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UNEP-PNUE

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



EURO-MEDITERRANEAN PARTNERSHIP

EUROMED COOPERATION ON MARITIME SAFETY AND PREVENTION OF POLLUTION FROM SHIPS
(SAFEMED)

EU-Funded MEDA Regional Project MED 2005/109-573

POLLUTION PREVENTION & CONTROL (INFOPOL) TRAINING COURSE

**Brest and Marseilles, France
11 - 21 June 2007**

SAFEMED Project Task 3.5 O

REPORT

EUROMED

INTRODUCTION

1. A ten day training course on pollution prevention and control (hereinafter referred to as INFOPOL) was held in Brest, France, within the premises of the Centre de Documentation de Recherche et d'Expérimentation sur les pollutions accidentelles des Eaux (CEDRE) and in Marseilles, France, at the Port Autonome de Marseille, between Monday 11th and Thursday 21st June 2007. The course was organized by CEDRE at the request of the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC), within the framework of the MEDA Regional Project "Euromed Cooperation on Maritime Safety and Prevention of Pollution from Ships – SAFEMED" (MED 2005/109-573) financed by the European Community (hereinafter referred to as "the SAFEMED Project").
2. The INFOPOL course was organised in terms of Task 3.5 O (Short training on pollution prevention and control) of Activity 3 (Protection of the marine environment) of the SAFEMED Project which is being implemented by REMPEC in ten Euromed Mediterranean partners, namely Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestinian Authority, Syria, Tunisia and Turkey.

PARTICIPATION

3. The organisation of the INFOPOL course and the participation of one representative from the beneficiaries of the SAFEMED Project at the course was financed by the SAFEMED Project. Nominated participants from all beneficiaries except Jordan, due to last minute difficulties, attended the course.
4. In addition to the SAFEMED Project-sponsored nominees, the International Maritime Organisation/ International Petroleum Industry Environmental Conservation Association - West and Central Africa (IMO/IPIECA-WACAF) project supported the participation of five people and the French Foreign Affairs Ministry, through its cooperation program nominated three. Two participants registered individually.
5. The nominated participants came mainly from two backgrounds: about two-thirds of them came from the Environment Ministries of their respective countries or were involved in oil pollution prevention in the relevant departments of the Transport Ministries, while the remaining third occupied management positions in the maritime affairs services. A complete list of participants is attached in **ANNEX I** to this report.

OBJECTIVES

6. The main objectives of the INFOPOL Course were:
 - (a) to familiarise participants with relevant international conventions on pollution prevention and control;
 - (b) to provide the participants with an insight on oil spill control systems together with practical training; and
 - (c) to provide information on liability and compensation for oil pollution damage.

TRAINING COURSE CONTENT AND SCHEDULE

7. The content of the INFOPOL Course and schedule were discussed and agreed upon with CEDRE prior to and as part of the preparations and organisation of the INFOPOL Course. The INFOPOL Course content was based upon the main objectives mentioned above. Moreover, the participants were provided with the opportunity to gain practical experience to respond to oil spill incidents thanks to the use of the CEDRE facilities. Hence the INFOPOL

Course schedule was prepared with a view to cover both technical and legal aspects, as well as practical ones. A copy of the INFOPOL Course schedule is given in **ANNEX II** to this report.

ORGANIZATION AND LOGISTICS

8. In accordance with Task 3.5 O of the SAFEMED Project, Mr. Albert Bergonzo, Project Officer, Maritime Administration, assisted in the organisation, together with other SAFEMED Project staff, of the INFOPOL Course managed by officials from CEDRE. All the participants were issued with economy class air tickets and assisted to obtain the required French entry visa in time. During the first week, participants were accommodated at the Oceania Hotel, Brest whilst during the second week they were accommodated at the Residence du Vieux Port, Marseilles, on a Bed & Breakfast basis. CEDRE provided lunch and transport to and from the Hotel to the CEDRE premises on a daily basis, as did the Port Autonome de Marseille during the second week. Transport to and from Brest-Guipavas airport (and subsequently Marseille-Marignane airport) to the Hotel and vice versa, was also organised for all the participants. Air transport between Brest and Marseilles was organised by CEDRE. In order to assist the SAFEMED-sponsored participants in all their needs, including the payment of the Daily Subsistence Allowance and other incurred expenses, and to ensure the smooth running of the INFOPOL Course itself, Mr. Albert Bergonzo was present throughout the duration of the INFOPOL Course. Mr. Bergonzo also delivered a presentation on the OPRC and HNS Conventions whilst Mr. Frédéric Hébert, Director of REMPEC, delivered two presentations on the role of REMPEC in oil pollution response and on the return of experience gathered from past incidents.
9. Simultaneous interpretation in English/French made it possible for all participants to follow lectures and raise questions. Interpreters must be praised for their capacities to work even in difficult conditions during the site visits.

