

SPILL RESPONSE TRAINING

— 2025 —

Cedre



Cedre's premises



Spill response training

Contents



- 04** An overview of Cedre
- 06** Training tools
- 08** Cedre's training partners
- 10** Cedre training courses
- 11** Bespoke courses

- 12** 2025 course calendar
- 13** Standard courses
- 26** E-learning courses
- 29** Participant feedback
- 30** Conditions and registration

Cedre, an organisation dedicated to spill response

As an expert organisation in spill preparedness and response, Cedre has been working across France and worldwide for 45 years.

With a 50-strong team of technicians, engineers and scientists, its multi-disciplinary team provides advice and knowledge to French and foreign authorities and private organisations in charge of pollution response.

Cedre was created on 25 January 1979, in the aftermath of the *Amoco Cadiz* oil spill, in a bid to be more fully prepared for accidental water pollution and to strengthen France's national response organisation. It is responsible, on a national level, for research, experimentation and documentation on pollutants (oil, chemicals and aquatic litter), their effects as well as spill response methods and equipment. Its role as an advisory body and its expertise encompass both marine and inland waters.



**State-approved
association with a
public service mission**

Fields of expertise



Seas and oceans



Shoreline



Inland waters



Water resources



Oil



Chemicals

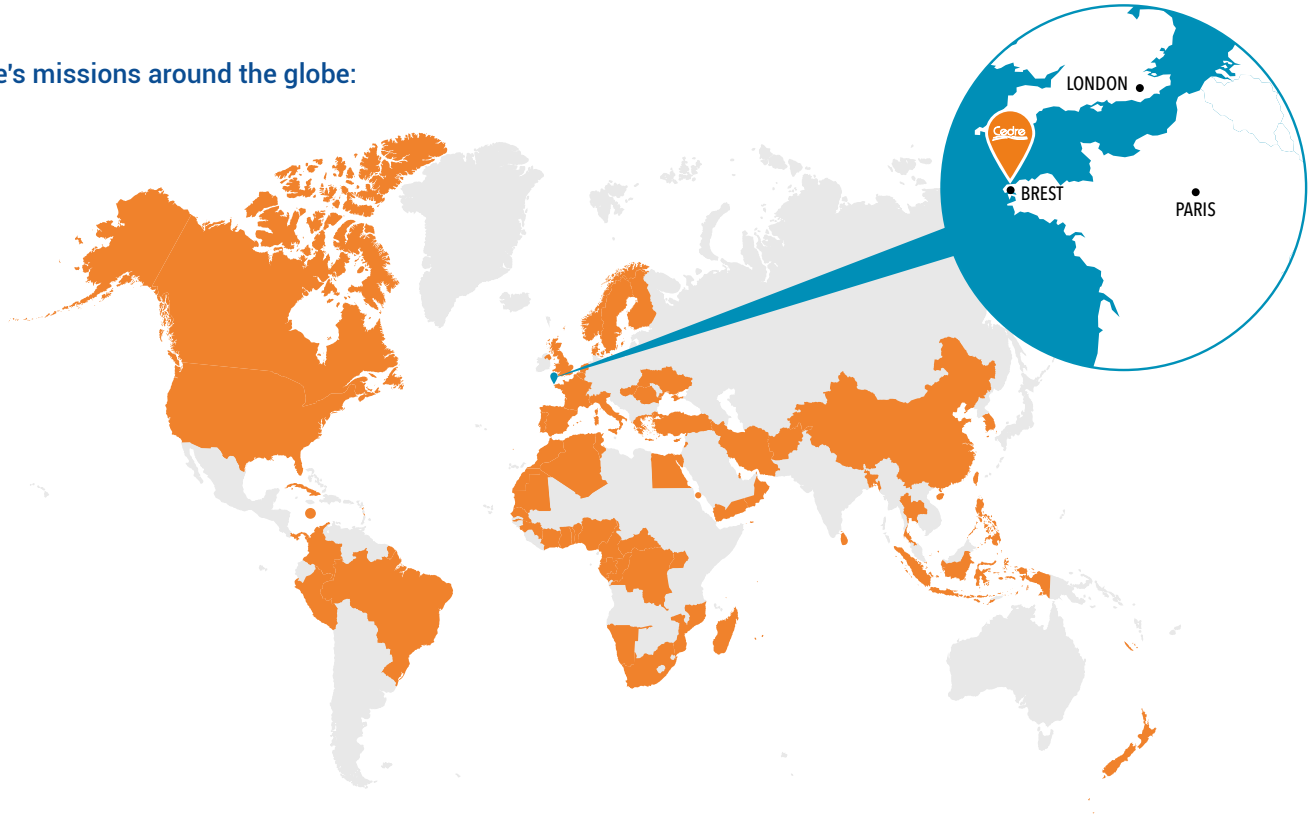


Litter
Microplastics

From the tip of Brittany to around the globe

Located in Brest, Brittany, Cedre boasts one-of-a-kind facilities for experimentation, testing and training in environmentally safe conditions. Cedre's engineers also travel worldwide for missions relating to accidental water pollution (response operations, tests, studies, training, etc.).

