

**REGIONAL TRAINING COURSE
ON PREVENTION, PREPAREDNESS AND RESPONSE TO ACCIDENTS INVOLVING
HAZARDOUS SUBSTANCES AT THE SHIP-SHORE INTERFACE**

MEDEXPOL 2001

REPORT

**REGIONAL TRAINING COURSE
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REPORT

INTRODUCTION

1. From Monday, 10 December to Friday 14 December 2001 the Regional Marine Emergency Response Centre for the Mediterranean Sea (REMPEC), organized in Genoa, Italy, the Regional Training Course on Prevention, Preparedness and Response to Accidents Involving Hazardous Substances at the Ship-Shore Interface, MEDEXPOL 2001.
2. The Seminar was held at Harbour Master premises following the kind offer of the Italian Coast Guard to assist REMPEC in organizing the course
3. MEDEXPOL 2001 was organized as part of REMPEC's training programme agreed upon by REMPEC Focal Points Annual Meeting and subsequently endorsed by the Ordinary Meeting of the Contracting Parties to the Barcelona Convention.
4. The Seminar was prepared according to guidelines adopted to provide a more specialized training to the participants and to deal with advanced topics.
5. The objectives of MEDEXPOL 2001 were defined as follows:
 - to provide the participants with updated information on various aspects of preparedness and response to accidental marine pollution by chemicals and other harmful substances, including, in particular, the management of response operations, new developments in relevant international regulations and international co-operation.
 - to train the participants in properly and effectively managing public relations during marine pollution accidents and to develop their skills required for communicating with mass media;
 - to enable the participants to actively participate in comprehensive simulated harbour chemical spill response exercises.

ORGANIZATION

- 6 The organization of MEDEXPOL 2001 was shared between REMPEC which had the leading role in the overall organization of the Seminar and the Harbour Master of Genoa providing logistic support.
7. 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
 - preparation of necessary travel arrangements
 - 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
- making necessary travel arrangements for accommodation of lecturers and trainees.
- local transport (airport/hotel/airport) for the participants
- coffee breaks
- interpreting from/to English, French and Italian
- interpreting equipment

8. Harbour Master of Genoa was responsible for ensuring liaison with national and local authorities and organizations, and for providing:

- venue of the Seminar (conference room)
- audio visual equipment (overhead, slide, Power Point and video projectors)
- secretarial services
- shuttle service (hotel/harbour conference building/hotel) for the participants

9. On Day 3, Harbour Master of Genoa made available a local contractor tug vessel to visit the harbour sea area and in particular the terminal container where the table-top exercises were simulated.

10. On Day 3, REMPEC offered to the participants a visit to the Aquarium of Genoa as well.

11. With a view to assisting REMPEC in preparing, organizing and delivering the Seminar, the Centre signed a contract with Mr. Guido Matteini (Studio GM) who acted as the Seminar Technical Director and was in charge of logistic aspects of the organization of MEDEXPOL 2001.

12. Mr. Pierangelo Celli, professor at the University of Genoa, was appointed Seminar Scientific Director, being assisted by Lorenzo Schiavo Di Pepe and Pierangelo Celle, professors at the same university.

13. Likewise the other regional training activities organized by REMPEC, the official languages of MEDEXPOL 2001 were English and French and all lectures were simultaneously interpreted into English, French and Italian languages.

14. MEDEXPOL 2001 Regional Seminar was held in a Conference Room of the Harbour Master of Genoa that was kindly made available by the Italian Coast Guard.

15. All participants in the Seminar, including lecturers were accommodated in the Hotel Jolly, located in the Centre of Genoa and connected to Harbour area by a shuttle service. Transfers of participants from the airport to the hotel and vice versa was provided by REMPEC; transfers from the hotel to conference room and vice versa was provided by courtesy of Harbour Master of Genoa.

16. The working hours of the Seminar were 09.00 to 17.00 with a lunch break between 13.00 and 14.00 hours.

17. The Seminar was inaugurated on Monday, 10 December 2001. During the Opening session the participants were welcomed on behalf of the host country by Admiral Raimondo POLLASTRINI, Maritime Director of Liguria and Harbour Master of Genoa, who also gave the opening address. Admiral Roberto PATRUNO, Director, REMPEC addressed the participants on behalf of the Centre.

