaluation Forms will assist REMPEC in planning future training activities at regional level.

**ANNEX I**

**LIST OF PARTICIPANTS**

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**MEDIPOLE 2002**

**REGIONAL SEMINAR ON RESPONSE TO OIL AND CHEMICAL SPILLS  
FOR GOVERNMENT ADMINISTRATORS AND SENIOR MANAGERS**

Malta, 29 October – 2 November 2002

**ANNEX II**

**PROGRAMME**

<b>DAY 1</b>	<b>TUESDAY, 29 OCTOBER 2002</b>	
09.00 – 09.30	Registration of participants	
09.30 – 09.45	Opening ceremony	
09.45 – 10.00	Introduction to the seminar / objectives / programme / logistics	REMPEC
10.00 – 10.30	<i>Coffee break</i>	
10.30 – 11.00	Video [ <i>oil spill</i> ]	
11.00 – 11.45	Legal framework for the International co-operation in the Mediterranean region	R. Adm. R. Patruno (REMPEC)
11.45 – 12.30	Spill response systems in the EU / relationship with the Mediterranean region	R. Adm. R. Patruno (REMPEC)
12.30 – 14.00	<i>Lunch</i>	
14.00 – 14.45	Global framework for co-operation in the field of preparedness and response / OPRC Convention	D. Domovic (REMPEC)
14.45 – 15.30	Causes, fate and behaviour of oil spills	D. Domovic (REMPEC)
15.30 – 15.45	<i>Coffee break</i>	
15.45 – 16.30	Environmental consequences of oil spills	E. Amato (ICRAM)
16.30 – 16.45	Discussion	

<b>DAY 2 WEDNESDAY, 30 OCTOBER 2002</b>		
09.00 – 09.45	Introduction to oil spill response / management	D. Domovic (REMPEC)
09.45 – 10.30	Spill response objectives and strategies	M. O'Brien (ITOPF)
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	Management of oily wastes: temporary storage/ treatment / final disposal	M. O'Brien (ITOPF)
11.45 – 12.30	Communications and reporting of accident	D. Domovic (REMPEC)
12.30 – 14.00	<i>Lunch</i>	
14.00 – 14.45	Contingency planning / Development of national systems for preparedness and response	M. O'Brien (ITOPF)
14.45 – 15.30	OPRC-HNS Protocol / HNS Convention	E. Sampatakakis (REMPEC)
15.30 – 15.45	<i>Coffee break</i>	
15.45 – 16.30	Discussion	
17.00 – 18.00	Visit to Malta Maritime Museum and Mrs. R. Charis Pergolani exhibition	
20.30	Dinner hosted by REMPEC	
<b>DAY 3 THURSDAY, 31 OCTOBER 2002</b>		
09.00 – 09.45	Video [ <i>a chemical spill/incident</i> ]	
09.45 – 10.30	Behaviour of released chemicals (HNS)	E. Sampatakakis (REMPEC)
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	The use of TROCS - REMPEC's maritime transport oriented database	E. Sampatakakis (REMPEC)
11.45 – 12.30	Hazards assessment and emergency response to spills / releases of HNS	U. Beyer (BASF)
12.30 – 14.00	<i>Lunch</i>	
14.00 – 14.45	Safety at spill site / protection of response personnel / protection of the population	U. Beyer (BASF)
14.45 – 15.30	Dealing with media in case of response to major spills	D. Gigante (Italy)
15.30 – 15.45	<i>Coffee break</i>	
15.45 – 16.30	Discussion	

<b>DAY 4                      FRIDAY, 01 NOVEMBER 2002</b>		
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09.00 – 09.45	International regimes for liability and compensation for oil pollution damage / Preparation and presentation of claims	M. O'Brien (ITOPF)
09.45 – 10.30	Termination of response operation / How clean is clean? / The concept of reasonableness	M. O'Brien (ITOPF)
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	Case study: <i>an oil spill incident</i> / Video	M. O'Brien (ITOPF)
11.45 – 12.00	Introduction to the Table-top exercise	REMPEC ITOPF
12.00 – 12.30	Table-top exercise (1 <sup>st</sup> part)	Participants
12.30 – 14.00	<i>Lunch</i>	
14.00 – 16.15	Table-top exercise (2 <sup>nd</sup> part)	Participants
16.15 – 16.30	Preparation of groups' reports	Participants

