



Cedre NEWSLETTER

A monthly publication
by the Centre of Documentation, Research
and Experimentation, on Accidental Water Pollution

ISSN : 1961 - 9553

N° 249 E – News from September 2016

Emergency response

Cedre was mobilised this month for several exercises. We provided safety data for 5 products (melted phenol, styrene, hydrogen peroxide, dichloroethane and liquefied ammonia gas) during a **MAR-ICE** exercise launched by the Finnish Environment Institute (**SYKE**) and modelled the behaviour of certain of these substances. Cedre was also mobilised, both from its response centre in Brest and via an on-site observer, as part of a **POLMAR-Land** exercise in Charente-Maritime (France). The scenario was based on the grounding, on the island of Aix, of a vessel transporting a cargo of wood, leading to a leak of bunker fuel and diesel. We were notified of a **POLMAR-Sea** exercise in the Var area involving a fire aboard a ferry and an oil spill. We also responded to a request from **MRCC Joburg** for drift modelling using the **MOTHY** software following satellite observation and a question from **MRCC La Garde** relating to aerial reconnaissance of a spill.

Several enquiries were also made by the fire brigade following spills or threats of spills, in particular relating to the reactivity of a mixture (formed unintentionally) of 2 substances: aluminium polychlorosulphate and sulphuric acid, as well as an incident involving a chlorine leak.

Finally, we were called upon by the Bouches-du-Rhone (France) authorities (**DDTM 13**) to explain the probable behaviour of zirconium oxide in the marine environment following a spill of sludge generated by industrial processing.

In short

Training courses

- ▶ On 20th, second session of the **Ceppol** basic pollution response training course, 18 participants

Visits

- ▶ Visit from a delegation from **Séché Environnement**
- ▶ Visit from Philippe Laimé, Director of **Piriou Négoce**, on 14th September to present a project currently under consideration to develop a port cleaning vessel

Dates for the diary

- ▶ **Sea Tech Week**, 10th to 14th October, Quartz Congress Centre, Brest.
- ▶ **Cedre Information Day**, 13th October 2016, at the Chamber of Commerce and Industry in Brest

European Researchers' Night in Brest

For this 2016 edition on the theme of ideas, Cedre invited visitors to confront their preconceived ideas about chemicals. Following a quiz demonstrating how omnipresent chemicals are in our everyday lives, an odour workshop explored the relationship between danger and smell. Finally an activity on the behaviour of substances spilt in water was on offer. With over 4,000 visitors throughout the evening, this event once again met with great success. See the video on our [YouTube channel](#).

ARCOPOLplatform awarded at the Atlantic Stakeholder Conference

The aim of the **ARCOPOLplatform**, completed in 2015, was to improve maritime safety and reinforce the protection of coastal regions from maritime pollution in the Atlantic area, by drawing upon the results obtained through the previous European projects **ARCOPOL** and **ARCOPOLplus**. On 27th September, this initiative was awarded in the "Atlantic marine and coastal environment" category at the third Atlantic Stakeholder Conference held in Dublin. Cedre took part in these three projects as a technical adviser for the French regions involved and for other partners with which it built solid links and has been actively cooperating since.

Preparation for Interspill 2018

The first meeting of the Interspill 2018 Advisory Committee was held in London on 21st September. Representatives of **EMSA**, Cedre, **IPIECA**, the **IOPC Funds**, **ITOPF**, **NOSCA**, **OSRL**, **SYCOPOL** and **UKSpill** gathered in the IPIECA offices to discuss the restructuring of the organisation, the format to be adopted and the major issues to be addressed during the event scheduled for 13th to 15th March 2018 in London.

Crisis management exercise in the Seychelles

Two engineers from the Studies and Training team were in the Seychelles from 24th to 31st September to help run a crisis management exercise for the Seychelles authorities. This assignment, carried out for [Expertise France](#), fell within the scope of a cooperation project, signed on 26th November 2014, between France Expertise Internationale (since renamed) and the European Commission in Brussels, on "Critical maritime routes in the Indian Ocean" ([CRIMARIO](#)).