18. MEDEXPOL 2001 finished with the Closing Ceremony that was held on Friday 14 December 2001, in the afternoon. Admiral Raimondo POLLASTRINI addressed the session in the absence of Mr. Francesco VALENTINI, Marine Protection Service representative of Ministry of Environment, who had nevertheless sent a letter expressing his best wishes for the successful conclusion of the Seminar. Mr. Darko DOMOVIC, Technical Expert, REMPEC, thanked the host country and Italian Institutions who assisted in the organization of the Seminar, the lecturers who contributed to the Seminar, as well as the participants for their active participation in MEDEXPOL 2001.

PARTICIPANTS

19. Thirty-two participants (32) from seventeen Mediterranean Coastal States and one participant (1) from the EC attended MEDEXPOL 2001. The complete list of participants is given in ANNEX I.
20. MEDEXPOL 2001 Seminar was aimed at senior government administrators and senior managers designated or expected to be involved in the management, in their respective countries, of response operations at national level, in case of major or medium-size marine pollution incidents involving either chemicals or other hazardous substances. REMPEC invited its national Focal Points to designate participants from this target group, whose envisaged role in their respective national preparedness and response systems included decision-taking, emergency management and/or supervision in case of marine pollution incidents.
21. Since the Seminar was not meant to discuss the basics of preparedness for accidental marine pollution by chemicals or other hazardous substances and techniques and methods of response to it, national Focal Points were advised to select participants who already had a good understanding of main concepts and elements of preparedness and response.
22. Seventeen Mediterranean Coastal States and the European Community nominated their representatives, while Lebanon informed REMPEC that it would not be in position to send their participants.
23. REMPEC sponsored two participants from Algeria and Greece. Additional participants from Italy (10) and Tunisia (3) were sponsored by their respective national authorities.
24. The majority of participants in MEDEXPOL 2001 were civil servants (20 out of 32) from various ministries or governmental departments. Nine (9) came from ministries, departments agencies or services dealing with environmental affairs, and other eight (8) from offices related to maritime affairs. The remaining fifteen (15) participants were scientists and naval officers.

PROGRAMME

25. The programme of MEDEXPOL 2001, given in ANNEX II, was prepared bearing in mind the objectives of the Seminar, as given in paragraph 5, and was therefore divided in three distinct modules, which ended with a discussion between lecturers and participants. The concluding discussions (round table) were introduced for the first time with MEDEXPOL 2001.
26. Module 1, which was discussed the first day, focused on prevention, examining industrial harbours where chemicals are handled and risk classification, including monitoring of in-harbour navigation and its approaches, as well as relevant international agreements regulations.
27. This module presented examples, from the harbour of Genoa, reference was made to several different scenarios, though taking into account every logistic aspect connected with this kind of operation.
28. A total of six (6) lectures were included in this module and the concluding discussion was very interesting, because participants were able to share their experiences.
29. The second module was held in two days. In the first day the principles of preparedness and response to the chemical spills were illustrated, special attention was given to analysing the behaviour of such products in air, on the ground and in the sea, considering the related chemical-physical properties and their environmental impact. Safety issues for response and non-response personnel were discussed as well.
30. A total of seven (7) lectures were included in this module. The concluding discussion was very interesting too as different solutions were shared.
31. The second part of this module was dealt with in the third day. The following issues were examined: response in terms of command and management of operations as well as ashore logistics,

with particular stress on waste management.

32. In this part, three lectures were given and some videos were shown presenting case studies.

33. The third day ended with a visit of the harbour of Genoa, onboard a tug vessel of the local Contractor. The areas (sea-land) included in the table top exercise scheduled for the fifth day were also part of the visit.

34. Module three was discussed on the fourth day. This module focused on issues related to media management and to liability and compensation for chemical accidents in port areas. The role of E.C. in marine emergencies was illustrated by the ENV Dep. representative who took part in the Seminar. Finally, after the discussion on media and communication issues (which was followed with great interest and enthusiasm by all participants) the REMPEC staff and the Representatives of the Italian Coast Guard gave details on the table top exercise scheduled for the following day.

35. On the fourth day, three lectures were given detailing the issues being discussed.

36. On the fifth day, all the participants participated in the table top exercise. Participants were divided into four groups, each group was made of people from different countries and speaking different languages on purpose.