Cedre's missions around the globe:



Cedre's training commitment: *sharing our expertise through high-quality professional training!*

Cedre is accredited by the French Ministry of the Environment to carry out missions of general interest, providing expertise and support to the authorities in their spill response missions.



French national reference framework on the quality of actions contributing to skills development



Accreditation to deliver marine oil spill response training to international standards.



Obtaining and maintaining certifications and accreditations remains a constant priority for Cedre's team, which is committed to training public and private sector stakeholders both in France and internationally.

Cedre's training tools

OUTDOOR TEST TANK

For training with the release of real oil and equipment deployment: booms, skimmers, sorbents, etc.



MAN-MADE BEACH

For implementing response techniques on various shoreline substrates: sandy foreshores, riprap, pebbles, quaysides, outfall pipes, etc.



ROAD SURFACE AREA

For training exercises in spill response techniques on the ground and in rainwater systems, on a section of tarmac road.



CONTAINERS

For simulating the grounding of packages, drums and containers on the shoreline after falling overboard and recreating conditions for managing leaking or overheated containers.



PORT AREA

Composed of a platform and a fuelling station, for applying different techniques to various leak and spill scenarios in a port environment.



ZONE DEDICATED TO PLASTIC PELLETS

Facilities (storage areas on the beach and in the deep-water test tank) for trainees to learn about the emerging challenges associated with releases of microplastics.



SHOWROOM

Presents the most commonly used spill response equipment: booms, skimmers, pumps, trawls, sorbents, storage tanks, personal protective equipment, etc.



ONLINE TRAINING PLATFORM

To export and internationalise our training offer: webinars, virtual classes, hybrid training and e-learning modules. Via this platform with secure personal access, learners can access training resources and expand their knowledge.

elearning.cedre.fr



TRAINING ROOM

Fully equipped 100 m² room (video projectors, interactive screen, control room, audio equipment with interpreting facilities). Our training room is suitable for disabled access. This room is used for theory lectures, tabletop exercises, serious games and role play exercises.



Cedre's training partners

SDIS 29 departmental training centre



SDIS 29

Through its partnership with the Finistère fire and rescue service (SDIS 29), Cedre has access to their departmental training centre where it runs various training modules.

The SDIS 29 departmental training centre comprises:

- a training platform for technological risks including a chemical risk module (leakage system, leaking tank), shipping containers, and gas and electrical risk platforms;
- a section of road lined with ditches, as well as surface and underground networks for training exercises in the management of accidents involving the transport of dangerous goods (TDG);
- a 1,200 m² covered manoeuvring area;
- a training centre with a storage area for machinery and equipment, changing rooms, toilet facilities, technical rooms and control rooms;
- training facilities, including classrooms and a virtual reality room;
- accommodation and catering facilities;
- access to various waterways for spill response exercises.



Hydrokarst, technical facilities in Gabon



The Hydrokarst group, based in Cape Lopez, Gabon, since 2002 through its subsidiary Hydro Gabon, specialises in professional diving, rope access work and work in confined spaces. In 2009, the group set up a branch dedicated to safety training.

This entity focuses on the oil, oilfield services and shipping industries to meet local training needs, in particular by provided technical facilities for practical training.

IMT Mines Alès, ES² and Aqua Surêté, crisis management: water resources



IMT Mines Alès
École Mines-Télécom



Since 2021, Cedre, IMT Mines Alès, (ES)² and the AQUA SÛRETÉ network have joined forces to offer a three-day training course on spill management in inland waters. This course is held every year at the IMT Mines Alès campus, where we benefit from the use of classrooms and a crisis simulator. With this simulator, trainees are immersed in an incident management unit, simulating a real-life atmosphere and providing a wide range of tools for the final training exercise.

Environmental Emergency & Security Services (ES)² is an engineering consultancy that supports local authorities and critical infrastructure managers (water, sanitation, hydroelectricity) in anticipating and managing operational crises.

AQUA SÛRETÉ is a network created to provide a permanent framework for meetings, feedback and technical discussions between water sector operators, government services and solution providers.



Cedre training courses



Bespoke courses

The content, duration and methods of our intra-company training courses are tailored to meet the client's needs.

At Cedre or at the site of your choice

Standard courses

Our inter-company courses provide trainees with the chance to expand their professional network while benefiting from training that meets national and international standards.

At Cedre or at our partner sites

E-learning courses

Complementary to our in-person training courses, our e-learning modules provide prior insights or expand on the concepts covered during a course.

