



**POSOW**

Preparedness for oil-polluted  
Shoreline cleanup and  
Oiled Wildlife interventions



## **Report on the POSOW Lebanon National Pilot Training Course**



**21 – 23 September 2016  
Beirut, Lebanon**

POSOW II is a project co-funded by the European Union under the Union Civil Protection Mechanism in cooperation with REMPEC, ISPRA, DG-MARINWA, FEPORTS and AASTMT and coordinated by Cedre.



## Introduction

Under the auspices of the Lebanese Army – Navy forces, in collaboration with National partners - namely the Ministry of Environment, Ministry of Transport and Public works, Civil Defense & the NGO “Operation Big Blue Association” - and the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC), a National Pilot Training Course on Oiled Assessment and Clean-up, Volunteers Management and Waste Management was held on 21, 22, and 23 September 2016 in Beirut Naval Base, Lebanon.

The training targeted representatives of the Civil Protection and local authorities and NGO’s who could be involved, under the supervision of the competent authorities, on a voluntary basis, in oil spill response operations. The objective of the training was to provide knowledge on oiled shoreline assessment and clean-up as well as Volunteers and Waste Management.

This training was organised in the framework of the POSOW II Project co-funded by EU (DG ECHO) under the Civil Protection Financial Instrument and which is a follow-up to the project POSOW I, run in 2012 and 2013 and also funded by DG ECHO.

POSOW II is a 2-year project, 2015-2016, coordinated by Cedre (Centre of Documentation, Research and Experimentation on Accidental Water Pollution, France) and also involves REMPEC, ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy), FEPORTS (Instituto Portuario de Estudios y Cooperación de la Comunidad Valenciana, Spain), AASTMT (Arab Academy for Science, Technology and Maritime Transport, Egypt) and DG-MARINWA (General Directorate for Regulation of Maritime and Inland Waters, Turkey).

Thirty two (32) volunteers participated in the Training Course; the list of participants is attached to the present report in **Annex I**. The course was **delivered** in Arabic Language, as one of the Project languages:

- the course was presented by the Trainers who attended within the framework of the Project, the Train the Trainers session held, at Cedre premises in Brest, France, 26-29 April 2016;
- the course was delivered in Arabic language and the materials edited in Arabic (Brochures, Posters and Manuals) were used .

An opening Ceremony was organised and attended by representatives of the Navy, Ministry Of Environment, Ministry of Transport & Public Works, Ministry of Energy during which Captain Haissam Dannaoui, Chief of Beirut Naval Base, introduced the Training and Mr Malek Smaoui, OPRC Programme Officer, REMPEC, introduced the POSOW II Project.

## Course Delivery

### Day 1 – 21 September 2016

- **Opening and introduction of Training, Lecturers and Attendees**

Cpt. Haissam Dannaoui, welcomed the attendees, and gave an overview of the programme of the 3 days training course. The programme of the training course is reported in Arabic in **Annex II** (translated into English by REMPEC for the needs of this report.

A presentation of the Lecturers who have already followed the Train the Trainers session held in

Brest, France April 2016 was made followed by the presentation of the Attendees.

Mr Malek Smaoui presented the POSOW materials website, detailed information of how to reach documents and introduced the volunteers' database.

Mrs Darine Mawla, delivered a presentation on the national response system and the progress made for the National Oil Spill Contingency planning. She also shared experiences of the past oil spill of 2006.

- **Hazards associated with Petroleum Products**

Mr. Alain Mansour from TOTAL S.A Lebanon gave an overview of petroleum products and associated health risks. The presentation aimed at shedding the light on the adverse environmental and health impacts of petroleum products once accidentally released into the environment.

- **Oiled Shoreline Assessment**

Mr Jean Abi Chebel gave a presentation on shoreline assessment, including the main points to take into account when assessing a polluted shoreline. The posters on shoreline assessment were presented and used to illustrate the steps and objectives of this initial evaluation.

- **Oiled Shoreline Cleanup**

Cpt. Haissam Dannaoui gave a presentation on general-principles of cleanup techniques. He explained to the participants how to choose the relevant cleanup techniques and how to carry out work site organization.