THE INFOPOL COURSE

10. The INFOPOL Course was well organised and professionally delivered by CEDRE. Main topics included: Prevention of oil pollution at sea, Anticipation of the behaviour and impact of the products spilled, Choice of an adequate strategy and equipment, Preparation to the next pollution, Identification of responsibilities and compensation, Reliance on ports, Collaboration with the oil industry, International cooperation. Lecturers came from various backgrounds: CEDRE scientists, oil pollution response crews, lawyers, French Navy and maritime affairs officials, Port Authority officials, REMPEC staff, and oil industry representatives. The variety of topics and presentation from various professional perspectives generated much interest from the participants throughout the whole duration of the course.
11. At the beginning of the INFOPOL Course, participants were asked what they expected from the course. Each participant had his own reply given their various backgrounds and different levels of experience. As the INFOPOL course unfolded, it appeared that one of the aspects that generated most interest was the presentation of response equipment and subsequent deployment with an actual oil spill in CEDRE's deep-water tank. Among the visits that were organised, the guided tour of the French stock of maritime pollution response equipment (POLMAR), impressed most participants. At the end of the course, all participants confirmed that they acquired and obtained the expected knowledge and training and that they were all satisfied with the INFOPOL Course. This was reflected in the Evaluation Sheets completed by all participants at the end of each training session. The first part in Brest received generally better ratings than the second part in Marseilles. A synthesis of these 'Evaluation Sheets' is attached in **ANNEX III** to this report.

CONCLUSION

12. The INFOPOL Course, with its mix of theoretical lectures, on-site visits and practical experimentations, was a great success. This was evident from the response received from the participants both during the course and also after its conclusion, and through the Evaluation Sheets. The participation of people from different parts of the world (mostly Mediterranean basin, West and Central Africa and South America) provoked fertile exchanges of practices and experiences. Also the vast variety of lecturers allowed encompassing a wide range of approaches in the fight against oil spills.

13. Finally, it is recommended that the INFOPOL Course should be, in as much as finance is available, supported by REMPEC as part of its future activities. A possible cost-cutting measure would be to reduce its duration to one full week in Brest, by eliminating redundancies.

ANNEX I

List of Participants

INFOPOL 2007

Brest and Marseilles, France, 11 - 21 June 2007

PARTICIPANTS

COUNTRY	NAME
ALGERIA	Mr. Miloud AYATA
EGYPT	Capt. Tarek SHAHIN ALY SHAHIN
ISRAEL	Mr. Yechiel KALUSKI
LEBANON	Mr. Georges BERBARI
MOROCCO	Mr. Mustapha EL KHARRASSI
PALESTINE	Mr. Ziad OBAID
SYRIA	Eng. Ali DAYOUB
TUNISIA	Mr. Larbi BOUGUERRA
TURKEY	Mr. Unal BAYLAN

ANNEX II
PROGRAMME

INFOPOL 2007

Cedre, Brest: 11-15 June
Marseilles Harbour: 18-21 June

PROGRAMME

Monday, 11 June

- 09:00** Opening of the seminar - Welcome address
Michel Girin, director of Cedre
Presentation of the delegates
Presentation of *Cedre*
Overview of the programme
Arnaud Guéna, Head of Training Department, Cedre
- 10:30** Coffee break

TOPIC 1/ PREVENTING OIL POLLUTION AT SEA

- 10:45** French organization as regards prevention of pollution by ships
Arnaud Guéna
- 12:00** Lunch at *Cedre*
- 13:30** Guided tour of *Cedre* technical facilities
Arnaud Guéna
- 14:45** Responsibility and activities of the French government at sea: maritime traffic monitoring, assistance to ships, pollution location.
Maritime Prefecture for the Atlantic, French Navy
- 16:00** Coffee
- 16:15** International conventions as regards pollution prevention and response
The MARPOL Convention and Annex I for special areas and Annex V for discharges by ships
Yann Rabuteau, Allegans Network
- 18:00** Cocktail given by *Cedre*
- 19:00** Back to hotel

Tuesday, 12 June

08:15 Departure to the CROSS CORSEN MRCC (Maritime Rescue Co-ordination Centre)

09:00 **Guided tour of the Centre**

10:15 Departure to the port of Brest

11:00 **Visit of the salvage tug Abeille Bourbon**

12:15 Back to *Cedre*

12:30 Lunch at *Cedre*

**TOPIC 2/ ANTICIPATION OF THE BEHAVIOUR AND IMPACT OF THE PRODUCTS
SPILLED**

14:00 Behaviour and drift of the products spilled at sea
Anne Le Roux and Stéphane Le Floch, Response Department