On elearning.cedre.fr

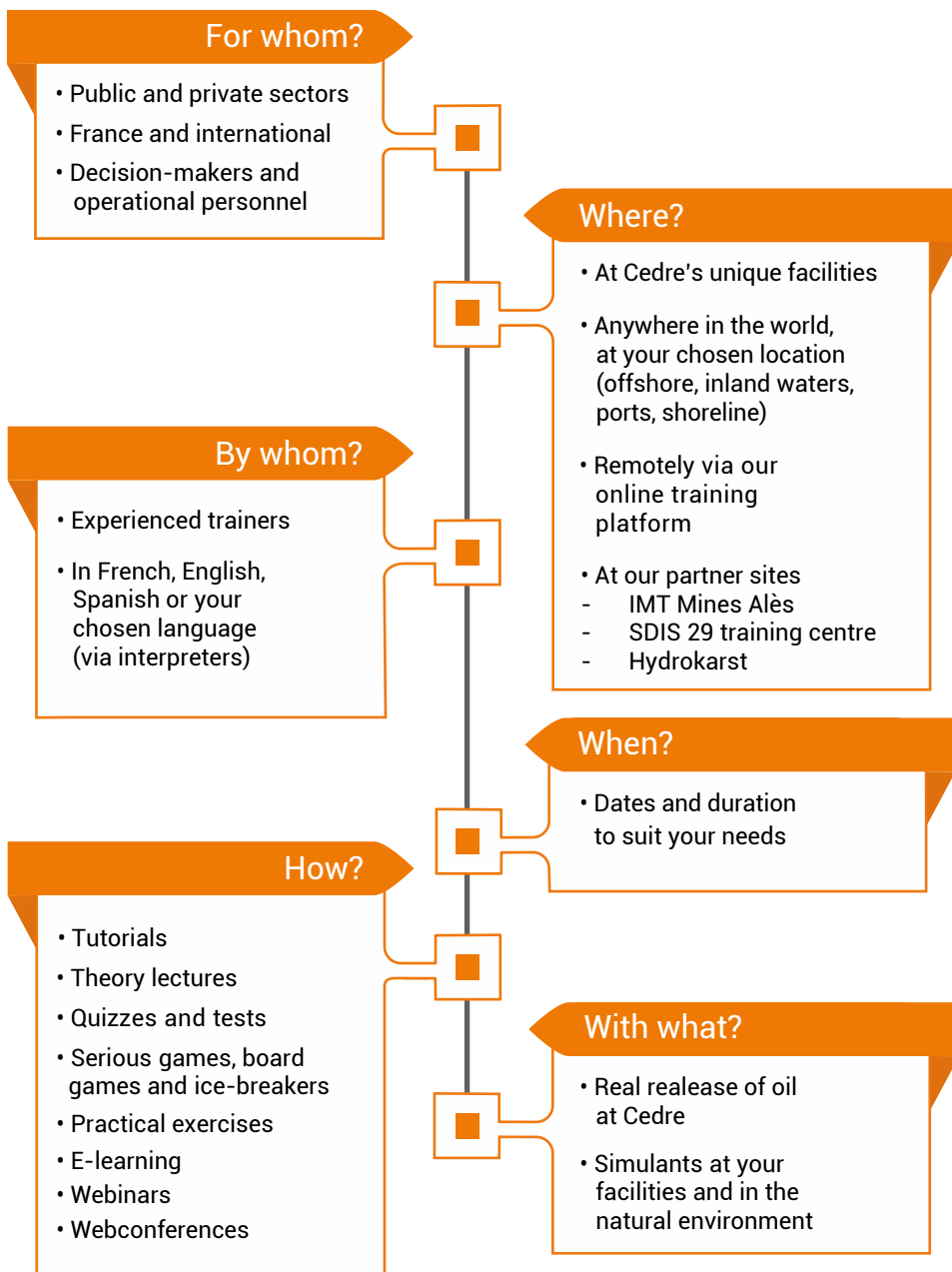


Our trainers speak French, English and Spanish. Our courses can be delivered in any language in the world via simultaneous or consecutive translation!



Each year



Bespoke training courses



2025 standard training programme

	Page	Duration	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Oil spill response in inland waters	13	4 d (28 hrs)			12-16							
Oil spill response at sea and on the shoreline IMO Level 2	14	4 d (29 hrs)	31-4 			2-6			8-12	13-17		
Oil spill response at sea IMO Level 2 Gabon 	15	4 d (29h)	03-07								24-28	
Marine pollution crisis management: spill response IMO Level 3	16	4 d (32 hrs)	24-27							6-9		
Marine pollution crisis management IMO Level 3	17	4 d (32h)									24-28	
Merchant ships and the role of shipping industry stakeholders in maritime incidents	18	3 d (21 hrs)										2-4
Aerial observation of pollution at sea	19	3.5 d (26 hrs)	10-13									8-11
Oil spill response in ports	20	2 d (14 hrs)				11-12						
Crisis management: pollution of water resources	21	3 d (26h)				17-19						
Offshore wind farms: pollution risks and spill response	22	2 d (14h)				24-25			23-24			
Principles of chemical spill response IMO 3 Manager Level	23	4 d (28 hrs)									3-7	
Training courses for local councillors and municipalities	24-25	1 d (7 hrs)	Upon request									

Pictograms used on the course information sheets:

 Seas and oceans

 Shoreline

 Inland waters

 Water resources

 Oil

 Chemicals

 Litter
Microplastics

 Marine pollution

 Practical

Oil spill response in inland waters



Session 1: 12/05/25 - 16/05/25



4 days - 28 hrs
In person
Cedre, Brest



Administrations and local authorities, emergency services, private response teams, water police, waterway services, river transport companies, port personnel, oil and chemical industries