Techniques used during the spill of 2006 were detailed to the participants

- **Oil Spill Waste Management**

Mrs Darine Mawla gave a presentation on Waste Management with detailed information about origin and category of oil waste, oil spill waste management preparedness and challenge, treatments and disposal options. The presentation was supplemented by two short videos on Shoreline Clean-up & Waste Management prepared by ITOF.

The first day was concluded by a pedagogic presentation delivered by Mrs Mawla related to the training preparation and implementation with special emphasis on training techniques and approaches.

## **Day 2 - 22 September 2016**

The second day Mrs Darine Mawla welcomed the participants and introduced the programme of the day: course during morning session and practical sessions during afternoon session to be held in the BNB water basin to test response technics on high sea.

To recapitulate on information gained on the first day, the participants were asked to share one

important message they retained from the first training day.

- **Volunteer Management**

Cpt. Haitham Chaaban made a general overview on volunteer management giving the main logistical elements to take into account to involved volunteers in the response. He highlighted all needs and procedures for a good integration of volunteers (accommodation, catering, transport...).

Mr Jean Abi Chebel gave a presentation on the logistics management and highlighted the possible roles of volunteers in a shoreline response, than presented the organization, chain of command and the integration of volunteers in this organization.

- **Hands on Practical Training**

The afternoon session was dedicated to practical training. It was performed in the BNB port. Captain Hassam Dannaoui presented the programme of the training. Three groups were created to participate successively in the Practical Session which included the following activities:

- Use of PPEs: Participants were requested to fully equip themselves with PPEs while participating in the Practical session. The objective was to increase awareness of trainee about the importance of PPEs use and challenges associated with operating in PPEs under extreme weather conditions
- Inflation and deployment of Booms and skimmers in water

### **Day 3 - 23 September 2016**

The third day Cpt. Haissam Dannaoui welcomed the participants and introduced the programme of the day.

- **Practical Training**

The last day of the training was initiated by a practical session during which participants were involved in the following activities:

- Walking through different stations on a simulated secured oil spill clean-up area. This activity familiarized the participants to the worksite organization concept as they walked through volunteers reception & signing up area, dressing area, contaminated area, decontamination station, muster area, first aid area, waste sorting & storage areas...
- Introduction of different Emergency Response Equipment, including barge, skimmer and its accessories, sorbents, booms, small RHIB s (Rigid Hull Inflatable Boat) and associated use during the spill
- Implementation of different SCAT tools

The practical training was performed in the worksite developed alongside the BNB water basin