15:15 Coffee

15:30 Decision support tools
Demonstration at *Cedre CP*
Vincent Gouriou, Response Department

16:30 Chemical pollution incidents: case presentation (the *Ievoli Sun* or the *Ece*)
Stéphane Le Floch

17:30 Back to hotel

Wednesday, 13 June

TOPIC 3/ CHOOSING ADEQUATE STRATEGY AND EQUIPMENT

- 09:00** The use of dispersants
François Merlin, Head of Research & Development Department, Cedre
- 10:30** Coffee
- 10:45** Containment and recovery at sea and in coastal areas
Georges Peigné, Head of Response and Response Means, Deputy Manager, Cedre
- 12:15** Lunch at *Cedre*

Afternoon: time off or visit of Océanopolis

Thursday, 14 June

- 09:00** Shoreline cleanup techniques: efficiency and limits
Loïc Kerambrun, Head of Pollution monitoring Department
- 10:30** Coffee
- 10:45** Response to chemical spills
Fanch Cabioc'h, Head of Response Department - Cedre
- 12:00** Lunch at *Cedre*
- 13:30** Departure to the POLMAR stockpile
- 13:45** **Guided tour**
- 15:15** Departure to Brest naval base
- 15:30** **Visit of the French response ship Argonaute**
- 17:00** Back to hotel

Friday, 15 June

09:00 Presentation of response equipment
Implementation with oil in *Cedre* deep-water tank
Cedre

12:30 Lunch at *Cedre*

TOPIC 4/ GETTING PREPARED TO HANDLE THE NEXT POLLUTION

14:00 Contingency planning
Marc Lavenant, Head of Plans and Audits Department, Cedre

15:15 Coffee

15:30 Future prospects in the field of pollution response
Arnaud Guéna

Conclusion of Brest session

17:00 Back to hotel

19:00 Delegates meet in the lobby

19:30 Dinner given by *Cedre*

22:00 Back to hotel

Saturday, 16 June

09:30 Departure to Brest airport

11:05 Departure to Marseilles

12:40 Arrival in Marseilles
Transfer by bus to the hotel

Afternoon off

Marseilles, Sunday 17 June

Day off

Marseilles, Monday 18 June

- 08:30** Bus leaves hotel
- 09:00** Opening and welcome address
Presentation of Marseilles Harbour
Presentation of the programme
Presentation of the delegates
Marseilles Harbour Authority
- 10:30** Coffee

TOPIC 5/ IDENTIFYING RESPONSIBILITIES AND OBTAINING COMPENSATION

- 10:45** The roles and responsibilities of the maritime transport industry
Bernard Dreyer, Saunier Dreyer Society
- 12:00** Lunch at the Harbour
- 13:30** The legal frame of pollution compensation (civil liability and penal responsibility)
Eltvedt O'Sullivan Society
- 14:30** The role of the insurance companies
Eltvedt O'Sullivan Society
- 15:30** Coffee
- 15:45** The conventions and compensation funds
Eltvedt O'Sullivan Society
- 16:45** Repression of illegal discharges
Court of First Instance of Marseilles
- 18:00** Cocktail given by Marseilles Harbour
- 19:00** Back to hotel

Tuesday, 19 June

TOPIC 6/ EQUIPPING AND RELYING ON PORTS

- 09:00** The notion of Port of refuge
Maritime Prefecture for the Mediterranean
- 10:15** Coffee
- 10:45** Organization of the response to pollution in ports
Harbour Authority
- 12:00** Lunch at the Harbour
- 13:30** Port State control
Ships Safety Centre
- 14:30** Reception and treatment of various types of waste from ships
Presentations by:
Environment department, Marseilles Harbour
- 15:30** Visit of Marseilles Harbour oil installations and waste reception facilities
Marseilles Harbour
- 18:00** Back to hotel

Wednesday, 20 June

TOPIC 7/ ACTING IN COLLABORATION WITH THE OIL INDUSTRY

- 08:30** Departure to the FOST (Fast Oil Spill Team) in Rognac
- 09:00** Presentation of the FOST and presentation of oil co-operatives (OSRL, EARL, CCA)
Jean-Luc Kerdilès, Total
- 10:30** Coffee
- 10:45** Visit of FOST facilities and presentation of response equipment
Christian Bregon, FOST
- 12:15** Lunch
- 14:00** Cooperation with the oil industry: presentation IPIECA, MOIG...
Dirk Martens, Total
- 15:15** Coffee
- 15:30** Back to Marseilles