37. The table top exercise simulated the turning over of a carriage in the port area, due to wrong manoeuvring of the driver from the ship to the warehouse (Calata Bettolo Terminal). Hazardous chemicals were spilt (Nitric Oxide –NO – non flammable toxic gas) impacting on the environment, the result was one death and several casualties, hurt/poisoned, a suitable response was to be adopted to rescue, to control the event depending on changing weather conditions, on safety, on health conditions, on road and harbour conditions, on the normal development of harbour activities and others.

38. Each group had to manage all the phases of the simulated emergency conditions while interacting with all the involved authorities and bodies. They used a PC (operating unit) wired to a central unit (co-ordinating and monitoring unit), managed by the people responsible for the simulated emergency conditions, and which recorded every single activity.

39. The simulated emergency condition was divided into six phases recorded on six separate information sheet. Upon request, from the central unit, each group could access information and logistic data (blueprints, databases, literature, etc.) available over the network.

40. At the end of the simulated emergency conditions, and after evaluating the records and reports from each group, the following "Team response analysis" was drafted:

- a) Team 1
Some initial difficulties in interacting with the Supervisor, also due to misunderstanding of the document.
Positive final report.
- b) Team 2
Good team interaction
- c) Team 3
More than satisfactory interaction.
Some improvement in the second part of the simulation
- d) Team 4
More than satisfactory interaction.

LECTURERS

41. The programme of the Seminar was presented by seventeen (17) lecturers. These included two (2) REMPEC staff members, three (3) Harbour Master Office of Genoa staff members, one lecturer from EU, Italian Registry of Shipping, Port Authority of Genoa, ECOGNOSI of Cyprus, Port of Rotterdam, IFREMER-Centre of Nantes, Genoa Fire Brigade, Swedish Coast Guard, University of Genoa, Brest Fire Brigade, Studio GM, EXXON Company.

42. The complete list of lecturers is given in ANNEX III.

DOCUMENTS

43. Documents distributed during MEDEXPOL 2001 included printouts of the presentations made by the lecturers, as well as specific papers prepared by them.

44. Since it was not possible to translate all the presentations and documents in time, most of the papers were given to the participants in the original language (English or French).

45. The list of documents distributed during MEDEXPOL 2001 is given in ANNEX IV.

EVALUTATION OF THE SEMINAR

46. On the last day of the Seminar the participants were asked to fill in "Evaluation Forms" prepared by REMPEC. These were aimed at obtaining an assessment of MEDEXPOL 2001, but also at gathering suggestions that could be used for planning future training activities.

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

48. All participants returned dully filled in evaluation forms. A summary of replies is given in ANNEX VI.

49. Most of the participants (81%) confirmed that the course met their expectations and another 15% indicated that it went "beyond" their expectations. 88% al participants judged the lectures, their visual support and videos as very good or good, while documents distributed to the participants were described as very good or good. From additional comments made by some of the participants, it could be understood that relatively low ranking of documents was due to the fact that not all of these were made available in both languages of the course.

50. As regards the benefits the participants expected from the Seminar, 96% of them indicated that they acquired new knowledge during the Seminar, which 21% described as "very much". 100% felt that this new knowledge will help them in their work, out of which more than one third expected that it would help them "very much". All participants described exercises as useful (39%) and "very useful" (61%). Equally, all participants judged meeting persons from other organizations as useful.

51. 95% of participants indicated that they were "very satisfied" (38%) or "satisfied" (57%), with the Seminar.

52. Nobody offered other comments or suggestions in writing, but almost the participants pointed out the opportunity to arrange the documents in both the languages of the course and on electronic devices.

CONCLUSIONS

53. The objectives of the Seminar organized by MEDEXPOL 2001 were to provide senior administrators and managers with information and updated training on accidental pollution response operations. Its programme aiming at the attainment of this goal dealt with organizational, operational,

legal, financial and ecological issues.

54. Participants showed great interest in the different training activities. The Seminar and in particular the discussions met their expectations. Therefore the main objective of the Seminar was achieved.

55. Once more, the Seminar module concerning communication media aroused great interest in participants.

56. All participants judged the exercises included in the programme very useful and their involvement was intensive. Table-top exercise results indicated the Seminar goal was completely achieved.