Inter-company
Trainees:
8 min. – 22 max.
Trainers:
Cedre



Course fee including refreshments, lunches, PPE and consumables
€2,800 excl. tax

Optional

Accommodation & transfers package:
€740 excl. tax



Do you have a disability?
To ensure we best accommodate your needs, please contact:
formation@cedre.fr

Aims

- Anticipate the fate and behaviour of oil spills in the aquatic environment
- Gain concrete, practical knowledge of response strategies and techniques in inland waters
- Select appropriate equipment to respond to a spill
- Contribute to the development of a contingency plan



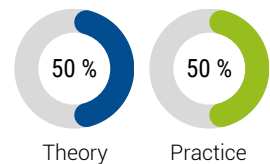
► Practical sessions in a natural environment and at the Finistère fire and rescue service's departmental training centre (p.8)

Content

- Spill issues and challenges
- Basic principles of response in inland waters
- Behaviour of oil spills in the environment
- Containment:
 - manufactured booms
 - custom-made barriers
- Recovery operations
- Spill response on land: in soil, gutters, channels and ditches
- Riverbank clean-up
- Waste management
- Principles of crisis management and contingency planning
- Feedback from past incidents

Format

- Theory lectures in the conference room
- Tour of Cedre's facilities
- Practical exercises in the natural environment using simulants and at Cedre's technical facilities with release of real oil
- Resources available on Cedre's online training platform



Assessment

- Oral questions
 - Assessment during an autonomous exercise
- Issue of a course completion certificate

Participant feedback

- 99.10% satisfaction in 2023

Prerequisites: read the specific provisions relating to spill response in inland waters in the applicable contingency plans

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr




Oil spill response at sea and on the shoreline



IMO Level 2



 Session 1: 31/03/25 - 04/04/25
 Session 2: 02/06/25 - 06/06/25
 Session 3: 08/09/25 - 12/09/25
 Session 4: 13/10/25 - 17/10/25



4 days - 29 hrs

In person

Cedre, Brest



Administrations and local authorities, emergency services, private response teams, shipping companies, port personnel, oil industry, offshore wind sector



Inter-company
 Trainees:
 8 min. – 22 max.
 Trainers:
 Cedre



Course fee including refreshments, lunches, PPE and consumables
 €3,010 excl. tax

Optional

Accommodation & transfers package:
 €740 excl. tax




 3 sessions


 1 session



Do you have a disability?
 To ensure we best accommodate your needs, please contact:
formation@cedre.fr

Aims

- Anticipate the fate and behaviour of oil spills in the aquatic environment
- Gain concrete, practical knowledge of response strategies and techniques
- Select appropriate equipment to respond to a spill
- Contribute to the development of a contingency plan



► See the Refresher module proposed on p. 28 to refresh your knowledge after the course

Participant feedback

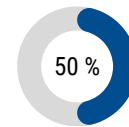
- 98.16% satisfaction in 2023

Content

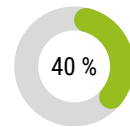
- Spill issues and challenges
- Behaviour of oil spills in the marine environment and on the shoreline
- Response on the water surface
 - Observation and detection
 - Use of dispersants
 - In situ burning
 - Containment and recovery
- Response on the shoreline
 - Surveying
 - Clean-up techniques
 - Worksite organisation
- Waste management
- Principles of crisis management
 - Contingency planning
 - Incident Management System (IMS)
 - Crisis communication
 - Compensation

Format

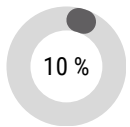
- Theory lectures in the conference room
- Tour of Cedre's facilities
- Tabletop exercises based on feedback from past incidents
- Practical exercises with the release of real oil
- Resources available on Cedre's online training platform



Theory






Practice



Tabletop exercises

Assessment

-  Oral questions
-  Case study
-  Start and end quiz

Issue of a course completion certificate

Prerequisites: read the specific provisions relating to spill response in the applicable contingency plans

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Oil spill response at sea

IMO Level 2



Session 1: 03/03/25 - 07/03/25

Session 2: 24/11/25 - 28/11/25

NEW COURSE



4 days - 29 hrs In person Gabon, Port Gentil Hydrokarst 	Oil industry; Shipping industry; Private response teams	Inter-company Trainees: 10 min. – 20 max. Trainers: Cedre, Hydrokarst	Course fee including refreshments, lunches, PPE and consumables €3,000 excl. tax	 1 session	Do you have a disability? To ensure we best accommodate your needs, please contact: resp.cfor@hydrokarst.fr

Aims

- Anticipate the fate and behaviour of oil spills in the aquatic environment
- Gain concrete, practical knowledge of response strategies and techniques
- Select appropriate equipment to respond to a spill
- Contribute to the development of a contingency plan

+

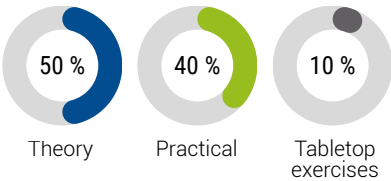
- ▶ See the Refresher module proposed on p. 28 to refresh your knowledge after the course
- ▶ Cedre's skills and know-how combined with the renowned capabilities of Hydrokarst, based in Gabon, at outstanding technical facilities.