<b>DAY 5                      SATURDAY, 02 NOVEMBER 2002</b>		
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09.00 – 10.00	Preparation of groups' reports (cont.)	Participants
10.00 – 10.30	<i>Coffee break</i>	
10.30 – 11.30	Presentation of groups' reports	Participants
11.30 – 12.00	Comments / Discussion	REMPEC ITOPF Participants
12.00 – 12.30	Closing ceremony / Presentation of Certificates	REMPEC
12.30 -	<i>Lunch</i>	

**ANNEX III**

**LIST OF LECTURERS**

**IMO/UNEP - REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE FOR THE MEDITERRANEAN SEA (REMPEC)**

**R. Adm. PATRUNO Roberto**, Director

**DOMOVIC Darko**, Programme Officer (OPRC)

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## ANNEX IV

### LIST OF DOCUMENTS

1. Legal framework for the International co-operation in the Mediterranean region, *Power Point presentation*, R. Adm. R. Patrino, REMPEC.
2. Spill response systems in the EU / relationship with the Mediterranean region, *Power Point presentation*, R. Adm. R. Patrino, REMPEC.
3. Global framework for co-operation in the field of preparedness and response/OPRC Convention, *Power Point presentation*, D. Domovic, REMPEC.
4. Causes, fate and behaviour of oil spills, *Power Point presentation*, D. Domovic, REMPEC.
5. Environmental consequences of oil spills, *Power Point presentation*, E. Amato, ICRAM, Italy.
6. Introduction to oil spill response / management, *Power Point presentation*, D. Domovic, REMPEC.
7. Spill response objectives and strategies, *Power Point presentation*, M. O'Brien, ITOPF, U.K.
8. Management of oily wastes: temporary storage/ treatment / final disposal, *Power Point presentation*, M. O'Brien, ITOPF, U.K.
9. Communications and reporting of accident, *Power Point presentation*, D. Domovic, REMPEC
10. Contingency planning / Development of national systems for preparedness and response, *Power Point presentation*, M. O'Brien, ITOPF, U.K.
11. OPRC-HNS Protocol / HNS Convention, *Power Point presentation*, E. Sampatakakis, REMPEC.
12. Behaviour of released chemicals (HNS), *Power Point presentation*, E. Sampatakakis, REMPEC.
13. The use of TROCS - REMPEC's maritime transport oriented database, *Power Point presentation*, E. Sampatakakis, REMPEC.
14. Hazards assessment and emergency response to spills / releases of HNS, *Power Point presentation*, U. Beyer, BASF, Germany.
15. Safety at spill site / protection of response personnel / protection of the population, *Power Point presentation*, U. Beyer, BASF, Germany.
16. Dealing with media in case of response to major spills, *Power Point presentation*, D. Gigante, Italy.
17. International regimes for liability and compensation for oil pollution damage / Preparation and presentation of claims, *Power Point presentation*, M. O'Brien, ITOPF, U.K.
18. Termination of response operation / How clean is clean? / The concept of reasonableness, *Power Point presentation*, M. O'Brien, ITOPF, U.K.

**ANNEX V**

**EVALUATION FORM**

1. Did the seminar meet your expectations?

Beyond your expectations

More or less on par with your expectations

Below your expectations

2. Generally speaking, how do you judge the quality of the presentations?

	Very good	Good	Quite good	Not good enough
Presentations				
Illustrations				
Documents				
Video				

3. Did you acquire much new knowledge during this seminar?

Very much

Some

Not enough

4. Will the knowledge acquired during this seminar help you in your current work?

Very much

Enough

No

Other comments?