**ANNEX I
LIST OF PARTECIPANTS**

N°	COUNTRY	NAME	TITLE	WORKING ADDRESS	SPONSOR	CERT. N°
1	ALBANIA	Mr.Arben MALOKU	Specialist in Directory of Maritime Transport	Ministry of Transport Directorate of Maritime Transport Rruga SS Toptani Nr. 4	REMPEC	1988
2	ALGERIA	Dr. Abdelhafid LAOUIRA	Conseiller	Direction Générale de l'Environnement Ministère de l'Aménagement du Territoire et de l'Environnement 6, Avenue de l'Indépendance/palais Mustapha Bacha 16000 Alger	REMPEC	1989
3	ALGERIA	Mr. Mohamed NEMOUCHI	Sous-Directuer des Ports	Direction des Ports Ministère des Transports 119, rue Didouche Mourad 16000 Alger	REMPEC	1990
4	BOSNIA HERZEGOVINA	Ms. Ramina ALIC	B.Sc. Economist, Researcher	Directorate of Maritime Transport Hydro-Engineering Institute 1 Stejpana Tomica Street Sarajevo	REMPEC	1991
5	CROATIA	Ms Ljiljana DRAVEC	Head of the Unit for Environment	County of Istria Department of Physical planning Building aned Environment 52100 PULA Flanticka 29	REMPEC	1992
6	CYPRUS	Capt. Christos MATSIS	Port Manager	Cyprus Port Authority 23 Crete Street P.O Box 2207 1516 Nicosia	REMPEC	1993

N°	COUNTRY	NAME	TITLE	WORKING ADDRESS	SPONSOR	CERT. N°
7	EGYPT	Capt. Abdel Mon'em HOSNY	Senior Officer for Port Affairs	Egyptian Environment Affairs Agency 30 Misr Helwan Agriculture Road Maadi, Cairo	REMPEC	1994
8	EUROPEAN COMMUNITY	Cdr. Guido FERRARO	Captain	European Commission DG Environment Unit B.4, BU-9, 6/157 200 rue de la Loi 1049 Brussels	REMPEC	1995
9	FRANCE	Mme Magali DEVEZE	Port Autonome de Marseille	Direction de l'Aménagement et de l'Investissement Portuaires Mission Environnement	REMPEC	1996
10	GREECE	Mr Emmanuel PETROU	Chemical Engineer – Head Section Officer	Marine Environment Protection Division (MEPD) Ministry of Mercantile Marine 109 Ipsilantou Street 18532 Piraeus	REMPEC	1997
11	GREECE	Ltn. (HCG) Alexandros LAGOUROS	Lieutenant H.C.G.	Marine Environment Protection Division (MEPD) Ministry of Mercantile Marine 109 Ipsilantou Street 18532 Piraeus	REMPEC	1998
12	ISRAEL	Mr Ran AMIR	Head	Marine and Coastal Environment Division Ministry of Environment 3 Khayatt Street P.O. Box 33583 31333 Haifa	REMPEC	1999

N°	COUNTRY	NAME	TITLE	WORKING ADDRESS	SPONSOR	CERT. N°
13	ITALY	C.V. (CP) Ilarione DELL'ANNA		Italian Coast Guard Naval Academi V.le Italia 12 Livorno	REMPEC	2000
14	ITALY	C.C. (CP) Andrea CALCAGNO	Cdr. C.C. (CP)	Capitaneria di Porto di Genova Via G. Bruno 15/8 Genova	ITALY	2008
15	ITALY	C.C. (CP) Gianpaolo CONTI	LTC Capitano di Lungo Corso	Italian Coast Guard Viale Amm.io Mirabello 07024 La Maddalena (SS) Sardinia	ITALY	2009
16	ITALY	T.V. (CP) Bernardino GUARINI		Italian Coast Guard Direziomare Bari Corso De Tullio 70100 Bari	ITALY	2010
17	ITALY	T.V. (CP) Marco NOBILE	Dottore in Giurisprudenza	Capitaneria di Porto (Italian Coast Guard) 16100 Genova	ITALY	2011
18	ITALY	S.T.V. (CP) Lorenzo BADANO	S.T.V. (CP)	Italian Coast Guard Via Salgari 34/15 16100 Genova	ITALY	2012
19	ITALY	S.T.V. (CP) Nicola Maria CHIEPPA	S.T.V. (CP)	Italian Coast Guard Direziomare Ravenna Via Antico Squero, 5 48100 Ravenna	ITALY	2013