Content

- Spill issues and challenges
- Behaviour of oil spills in the marine environment and on the shoreline
- Response on the water surface
 - Observation and detection
 - Use of dispersants
 - In situ burning
 - Containment and recovery
- Response on the shoreline
 - Surveying
 - Clean-up techniques
 - Worksite organisation
- Waste management
- Principles of crisis management
 - Contingency planning
 - Incident Management System (IMS)
 - Crisis communication
 - Compensation

Format

- Theory lectures in the conference room
- Tour and equipment demonstrations
- Tabletop exercises based on feedback from past incidents
- Practical exercises with the release of simulants
- Resources available on Cedre's online training platform



Assessment

- Oral questions
- Case study
- Start and end quiz

Issue of a course completion certificate

Prerequisites: read internal contingency plan
Registration: by email to resp.cfor@hydrokarst.fr

Marine pollution crisis management: spill response



IMO Level 3



Session 1: 24/03/25 - 27/03/25
Session 2: 06/10/25 - 09/10/25

4 days - 32 hrs In person Cedre, Brest	Navies (officers and supervisors), administrations involved in emergency crisis management both on and offshore, seaport personnel, shipping personnel	Inter-company Trainees: 8 min. – 15 max. Trainers: Cedre, AEM, CEPOL, MRCC, DDTM, legal expert, communication expert	Course fee including refreshments and lunches €2,360 excl. tax Optional Accommodation & transfers package: €740 excl. tax	Do you have a disability? To ensure we best accommodate your needs, please contact: formation@cedre.fr

Aims

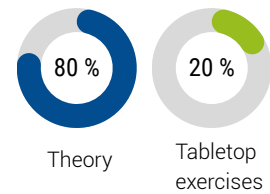
- Identify spill risks related to maritime transport
- Anticipate the fate and behaviour of oil and chemical spills in the aquatic environment as well as hazards for humans and the environment
- Seek out initial information and effectively manage the initial stages of the response in the event of a spill
- Gain concrete knowledge of the actions and strategies to be implemented
- Understand the organisation and the regulatory and legal framework for response at sea
- Be capable of joining an incident command centre
- Be involved in the development of contingency plans

Content

- Legal foundations:
 - Context and challenges of spills at sea
 - The right to intervene
 - Liability and compensation issues
 - Roles and responsibilities: authorities, MRCCs, Navy
- Understanding spills at sea
 - Behaviour of oil in case of a spill at sea
 - Detection of slicks at sea
 - Decision support systems
- Response strategies and techniques: dispersion, containment and recovery
- Methodology and crisis management: general principles, methodological approach, emergency organisation, onshore/offshore interface, crisis communication
- Feedback from past incidents

Format

- Theory lectures in the conference room
- Tour of Cedre's facilities
- Tabletop role play exercise
- Resources available on Cedre's online training platform



Assessment

- Oral questions
- Tabletop exercises

Issue of a course completion certificate

Participant feedback

- 98.45% satisfaction in 2023

Prerequisites: read up on the regulatory framework for maritime emergencies off the relevant coastline

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Shoreline pollution crisis management



IMO Level 3



Session 1: 24/11/25 - 28/11/25

4 days - 32 hrs In person Cedre, Brest	Land-based authorities, emergency services, administrations and local authorities involved in the maritime or land-based emergency response organisation	Inter-company Trainees: 8 min. – 20 max. Trainers: AEM, Cedre, DGSCGC, DEB, PNE POLMAR-Terre, DREAL, DIRM, DDTM, legal expert, préfecture	Course fee including refreshments and lunches €2,360 excl. tax Optional Accommodation & transfers package: €740 excl. tax	Do you have a disability? To ensure we best accommodate your needs, please contact: formation@cedre.fr

Aims

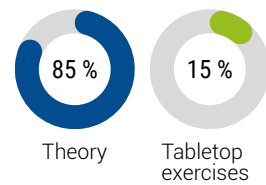
- Identify the risks and issues related to a spill threatening or affecting the coastline
- Understand the organisation and the regulatory framework for spill response at sea
- Be aware of the capabilities of potential responders and experts who can be mobilised
- Be capable of joining an incident command centre
- Understand crisis communication
- Anticipate the behaviour, fate and impact of oil spills and use forecasting tools
- Gain concrete knowledge of the actions and strategies to be implemented
- Understand the coordination of resources and equipment
- Learn how shoreline response is funded and about disputes and legal follow-up
- Be involved in the development of contingency plans

Content

- Response organisation:
 - Overall response organisation at sea and on shore
 - Land-sea interface
- Behaviour of oil
- Forecasting tools
- Response techniques:
 - Available equipment and mobilisation times
 - Shoreline protection
 - Shoreline surveys
 - Clean-up organisation
- Environmental impact, assessment and monitoring
- Legal and financial aspects:
 - Compensation
 - Emergency funding
- Crisis communication
- Feedback from past incidents