Bespoke course for a Taiwanese delegation

For the fifth year running, we received a Taiwanese delegation of 29 people, led by the Environmental Protection Administration ([EPA](#)). They were trained in oil and chemical spill response strategies from 6th to 14th September, with a visit to MRCC Corsen and a tutorial on crisis management in the event of chemical spills.

Mission in Canada

An engineer from Cedre travelled to Canada as part of an international collaboration project with Transport Canada for the development of an operational guide geared towards decision-makers and first-line responders in the event of an HNS spill. In Western Canada, visits were organised to the offices of the Marine Aerial Reconnaissance Team ([MART](#)), the Vancouver port authority and the Western Canada Marine Response Corporation ([WCMRC](#)). In Eastern Canada, meetings were held with [Transport Canada](#), the Canadian Transport Emergency Centre ([CANUTEC](#)), Environment and Climate Change Canada ([ECCC](#)) and the Canadian Coast Guard ([CCG](#)). In Montreal, discussions were organised with ECCC's weather office, the Port inspection and safety service, the [Civil protection center](#), the [Fire department](#) and [Health Canada](#). This schedule of meetings helped to reinforce links with Canada and to develop Cedre's expertise in the field of HNS.

Success for the new training course offered by Cedre

From 26th to 30th September, [SOBEGI](#) and Cedre shared their experience and skills as part of a [new course](#) intended for industry players. The participants appreciated the level of training on offer for the various spill response strategies and techniques with a balance between theory lectures in the morning and practical sessions in the afternoon. The trainees appreciated the relevance and escalation of the different simulations, with response actions determined according to the behaviour of the substance spilt, ranging from a small spill at an industrial site up to boom deployment in a river. They also emphasised the quality of the technical facilities at the [SOBEGI](#) safety training centre. Following the success of this first session, a second session has already been scheduled as part of Cedre's 2017 training programme.

POLMAR-Land exercise in the Côtes-d'Armor area

A POLMAR-Land exercise was run on 26th and 27th September in the French municipalities of Erquy and Fréhel. The first day was devoted to training and exercise preparation and was run by [Cerema](#) and Cedre. The personnel of the Brest POLMAR stockpile also presented the protection and cleaning equipment to be deployed. The second day consisted of shoreline survey, worksites organisation and clean-up workshops. The boom-laying plan to protect the Islet estuary at the Port des Hôpitaux was also tested. This exercise, which involved the deployment of 700 metres of heavy-weight boom, mobilised four boats and around 60 people from State services and local authorities for the whole of the area's coastline (municipal staff and civil protection personnel), as well as from pleasuring boating associations, port authorities, the French lifeboat organisation and the fire brigade to ensure safety on the water.

Cedre visits Norway

On 5th September, Cedre's Director and Scientific and Technical Coordinator travelled to Trondheim (Norway) to meet [SINTEF](#) and the company [STATOIL](#), with a view to launching new collaboration with Cedre. An action plan was developed jointly with SINTEF to establish technical exchange groups and set up joint projects. The visit to the STATOIL offices provided Cedre with the opportunity to present its activities, fields of expertise and analysis and research facilities.

MARPOCS project meeting in Morocco

On 17th and 18th September, within the framework of the European Interreg project [MARPOCS](#), Cedre's Director and Scientific and Technical Coordinator accompanied the Instituto Superior Técnico ([IST](#)), the Portuguese project leader, on a trip to Casablanca. The meeting they were to attend was organised by the Moroccan national institute of fisheries research ([INRH](#)) and also brought together representatives of the Royal Moroccan Navy and the Moroccan Ministry of the Environment. The MARPOCS project (Multinational Response and Preparedness to Oil and Chemical Spills), which focuses on the sub-region of Morocco, Madeira and the Canary Islands, addresses the modelling of the fate of spilt products, with experimentation validation of the equations defined. It also aims to develop spill response training courses. IST and Cedre presented the current and future actions scheduled to be carried out by the different partners. For Morocco, discussions focused on the transmission of oceanographic data by INRH.