N°	COUNTRY	NAME	TITLE	WORKING ADDRESS	SPONSOR	CERT. N°
20	ITALY	S.T.V. (CP) Luca SAMMURI	Sottotenente di Vascello	Capitaneria di Porto Direziomare Livorno Piazza della Sanità, 1 Livorno	ITALY	2014
21	ITALY	Miss Cristina FARCHI		ICRAM Via di Casalotti 300 Rome	ITALY	2015
22	ITALY	Miss Camilla DELLA TORRE		ICRAM Via di Casalotti 300 Rome	ITALY	2016
23	ITALY	Miss Laura CEDRINI	Ingegnere	Servizi Ecologici s.r.l. Via Fiume 3 Finale Ligure Savona	ITALY	2017
24	MALTA	Mr Patrick MURGO	Manager (Civil Protection)	Civil Protection Department Ta Kandija l/s Siggiewi Malta	REMPEC	2001
25	MONACO	Mr Pierre BOUCHET	Chef de Section	Direction des Ports, Service de la Marine Département des Travaux Publics et des Affaires Sociales 6 quai Antoine 1er – B.P. 468 MC-98012 Monaco Cedex	REMPEC	2002
26	MOROCCO	Mr Tiranni LABZIOUI	Chef de la Division	Gestion des risques et de l'Environnement Office d'Exploitation des Ports 175, Bd. Mohamed Zerkoloni 20100 Casablanca	REMPEC	2003

N°	COUNTRY	NAME	TITLE	WORKING ADDRESS	SPONSOR	CERT. N°
27	SLOVENIA	Mr Davorin FANTULIN	Harbour Master	The Slovenian Maritime Directorate Ukmarjev Trg 2 6000 Koper	REMPEC	2004
28	SPAIN	Mr Sergio RODRIGUEZ		Spanish Maritime Agency (SASEMAR) C/Frueta No. 328011 Madrid	REMPEC	2005
29	TUNISIA	Mr Habib BEN CHAABANE	Ingenieur Adjoint	L'Agence National de Protection de l'Environnement Direction du Contrôle à l'Agence Nationale de Protection de l'Environnement Rue du Caméron - 1002 Belvédère Tunis	REMPEC	2006
30	TUNISIA	Mr Moncef FREJ	Deputy Director	Ministry of Transport Rue 8006, No 13 Montplaisir Av. MedV 1002 Tunis	TUNISIA	2018
31	TUNISIA	Mr Faiez ABID	Pilote à la Société TRASPA	Compagnie des Transports par Pipe Line Au Sahara TRASPA Direction Technique 3050 Skhira	TUNISIA	2019
32	TUNISIA	Lt.Cdr. Hamda DHAOUDI	Capitaine de Corvette à l'Etat Major de l'Armée de mer	Ministère de la Défense Nationale Base Navale Principale de Bizerte La Pecheria 7011 Bizerte	TUNISIA	2020
33	TURKEY	Mr Ufuk KUCUKAY	Engineer	Ministry of Environment General Directorate of Pollution, Prevention and Control Eskisehir Yolu, 8.Km. 06100 Ankara	REMPEC	2007

**ANNEX II
PROGRAMME**

DAY 1: Monday 10 December 2001		
TIME		INSTITUTION/LECTURER
9h00 – 9h30 (30 mins.)	Registration	REMPEC
9h30 – 10h30 (60 mins.)	Opening - Welcome addresses Introduction - Logistics - Introduction of the participants	REMPEC Harbour Master Local authorities
10h30 – 11h00 BREAK		
<i>TOPIC – PREVENTION</i>		
11h00 – 11h30 (30 mins.)	Chemical products – handled and stored in a port	Port Authority – Genoa (to be confirmed)
11h30 – 12h00 (30 mins.)	International regulatory arrangements applicable to the maritime sector for chemical products in the port area.	Ing. C. Conti, RINa
12h00 – 12h30 (30 mins.)	Control of navigation in a port and its approaches	Cdr. L. Borniotto, Cdr. Capurso and Cdr. Caligiore, Italian Coastguard
12h30 – 14h00 LUNCH		
14h00 – 14h30 (30 mins.)	The bulk transfer of dangerous liquids and gases between ship and shore	Dr. C. Papastavros, Ecognosi
14h30 – 15h15 (45 mins.)	International regulatory arrangements applicable to land transport and chemical products in the port areas and storage of chemical products in fixed installations (SEVESO)	Dr. C. Papastavros, Ecognosi
15h15 – 15h45 BREAK		
15h45 – 16h30 (45 mins.)	Quantifying chemical risks in a port area	Mr. G.C. de Jong, Port of Rotterdam
16h30 – 17h00	DISCUSSION	Prof. P. Celli (Moderator)
DAY 2: Tuesday 11 December 2001		
<i>TOPIC – PREPAREDNESS & RESPONSE</i>		
9h00 – 9h30 (30 mins.)	OPRC – HNS Protocol	Mr D. Domovic REMPEC
9h30 – 10h00 (30 mins.)	Assessing the physical and chemical hazards of products	Dr. M. Marchand IFREMER