Format

- Theory lectures in the conference room
- Tour of Cedre's facilities
- Visit to the marine pollution equipment stockpile in Brest
- Tabletop role play exercise
- Resources available on Cedre's online training platform



Assessment

- Oral questions
- Tabletop exercises

Issue of a course completion certificate

Participant feedback

- 97.55% satisfaction in 2023

Prerequisites: read up on the regulatory framework for maritime emergencies in the relevant area

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Merchant ships and the role of shipping industry stakeholders in maritime incidents



Session 1: 02/12/25 - 04/12/25

3 days - 21 hrs In person Cedre, Brest	Navies, administrations involved in emergency crisis management both on and offshore, shipping sector personnel, seaport personnel	Inter-company Trainees: 8 min. – 23 max. Trainers: Cedre, legal expert, maritime professionals (Armateurs de France, Bureau Veritas, CSN, BEA Mer, shipowners)	Course fee including refreshments and lunches €1,825 excl. tax Optional Accommodation & transfers package: €555 excl. tax	Do you have a disability? To ensure we best accommodate your needs, please contact: formation@cedre.fr

Aims

- Identify risks and issues related to maritime transport
- Understand how the shipping industry is organised and functions
- Enhance efficiency in understanding an emergency situation involving merchant ships
- Become familiar with the risks and constraints of the different types of merchant ships in terms of defining the operational response tactics and procedures in case of a spill
- Identify the missions and roles of the key shipping industry stakeholders
- Understand the capabilities of potential responders and how to mobilise the necessary technical support and experts

Content

- Aspects of maritime transport: global shipping, fleet typology, shipowners, port flows, ports, interface and stakeholders, specificities of the type of cargo
- Insurance and contracts: contracts, insurance and brokers, regulatory framework, classification societies, port stakeholders
- Vessels and their specificities: container ships, oil tankers, chemical tankers, bulk carriers, LNG carriers, passenger vessels
- Past incidents and feedback:
 - Stability and structure of merchant ships
 - Events at sea and past incidents involving merchant ships
- Response:
 - Roles and organisation of the Coastal State
 - Port State Control
 - Role of the salvage master

Format

- Theory lectures in the conference room
- Discussions between learners and trainers
- Resources available on Cedre's online training platform



Assessment

- Start and end quiz
 - Oral questions
- Issue of a course completion certificate

Participant feedback

- 96.15% satisfaction in 2023

Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr

Aerial observation of pollution at sea



Session 1: 10/03/25 - 13/03/25

Session 2: 08/12/25 - 11/12/25

3.5 days - 26 hrs	Air crews (Navy, Customs, etc.), personnel from MRCCs and French and foreign administrations	Inter-company Trainees: 15 min. – 20 max. Trainers: Cedre, legal expert, customs expert, CSN, AEM, CROSS/MRCC, maritime police, public prosecutor	Course fee including refreshments and lunches €2,010 excl. tax Optional Accommodation & transfers package: €555 excl. tax	Do you have a disability? To ensure we best accommodate your needs, please contact: formation@cedre.fr
In person				
Cedre, Brest				

Aims

- Identify and gather information to characterise an oil spill
- Be familiar with national and international legislation on authorised and illegal discharges
- Be capable of drawing up a POLREP when pollution is detected
- Be capable of drawing up an official report when pollution or illegal discharge is suspected
- Understand the conditions for giving evidence in court and the role of the witness
- Provide support for response operations at sea



► Hard copy of Cedre's operational guide on aerial observation!



Content

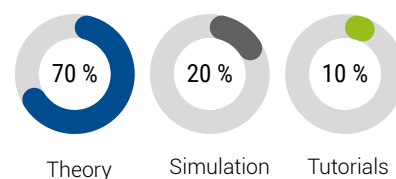
- Behaviour of oil and operational consequences
- Assessment and description of pollution:
 - Bonn Agreement Oil Appearance Code
 - Quantifying and drafting a POLREP
 - False positives
- Key stakeholders:
 - Flight coordinators and MRCCs
 - Maritime police
 - Public Prosecutor of Brest
- Tools:
 - MARPOL Convention
 - Legal aspects and gathering evidence
 - Criminal hearings
 - Aircraft and sensors
 - Investigations
 - Official reports and POLREPs
 - Detection and repression of oil pollution
- Feedback from past incidents

Participant feedback

- 98.40% satisfaction in 2023

Format

- Theory lectures in the conference room
- Tabletop exercises
- Simulations
- Discussions between learners and trainers
- Resources available on Cedre's online training platform



Assessment

- Oral questions
- Summary exercises
- Start and end quiz
- Simulation

Issue of a course completion certificate

Prerequisites: none

Registration: reserved for representatives of customs, armies, air forces, military police, civil protection, navies or maritime affairs. For all other requests, please contact: formation@cedre.fr

Oil spill response in ports



Session 1: 11/06/25 - 12/06/25

2 days - 14 hrs	Port personnel, emergency services (firefighters and naval firefighters), personnel from naval bases, local authorities, marine parks, oil terminal operators, crews of fishing, pleasure, commercial and military vessels	Inter-company Trainees: 8 min. – 20 max. Trainers: Cedre	Course fee including refreshments, lunches, PPE and consumables €1,950 excl. tax Optional Accommodation & transfers package: €370 excl. tax	Do you have a disability? To ensure we best accommodate your needs, please contact: formation@cedre.fr
In person				
Cedre, Brest				