Thursday, 21 June

TOPIC 8/ INTERNATIONAL COOPERATION

- 09:00** French response equipment available in the Mediterranean: display of the equipment used at sea by the French Navy.
French Navy
- 12:00** Lunch
- 13:30** Cooperation through the OPRC 1990 and OPRC HNS Conventions
Albert Bergonzo, Rempec
- 14:30** Regional cooperation schemes: the Mediterranean model
Experience feedback on the pollution in Lebanon
Frédéric Hébert, Director of Rempec
- 16:30** Coffee
- 16:45** Evaluation of the seminar: participants' comments and feedback.
- 17:30** Conclusion of the seminar
Rempec, Marseilles Harbour, Cedre
The delegates receive the course certificate, a CD-Rom bearing all course material and a photo of the group of participants.
- 18:00** **END OF THE SEMINAR**
- 19:30** Departure to Marseilles airport
- 20:50** Arrival in Paris-Orly airport



ANNEX III
EVALUATION SHEETS

Stage INFOPOL Session brestoise

11-15 juin 2007

Critères Formation

Logistique	Hébergement	Restauration	Organisation	Moyens	moyenne
	16,89	16,22	18,89	18,44	17,61

Pédagogie	Encadrement	Rythme	Doc et supports	Programme	moyenne
	18,67	18,00	18,00	18,53	18,30

Critères Conférenciers

Titre	Intervenant	Contenu	Forme	Moyenne
Perspectives d'avenir	A. Guéna	19,43	18,86	19,15
Phases pratiques	EPIF	18,93	19,20	19,07
Confinement et récupération	G. Peigné	18,75	18,75	18,75
Dispersants	F.-X. Merlin	18,75	18,75	18,75
Organisation française / prévention	A. Guéna	18,57	17,54	18,06
Visite du stock Polmar	J. Le Goïc	18,13	17,87	18,00
Nettoyage du littoral	L. Kerambrun	18,25	17,25	17,75
Comportement et dérive	Le Roux / Le Floch	17,85	17,54	17,70
Planification d'urgence	M. Lavenant	17,60	17,07	17,34
Action de l'Etat en Mer	CRC1 Garapin	17,71	16,57	17,14
<i>Ievoli Sun / Ece</i>	Cabioc'h / Le Roux	17,00	17,00	17,00
Conventions / MARPOL	Y. Rabuteau	17,14	16,29	16,72
Outils d'aide à la décision	V. Gouriou	17,14	16,29	16,72
Visite du CROSS Corsen	Affaires Maritimes	17,14	16,00	16,57
Intervention produits chimiques	F. Cabioc'h	16,57	16,29	16,43
Visite des installations du <i>Cedre</i>	A. Guéna	16,31	16,31	16,31
Visite <i>Abeille Bourbon</i>	Abeilles International	16,29	16,29	16,29
Visite du BSAD <i>Argonaute</i>	Ceppol	16,00	15,20	15,60
				17,41

Note moyenne du stage :

17,77

**Stage INFOPOL
Session marseillaise**

18-21 juin 2007

Critères Formation

Logistique	Hébergement	Restauration	Organisation	Moyens	moyenne
	12,88	14,13	16,25	15,75	14,75

Pédagogie	Encadrement	Rythme	Doc et supports	Programme	moyenne
	15,00	14,50	14,25	16,80	15,14

Critères Conférenciers

Titre	Intervenant	Contenu	Forme	Moyenne
Coopération Méditerranée + Liban	F. Hébert	18,40	18,67	18,54
Visite base navale Toulon	CC Marty / CC Bernard	18,75	18,25	18,50
Convention OPRC et HNS	A. Bergonzo	18,40	18,40	18,40
Contrôle Etat du port	P. Vinot	17,07	15,20	16,14
Organisation lutte portuaire	B. Brun	16,27	15,73	16,00
Réception déchets navires	M. Devèze	15,73	15,73	15,73
Rôles différents acteurs	B. Dreyer	16,00	15,43	15,72
FOST et coopératives	J.-L. Kerdiles	15,75	15,25	15,50
Rejets illicites	J.-L. Blachon	17,14	13,71	15,43
Procédures gestion déchets	F. Montcho	16,29	13,43	14,86
Coopération industrie pétrolière	J.-L. Kerdiles / P. de Susanne	14,25	13,50	13,88
Ports refuges	ACAM Célérier	14,40	12,80	13,60
Visite terminaux Fos	A. Bracaloni	13,14	12,33	12,74
Présentation PAM	B. Bretton	13,43	11,71	12,57
Responsabilités	L. Saulnier/V. Huens de Brouwer	12,00	10,29	11,15
Visite RTDH	C. Ebejer	12,40	9,78	11,09
Fonds FIPOLs et HNS	L. Saulnier/V. Huens de Brouwer	11,43	8,57	10,00
Rôle des assurances	L. Saulnier/V. Huens de Brouwer	10,77	8,92	9,85
				14,43

Note moyenne du stage :

14,77