10h00 – 10h30 BREAK		
10h30 – 11h00 (30 mins.)	How do released chemicals behave	Dr. M. Marchand IFREMER
11h00 – 11h30 (30 mins.)	Evaluating the impact of chemical products on the marine environment	Dr. M. Marchand IFREMER
11h30- 12h15 (45 mins)	Safety of non-response personnel - Evacuation versus in place sheltering	Cdr. Fire Brigade Genoa
12h15 – 14h00 LUNCH		
14h00 – 14h45 (45 mins.)	Safety of land-based response personnel	Cdr. I. Bergströms, Swedish Coast Guard
14h45 – 15h30 (45 mins.)	Safety of response personnel/Diving in contaminated environments	Cdr. I. Bergströms, Swedish Coast Guard
15h30 – 16h00 BREAK		
16h00 – 17h00 (60 mins.)	DISCUSSION	Prof. P. Celli (Moderator)
DAY 3: Wednesday 12 December 2001		
9h00 – 9h45 (45 mins.)	Command and control during a chemical accident in a port	Cdr. L. Borniotto and Cdr. Capurso, Harbour Master – Genoa
9h45 – 10h30 (45 mins.)	Intervention at the ship-shore interface and chemical response options	Capt. H. Mahoudo, Brest Fire Brigade
10h30 – 11h00 BREAK		
11h00 – 11h45 (45 mins.)	Waste disposal and treatment	Cdr. G. Matteini, GMT
11h45 – 12h15 (30 mins.)	Case study (Video clips)	Capt. H. Mahoudo, Brest Fire Brigade
12h15 – 14h00 LUNCH		
AFTERNOON	VISIT TO THE PORT	

DAY 4: Thursday 13 December 2001		
9h00 – 9h45 (45 mins.)	Media management	Dr. D. Gigante,
9h45 – 10h30 (45 mins.)	Liability and Compensation for Chemical Accidents in Port Areas	Prof. P. Celle,
10h30 – 11h00 BREAK		
11h00 – 11h30 (30 mins.)	The role of E.C. in marine emergencies	Cdr. G. Ferraro, E.C. – ENV.
11h30 – 12h30 (60 mins)	DISCUSSION	Prof. P. Celle (Moderator)
12h30 – 14h00 LUNCH		
14h00 – 14h15 (15 mins)	Introduction to chemical spills	Harbour Master & REMPEC
	AFTERNOON FREE	
DAY 5: Friday 14 December 2001		
9h00 – 12h30	Chemical spill exercise	Participants
12h30 – 14h00 LUNCH		
14h00 – 15h00	Preparation of group reports	Participants
15h00 – 15h30	Presentation of group Reports/comments	Participants
15h30 – 16h00		
16h00 – 17h00	Round table discussion Presentations of certificates Closing ceremony	Prof. Celle (Moderator) REMPEC REMPEC-Harbour Master Local Authorities