## Conclusion of the training

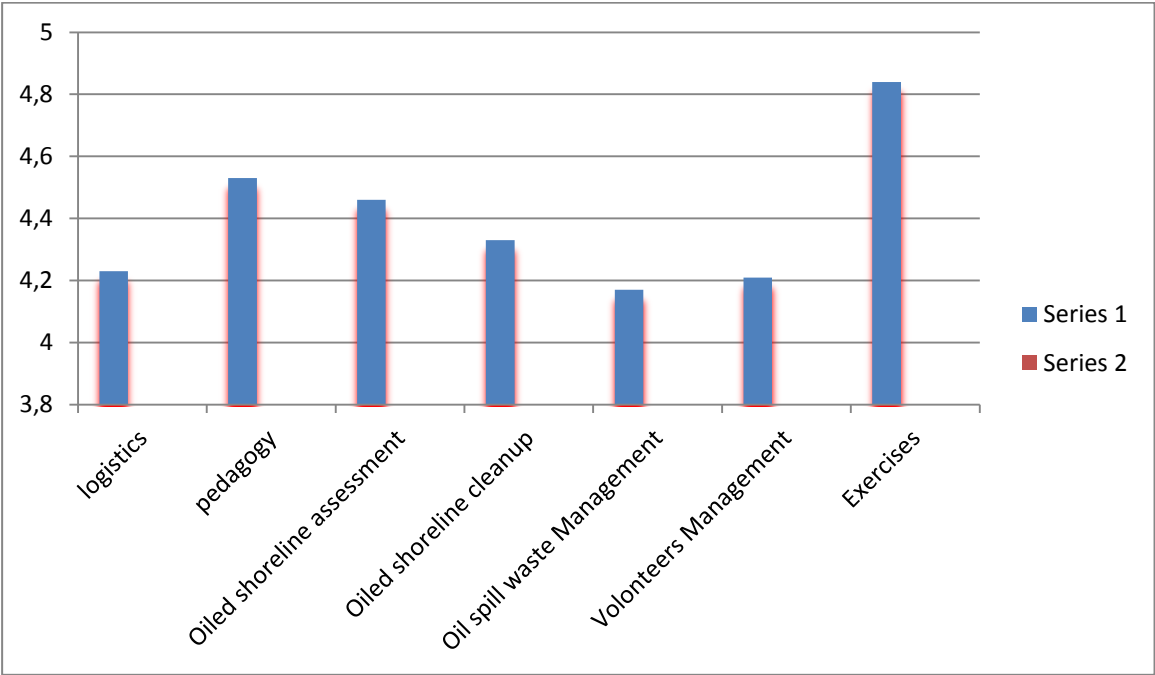
- Debate**

A lot of discussions and interactions between speakers and participants demonstrated the high level of interest of the participants. Participants emphasized that it was the first time that environmental NGOs cooperated with Authorities in a very efficient way. Most participants saw this training as the start of a new process for engagement and cooperation in Lebanon especially in the field of Oil Spill management. **Suggestions**

Lecturers as they are keen to sustain the efforts made so far in the field of oil spill response capacity building, will invest all efforts to replicate the conducted training at the national level, in a coordinated manner, each within its respective institution, and with available minimal resources. They actually created for this purpose, a common information sharing platform that aims at providing the group of national certified trainers with a simple mean for coordination/communication, for exchange of major oil spill response news and case studies, among other things.

- Evaluation of the training**

The participants were asked to fill in an evaluation sheet. The following graph summarizes the evaluation given by 32 participants. The rating is based on a scale from 1 to 5, 1 being bad and 5 being excellent.



- Certificate Delivery**

Cpt. Hassam Dannaoui and Mr Malek Smaoui delivered POSOW II certificates to the trained volunteers. They distributed 31 certificates (certificates number from 399 to 429). They thanked the volunteers for their participation and highlighted the importance of their involvement in the promotion of this program in their association and organization.

## **Annex**

## PHOTOS



From Left to Right:

Cpt Haissam Dannaoui: Lebanese Army Force, Navy

Mrs. Darine Mawla: NGO "Operation Big Blue Association"

Captain Haitham Chaaban: Ministry of Public Works and Transport and

Mr. Jean Abi Chebel: Civil Defence







Project Training material in Arabic



Training Room Exercise Briefing



Worksite developed for the Practical session



Towards the Off shore Exercise



Certificates Ceremony

ANNEX I

ع / م  
الجمهورية اللبنانية  
الجيش  
القوات البحرية  
قاعدة بيروت البحرية

لائحة إسمية بالعسكريين والمدنيين المعيّنين كمتدربين في تنفيذ تمرين مكافحة التلوث النفطي  
العسكريين:

الإسم والشهرة	الرتبة	
مكرم الحايك	ملازم أول بحري	Makram El Hayek
علاء عمرو	ملازم أول بحري	Alaa Amro
بهيج يونس	ملازم أول بحري	Bahij Youness
ميلاد مطر	معاون أول	Miled Mattar
وسيم أبو ابراهيم	معاون أول	Wissam Abou Ibrahim
حسن دياب	رقيب	Hassan Diab
اميل سابا	رقيب	Emile Saba

المدنيين:

الإسم والشهرة	المؤسسة		
كريم أسامة شبارو	وزارة الشؤون الاجتماعية Social Affairs	Wassim Oussama Chbaro	
بطرس نافع	وزارة النقل Ministry of Transport	Boutros Nafeh	
محمد المولى		Mohamad El Mawla	
طوني ماروني	وزارة الطاقة Ministry of Energy	Toni MArouni	
حلا المنجد	وزارة البيئة Ministry of Environment	Hala Al Mounjed	
ساندي عردو		Sandy Ardo	
علي صبرا		Ali Sabra	
روكز حبيقة		Roukoz Hobeika	
ريتشارد شلالا	الدفاع المدني Civil Protection	Richard Chalala	
نزيه الرئيس		Nazih El Rayess	
د. طارق شرف	NGO	Dr. Tarek Charaf	
محمد بزيع		Mohamad Bzeih	
عبد الستار عويضة		Abdel Sader Ouayda	
ربيع كباره		Rabih Kabbara	
جينتا تلج		Gina Talej	
عفت إدريس شتيلا		Effat Idriss	
خالد مرعبي		Khaled Merhebi	
نادر عز الدين		كشافة التربية الوطنية المفوضية البحرية SCOUT	Nader Ezzeddine
ألان منصور		شركة TOTAL	Alain Mansour
ميشال بوليكافيتش		المجتمع المدني Civil Society	Michelle Polikavich
المهندس عفيف نسيم نسيم	Afif Nassim Nassim		
ظافر علي كباره	Zafer Ali Kabbara		
جاد الرئيس	Jad El Rayess		

## ANNEX II



ورشة عمل تدريب المدربين حول موضوع الإستجابة لتلوث الشواطئ بالمواد النفطية

برنامج الورشة

قاعدة بيروت البحرية

من 21 إلى 23 أيلول 2016

المحاضرون	المؤسسات الممثلة
السيد جان أبي شبل	الدفاع المدني
الكابتن هيثم شعبان	وزارة النقل والأشغال العامة – مديرية النقل البري والبحري
العقيد الركن هيثم ضناوي	قيادة الجيش – القوات البحرية
السيدة دارين المولى	جمعية Operation Big Blue Association

اليوم الأول – 21 أيلول 2016

8:00 – 8:15	وصول وتسجيل حضور المشتركين
8:15 – 9:00	<p><b>افتتاح ورشة العمل:</b></p> <ul style="list-style-type: none"> <li>إلقاء كلمة الترحيب</li> <li>أهداف الدورة والنتائج المتوقعة</li> <li>لمحة عامة عن برنامج الدورة</li> <li>لمحة عن الخطة الوطنية لمكافحة التسرب النفطي</li> </ul>
9:00 - 10:00	<ul style="list-style-type: none"> <li>محاضرة حول تقييم الشواطئ الملوثة بالمواد النفطية</li> </ul>
10:00 – 10:15	إستراحة قهوة

<ul style="list-style-type: none"> <li>• العقيد البحري هيثم ضناوي</li> <li>• السيد جان أبي شبل</li> </ul>	<p>عملية تنظيف الشواطئ:</p> <ul style="list-style-type: none"> <li>- المبادئ العامة</li> <li>- تقنية تنظيف الشواطئ</li> <li>- تنظيم موقع العمل</li> </ul>	12:45 – 10:15
	إستراحة غداء	13:45 – 12:45
<ul style="list-style-type: none"> <li>• السيدة دارين المولى</li> </ul>	إدارة النفايات الملوثة بالمواد النفطية	14:45 – 13:45
<ul style="list-style-type: none"> <li>• السيدة دارين المولى</li> </ul>	فيديو: تنظيف الشواطئ وإدارة النفايات	15:30 – 14:45
<ul style="list-style-type: none"> <li>• السيدة دارين المولى</li> </ul>	جلسة حول موضوع التدريب	16:00 – 15:30
	نهاية اليوم الأول	16:00

### اليوم الثاني – 22 أيلول 2016

	وصول وتسجيل حضور المشتركين	9:00 – 8:30
<ul style="list-style-type: none"> <li>• الكابتن هيثم شعبان</li> </ul>	<p>إدارة المتطوعين:</p> <ul style="list-style-type: none"> <li>- لمحة عامة</li> <li>- الإدارة اللوجيستية</li> <li>- تسلسل القيادة</li> </ul>	10:15 – 9:00
	إستراحة قهوة	10:30 – 10:15
<ul style="list-style-type: none"> <li>• الكابتن هيثم شعبان</li> </ul>	<p>إدارة المتطوعين:</p> <ul style="list-style-type: none"> <li>- تسلسل القيادة (تكملة)</li> <li>- أدوار وواجبات المتطوعين</li> </ul>	11:45 – 10:30
<ul style="list-style-type: none"> <li>• السيدة دارين المولى</li> </ul>	حماية الحيوانات البرية المتضررة	12:30 – 11:45
	إستراحة غداء	13:30 – 12:30
<ul style="list-style-type: none"> <li>• كافة المدربين</li> </ul>	تدريب عملي	14:30 – 13:30
	إستراحة قهوة	14:45 – 14:30
<ul style="list-style-type: none"> <li>• كافة المدربين</li> </ul>	تدريب عملي	16:00 – 14:45
	نهاية اليوم الثاني	16:00