5. Were the exercises useful?

Very much

Enough

No

6. In your opinion, are there any other issues or subjects which the seminar should have covered?

7. Do you think that it was useful to meet persons from other organizations?

Yes

No

8. Generally speaking, are you satisfied with the seminar?

Very satisfied

Satisfied

Unsatisfied

9. Other comments?

## ANNEX VI

### EVALUATION RESULTS

**1. Did the seminar meet your expectations?**

Beyond your expectations	54%
More or less on par with your expectations	46%
Below your expectations	-

**2. Generally speaking, how do you judge the quality of the presentations?**

	Very good	Good	Quite good	Not good enough	TOTAL
Presentations	54%	42%	4%	-	100%
Illustrations	38%	62%	-	-	100%
Documents	45%	34%	20%	-	100%
Video	12%	46%	28%	16%	100%

**3. Did you acquire much new knowledge during this seminar?**

Very much	62%
Some	38%
Not enough	-

**4. Will the knowledge acquired during this seminar help you in your current work?**

Very much	54%
Enough	42%
No	-
Other comments?	12%

The chemical subject needed more lectures  
The practical aspect (exercises and case studies) should have been emphasized

**5. Were the exercises useful?**

Very much	58%
Enough	42%
No	-

**6. In your opinion, are there any other issues or subjects which the seminar should have covered?**

13 participants (50%) offered some suggestions, as follows :

**New subjects :**

1. The prevention of pollution by ships
2. The budget setup for the countries
3. Pleasure crafts
4. Surveillance of pollution

**Topics that should be covered more extensively or that need more time :**

1. The national systems (situation, evolution...)
2. Relations with the industry, the role of the industry (MOIG...)
3. Chemical pollution and pollution control
4. The conventions
5. The media
6. Case studies

**Exercices**

1. a practical exercise of response
2. a table-top exercise on a chemical pollution with the use of TROCS

**7. Do you think that it was useful to meet persons from other organizations?**

Yes	96%
No	4%

**8. Generally speaking, are you satisfied with the seminar?**

Very satisfied	50%
Satisfied	50%
Unsatisfied	-

**9. Other comments?**

Sixteen participants (62%) who answered the evaluation form made a total of 20 comments which are summarized as follows :

A) Organisational aspect :

1. The Seminar should be organized twice a year ;
2. The Arabic language should be entirely part of the Seminar ;
3. More documents and hands outs ;
4. The meals should be adapted to the participants coming from Arab countries ;
5. Time given to the Seminar was too short especially for M. O'Brien and D. Gigante presentations ;
6. Not enough space in the conference room, desks too small ;
7. It would be nice if the organization of the Seminar were not during holidays ;
8. The file was good but all the translations should have been done before the beginning of the Seminar as well as the distribution of all hands out ;
9. The Maritime museum visit was really good as well as the dinner hosted by REMPEC;
10. The Seminar should be done in three languages : English, French and Arabic.

B) Pedagogical aspect :

1. More case studies and exercices and less lectures ;
2. Practical courses on the pollution control and chemical pollution ;
3. It would have been useful to attend a drill held a the Command Centre and on site ;
4. The prevention aspect has not been covered ;
5. Visit to oil response module and civil protection.

C) Other comments :

The Seminar was very interesting and useful.

**ANNEX VII**



**IMO**



**UNEP**

**REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE  
FOR THE MEDITERRANEAN SEA  
(REMPEC)**

# **CERTIFICATE**

**No.**

This is to certify that

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has attended

**THE REGIONAL SEMINAR  
ON RESPONSE TO OIL AND CHEMICAL SPILLS  
FOR GOVERNMENT ADMINISTRATORS AND SENIOR MANAGERS  
(MEDIPOL 2002)**

**Malta**

**29 October - 2 Novembre 2002**

*organized within the framework of the*

**MEDITERRANEAN ACTION PLAN**

*by the*

**REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE  
FOR THE MEDITERRANEAN SEA  
(REMPEC)**

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Rear Admiral Roberto PATRUNO  
Director



Visit of the participants in MEDIPOL 2002 to REMPEC offices on Saturday, 2 November 2002