**ANNEX III
LIST OF LECTURERS**

N°	LECTURERS	INSTITUTION	ADDRESS
1	R. Adm. Roberto PATRUNO	REMPEC Director	ph: +356 (21) 33 72 96-8 fax: +356 (21) 33 99 51 e-mail: rempec@rempec.org
2	Mr. Darko DOMOVIC	REMPEC Senior Programme Officer	ph: +356 (21) 33 72 96-8 fax: +356 (21) 33 99 51 e-mail: ddomovic@rempec.org
3	Ing. Mario CANEPA	Segreteria Presidenza Port Authority of Genoa Genoa – Italy	ph: + 39 (010) 2411 fax: +39 (010) 241 2850 e-mail: m.canepa@porto.genova.it
4	Ing. Carlo CONTI	RINa Adviser Genoa – Italy	ph: +39 (010) 538 53 85 fax: +39 (010) 538 55 53 e-mail: CARLO.CONTI@rina.org
5	Cdr. Lucio BORNIOOTTO	Italian Coast Guard Harbour Master Office of Genoa – Italy	ph: +39 (010) 27 771 fax: +39 (010) 27 77 427 e-mail: cozoma@musc.porto.genova.it
6	Cdr. Damiano CAPURSO	Italian Coast Guard Harbour Master Office of Genoa – Italy	ph: +39 (010) 27 771 fax: +39 (010) 27 77 427 e-mail: cozoma@musc.porto.genova.it
7	Cdr. Aurelio CALIGIORE	Ministry of Environment Environmental Marine Dep. Rome – Italy	ph: +39(06) 57 22 56 33 fax: +39(06) 57 22 56 79 e-mail: uocpa.ambiente@tiscali.net
8	Dr. Costas PAPASTAVROS	Unit of Environmental Studies Research & Development Centre – Intercollege – ECOGNOSI Cyprus	ph: +357 (2) 355 560 +357 (2) 841 609 fax: +357 (2) 355 622/ +357 (2) 357 964 e-mail: ecognos@intercollege.ac.cy
9	Dr. Gerco C. de JONG	Senior Port Consultant Port of Rotterdam Rotterdam – Holland	ph: +31(10) 252 1282 fax: +31 (10)252 1924 e-mail: gc.de.jong@port.rotterdam.nl
10	Dr. Michel MARCHAND	DEL/PC – Cellule Analyse des risques chimiques (arc) IFREMER Nantes - France	ph: +33 (02) 40 37 41 48 fax: +33 (02) 40 37 40 01 e-mail: Michel.Marchand@ifremer.fr
11	Cdr. Giorgio CHIMENTI	Genoa Fire Brigade Genoa – Italy	ph: +39 (010) 57 02 000 fax: +39 (010) 58 08 27 e-mail: vfispli01@interbusiness.it
12	Cdr. Ingmar BERGSTROM	Commander Swedish Coast Guard Central headquarters SWEDEN	ph: +46 (455) 35 34 00 fax: +46 (455) 105 21 email: Ingmar.bergstrom@coastguard.se
13	Capt. Herve MAHOUDO	Brest Fire Brigade Brest – France	ph: +33 (2) 98 34 55 55 fax: +33 (2) 98 34 55 00 e-mail: contact@cub-brest.fr
14	Cdr. Guido MATTEINI	Marine Consultant Studio GM Rome – Italy	ph: +39 (06) 39 03 02 57 fax: +39 (06) 39 88 63 08 e-mail: info@studiogmonline.com
15	Dr. Dino GIGANTE	Media Senior Adviser Venice – Italy	ph: +39 (041) 522 12 54 fax: +39 (041) 522 12 54 e-mail: d.gigante@flashnet.it
16	Prof. Lorenzo SCHIANO DI PEPE	LL.M. University of Genoa Genoa - Italy	ph: + 39 (010) 20 991 fax: + 39 (010) 20 99 227 e-mail: lorenzschianodipepe@slac.it
17	Cdr. Guido FERRARO	European Commission Dg Environment Unit B.4, BU-9, 6/157	Ph: +32 (2) 299 04 24 Fax: +32 (2) 299 03 14 e-mail: Guido.Ferraro@cec.eu.int

**ANNEX IV
LIST OF DOCUMENTS**

N°	LECTURES	LECTURERS
1	Regional system for co-operation in the Mediterranean region and the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea	R. Adm. Roberto PATRUNO
2	International regulatory arrangements applicable to the maritime sector for chemical products in the port area	Ing. Carlo CONTI
3	Navigation control in a port and its approaches against chemical pollution	Cdr. Lucio BORNIO Cdr. Damiano CAPURSO Cdr. Aurelio CALIGIORE
4	The bulk transfer of dangerous liquids and gases between ship and shore	Dr. Costas PASTAVROS
5	Quantifying chemical risks in a port area	Mr. Gerco C. de VONG
6	OPRC – HNS Protocol	Mr. Darko DOMOVIC
7	Short-term behaviour of chemicals spilled in the marine environment	Dr. Michel MARCHAND
8	Evaluating the impact of chemical products on the marine environment	Dr. Michel MARCHAND
9	Classification and hazard profiles of chemical substances	Dr. Michel MARCHAND
10	Safety of non-response personnel Evacuation versus in place sheltering	Cdr. Giorgio CHIMENTI
11	Safety of response personnel chemical accidents at sea	Cdr. Ingmar BERGSTROM
12	Command and control during a chemical accident in a port	Cdr. Damiano CAPURSO
13	Intervention at the ship-shore interface and chemical response options	Capt. Herve MAHOUDO
14	Waste disposal and treatment	Cdr. Guido MATTEINI
15	Media management	Dr. Dino GIGANTE
16	Compensation & Liability for chemical accidents in port areas	Prof. Lorenzo SCHIANO DI PEPE
17	DG Environment Organisation Chart	Cdr. Guido FERRARO.