اليوم الثالث – 23 أيلول 2016

	وصول وتسجيل حضور المشتركين	9:00 – 8:30
• كافة المدربين	تدريب عملي	10:00 – 9:00
	إستراحة قهوة	10:15 – 10:00
• السيدة دارين المولى	جلسة حول موضوع التدريب: تمرين	12:15 – 10:15
	ختام الورشة وتوزيع الشهادات	12:45 – 12:15
	إستراحة غداء	13:45 – 12:45
	ختام البرنامج	13:45

## ANNEX III

### POSOW II NPTC PROGRAMME LEBANON

#### Training Programme/Lecturers

**Beirut, Republic of Lebanon  
23 - 26 September, 2016**

Lecturers	Representing
Mr. Jean Abi Chebel	Civil Defence
Captain Haitham Chaaban	Ministry of Public Works and Transport
Colonel Haissam Dannaoui	Lebanese Army Force, Navy
Ms. Darine Mawla	Operation Big Blue Association

#### DAY 1- September 21, 2016

08:00-08:30	Arrival and registration of participants	
08:30-09:00	<b>Official opening</b> <ul style="list-style-type: none"> <li>• Welcome Speech</li> <li>• Course aims and objectives</li> <li>• Course timetable and materials</li> <li>• Overview on the National Oil Spill Contingency Plan</li> </ul>	Col. Haissam Dannaoui Mr. Malek Smaoui Ms. Darine Mawla
09:00-10:00	Oiled Shoreline Assessment	Mr. Jean Abi Chebel
10:00-10:15	<i>Coffee Break</i>	
10:15-12:45	Oiled Shoreline Cleanup: <ul style="list-style-type: none"> <li>- General Principles</li> <li>- Clean-up Techniques</li> <li>- Worksite organization</li> </ul>	Col. Haissam Dannaoui Mr. Jean Abi Chebel
12:45-13:45	<i>Lunch Break</i>	
13:45-14:45	Oil Spill Waste Management	Ms. Darine Mawla
14:45-15:30	Video: Shoreline Clean-up & Waste Management	
15:30-16:00	Pedagogic session	
<b>16:00</b>	<b>END OF DAY 1</b>	



**DAY 2 –September 22, 2016**

08:30-09:00	Arrival and registration of participants	
09:00-10:15	Volunteer Management: <ul style="list-style-type: none"> <li>- Overview</li> <li>- Logistics Management</li> <li>- Chain of Command</li> </ul>	Captain Haitham Chaaban
10:15-10:30	<i>Coffee Break</i>	
10:30-11:45	Volunteer Management: <ul style="list-style-type: none"> <li>- Chain of Command (continued)</li> <li>- Expected Roles &amp; Duties for volunteers</li> </ul>	Captain Haitham Chaaban
11:45-12:30	Oiled Wild Life Response	Ms. Darine Mawla
12:30-13:30	<i>Lunch Break</i>	
13:30-14:30	Practical Training	All Lecturers
14:30-14:45	<i>Coffee Break</i>	
14:45-16:00	Practical Training	All Lecturers
<b>16:00</b>	<b>END OF DAY 2</b>	

**DAY3- September 23, 2016**

08:30-09:00	Arrival and registration of participants	
09:00-10:00	Practical Training	All Lecturers
10:00-10:15	<i>Coffee Break</i>	
10:15-12:15	Pedagogic Session: Training Exercise	Ms. Darine Mawla
12:15-12:45	Closing & Certificate Distribution	Col. Haissam Dannaoui Mr. Malek Smaoui
12:45-13:45	<i>Lunch Break</i>	
<b>13:45</b>	<b>END OF DAY 3</b>	