Aims

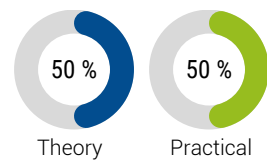
- Know how to react when faced with a spill in a port
- Anticipate the fate and understand the behaviour of oil spills
- Gain concrete, practical knowledge of response strategies and techniques in ports
- Select and deploy resources suited to spills in ports
- Understand the overall shoreline response organisation
- Contribute to the development of first-line response plans

Content

- Introduction and examples of spills in ports
- Key stakeholders
- Reminder of the overall shoreline response organisation
- Behaviour of oil spills and operational consequences
- General response strategies
- Containment and recovery on land and on the water
- Protection of outfalls
- Clean-up site organisation and waste management
- Clean-up of oiled surfaces
- Practical exercises

Format

- Theory lectures in the conference room
- Feedback from past incidents
- Equipment demonstrations
- Practical exercises with the release of real oil
- Debriefs
- Resources available on Cedre's online training platform



Participant feedback

- 99.25% satisfaction in 2023

Assessment

- Oral questions
- Practical exercise and debrief
- Issue of a course completion certificate

Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Crisis management: pollution of water resources



Session 1: 17/06/25 - 19/06/25



3 days - 26 hrs

In person

**IMT Mines Alès
Alès (Gard)**



Administrations, local authorities, water boards/agencies, emergency services, water treatment system operators, QHSE, safety and crisis management personnel, consulting engineers, army veterinarians and military infrastructure engineers



Inter-company
Trainees:
10 min. – 24 max.

Trainers:
Cedre, IMT Mines d'Alès, (ES²), fire and rescue service, préfecture, ARS, DDT, operators, traditional & social media specialist



Course fee including refreshments and lunches
€2,690 excl. tax

Optional

Accommodation & transfers package:
€360 excl. tax



Do you have a disability?
To ensure we best accommodate your needs, please contact:
formation@cedre.fr

Aims

- Share feedback from past incidents affecting water resources (surface water, groundwater or water supply)
- Identify best practices and opportunities for improvement in operational crisis management
- Understand the coordination between different stakeholders involved in crisis management
- Effectively organise and run an incident management unit
- Ensure crisis communication



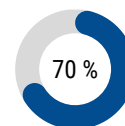
► Guided tour and exercise in the crisis simulator at IMT Mines Alès

Content

- Introduction:
 - Product behaviour and drift
 - Response strategies
- Key stakeholders in the event of a crisis: Authorities, health board
- Operational response and spill management methods:
 - Emergency response
 - Fire service pollution response unit
- Marine pollution
 - Media communication
 - Preparedness tools and research work
 - Response management: reflex actions, best practices, crisis management, human factors, setting up an incident management unit
 - Simulation exercises

Format

- Theory lectures in the conference room
- Feedback from past incidents
- Equipment demonstrations
- Visit to the crisis simulator at IMT Mines Alès
- Tutorials and table-top exercises
- Final exercise in the IMT Mines Alès simulator for realistic immersion in an incident management unit
- Resources available on Cedre's online training platform



Theory

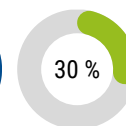


Table-top exercises and visits

Participant feedback

- 96.45% satisfaction in 2023

Assessment

- Oral questions
- Table-top exercise and simulator
- Issue of a course completion certificate

Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Offshore wind farms: pollution risks and spill response



Session 1: 24/06/25 - 25/06/25

Session 2: 23/09/25 - 24/09/25



2 days - 14 hrs

In person

Cedre, Brest



Stakeholders, operators or service providers involved in the installation and operational phases of offshore wind farms, operating and port surveillance personnel, personnel from administrations and local authorities



Inter-company

Trainees:
8 min. – 20 max.

Trainers:
Cedre



Course fee including refreshments, lunches, PPE and consumables
€1,950 excl. tax

Optional Accommodation & transfers package:
€370 excl. tax



Do you have a disability? To ensure we best accommodate your needs, please contact: **formation@cedre.fr**

Aims

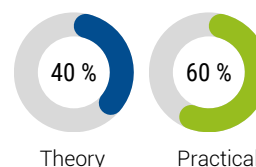
- Take into account pollution risks and mitigate spills
- Understand the regulatory framework for pollution preparedness and response
- Anticipate the fate and behaviour of spills of petroleum and mineral oils
- Gain concrete, practical knowledge of response strategies and techniques
- Select and deploy appropriate equipment to respond to a spill
- Contribute to the development of first-line response plans

Content

- Introduction to and examples of spills and incidents at offshore wind farms
- Regulatory framework and key stakeholders: roles and responsibilities, overall organisation for response at sea and on the shoreline
- Spill preparedness: prevention of spills from facilities and equipment used in building and operating offshore wind farms
- Behaviour of spills of petroleum and mineral oils, impacts and operational consequences
- Appropriate general response strategies in wind farms: open spaces on land, port areas, offshore
- Response techniques: containment and recovery, clean-up of oiled surfaces and waste management
- Practical exercises