ANNEX V

TRAINING COURSE : MEDEXPOL 2001
Genoa , 10 – 14 December 2001

EVALUATION FORM

1. Did the course 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 course?

Very much

Some

Not enough

4. Will the knowledge acquired during this course 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 course should have covered?

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

Yes

No

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

Very satisfied

Satisfied

Unsatisfied

9. Other comments?

ANNEX VI

TRAINING COURSE : MEDEXPOL 2001 Genoa , 10 – 14 December 2001

EVALUATION FORM

1. Did the course meet your expectations?

Beyond your expectations	15%
More or less on par with your expectations	81%
Below your expectations	4%

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

	Very good	Good	Quite good	Not good enough	TOTAL
Presentations	22%	66%	12%	-	100%
Illustrations	15%	75%	10%	-	100%
Documents	5%	40%	42%	13%	100%
Video	11%	58%	31%	-	100%

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

Very much	21%
Some	75%
Not enough	4%

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

Very much	28%
Enough	72%
No	-
Other comments	-

5. Were the exercises useful?

Very much	61%
Enough	39%
No	-
Other comments	-

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

(nobody offered comments or suggestions)

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

Yes	100%
No	-

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

Very satisfied	38%
Satisfied	58%
Unsatisfied	4%

9. Other comments?

(nobody offered comments or suggestions)



IMO



UNEP

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

CERTIFICATE

No.

This is to certify that

has attended

**THE REGIONAL TRAINING COURSE
ON PREVENTION, PREPAREDNESS AND RESPONSE TO ACCIDENTS
INVOLVING HAZARDOUS SUBSTANCES AT THE SHIP-SHORE INTERFACE**

**Genoa, Italy
10 – 14 December 2001**

organized within the framework of the

MEDITERRANEAN ACTION PLAN

by the

**REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE
FOR THE MEDITERRANEAN SEA**

in collaboration with the

**HARBOUR MASTER
COAST GUARD HEADQUARTERS
GENOA**

*R. Admiral (CP)
Raimondo POLLASTRINI
Harbour Master Genoa*

*Prof. Sergio Maria CARBONE
Scientific Co-ordinator*

*R. Admiral
Roberto PATRUNO
REMPEC Director*



OMI



PNUE

**CENTRE REGIONAL MEDITERRANEEN
POUR L'INTERVENTION D'URGENCE
CONTRE LA POLLUTION MARINE ACCIDENTELLE
(REMPEC)**

CERTIFICAT

No.

Il est certifié que

a participé au

**COURS DE FORMATION REGIONALE SUR LA PREVENTION,
LA PREPARATION ET L'INTERVENTION CONTRE LES ACCIDENTS
METTANT EN CAUSE DES SUBSTANCES DANGEREUSES
DANS LA PHASE D'OPERATION
D'EMBARQUEMENT / DEBARQUEMENT DES NAVIRES**

**Gênes, Italie
10 – 14 décembre 2001**

organisé dans le cadre du

PLAN D' ACTION POUR LA MEDITERRANEE

par le

**CENTRE REGIONAL MEDITERRANEEN
POUR L'INTERVENTION D'URGENCE
CONTRE LA POLLUTION MARINE ACCIDENTELLE**

avec la collaboration du

**CAPITAINEURIE DU PORT
GARDE COTIERE
GENES**

*Le Commandant de la
Capitainerie du Port de Gênes
Contre-amiral (CP)
Raimondo POLLASTRINI*

*Prof. Sergio Maria CARBONE
Coordonnateur Scientifique*

*Le directeur du REMPEC
Contre-amiral
Roberto PATRUNO*



GUARDIA COSTIERA