Format

- Theory lectures in the conference room
- Feedback from past incidents
- Equipment demonstrations
- Practical exercises with the release of real oil at Cedre's technical facilities
- Resources available on Cedre's online training platform



Participant feedback

- 99.8% satisfaction in 2024

Assessment

- Oral questions
- Practical exercises

Issue of a course completion certificate

Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Principles of chemical spill response



IMO Manager Level



Session 1: 03/11/25 - 07/11/25



4 days - 28 hrs

In person

Cedre, Brest



Navies, administrations and local authorities, emergency services, private response teams, shipping companies, port personnel, oil and chemical industries



Inter-company
Trainees:
8 min. – 20 max.

Trainers:
Cedre,
fire brigade,
military
pharmacist



Course fee including refreshments and lunches
€2,780 excl. tax

Optional

Accommodation & transfers package:
€740 excl. tax



Do you have a disability? To ensure we best accommodate your needs, please contact: **formation@cedre.fr**

Aims

- Identify spill risks related to maritime transport
- Anticipate the fate and behaviour of oil and chemical spills in the aquatic environment as well as hazards for humans and the environment
- Seek out initial information and effectively manage the initial stages of the response
- Gain concrete knowledge of the actions and strategies to be implemented following a spill
- Be aware of the capabilities of responders, key stakeholders and technical support organisations/experts who can be mobilised
- Contribute to the development of contingency plans covering chemical risks



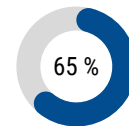
► Access to e-learning course on chemical spills (see p.27)

Content

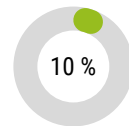
- Maritime transport of chemicals
 - Challenges of response at sea
 - Data on maritime transport and past incidents
- Chemicals:
 - Risks and behaviour
 - Effects on humans, threshold values and protection measures
 - Classifications
- Assessment and decision support tools: mobilisation of AEM/CAPINAV resources, PPE, detection and sampling, drift and atmospheric modelling
- Response strategies for: containers and packages, bulk cargoes
- Issue of liquefied gases
- Monitoring environmental contamination
- Case studies and recent projects

Format

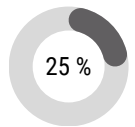
- Theory lectures in the conference room
- Demonstration of the equipment in a mobile chemical response unit
- Tour of Cedre's facilities
- Ice breaker: escape game
- Serious game
- Resources available on Cedre's online training platform



Theory



Practical



Tabletop exercises

Assessment



Oral questions



Quiz



Tabletop exercises, serious games

Issue of a course completion certificate

Participant feedback

- 99% satisfaction in 2023

Prerequisites: have taken Cedre's online module on HNS behaviour in the aquatic environment. E-learning module included in the course cost. For more information, see p. 27.

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Management of marine spills

Training course for local councillors and municipalities Upon request



Site and date to be jointly determined



1 days - 7 hrs
In person



Local councillors and municipalities



Inter-company
Trainees:
10 min. – 20 max.

Trainers:
Cedre



On-site training
€5,500 excl. tax per course

Training run at Cedre
€3,500 excl. tax per course



Do you have a disability?
To ensure we best accommodate your needs, please contact:
formation@cedre.fr

Aims

- Identify pollution risks for the marine environment (sea, coastline, port areas) within the municipality
- Anticipate related issues
- Understand the legal and regulatory framework for spill management
- Identify the roles and responsibilities of municipalities and local councillors
- Be familiar with the preparedness tools available
- As part of the local authority's emergency plan, establish a section on spill response

Content

- Spills affecting the municipality: sources and issues
- Nature and behaviour of potential pollutants: oil, chemicals, aquatic litter, etc.
- Potential impacts of spills on the environment and uses
- Legal and regulatory framework
- Role and responsibilities of mayors and municipalities in the event of a spill:
 - What to do if pollution occurs
 - Resource mobilisation
 - Financial aspects
 - Past experience
- Tools and expertise available, section on spills at sea in the local authority's emergency plan

Format

- Combination of theory lectures and practical examples
- Experience sharing
- Discussions between learners and the trainer
- Case study: "Management of a spill at sea affecting a municipality"
- Resources available on Cedre's online training platform



Theory

Assessment

Case study

Issue of a course completion certificate



► Hard copy of an operational guide specifically devoted to local authorities!



Prerequisites: none

For further information and enquiries, please contact formation@cedre.fr

Management of spills in inland waters

Training course for local councillors and municipalities Upon request



Site and date to be jointly determined



1 days - 7 hrs
In person



Local councillors and municipalities



Inter-company
Trainees:
10 min. – 20 max.

Trainers:
Cedre



On-site training
€5,500 excl. tax per course

Training run at Cedre
€3,500 excl. tax per course



Do you have a disability?
To ensure we best accommodate your needs, please contact:
formation@cedre.fr

Aims

- Identify pollution risks for the aquatic environment (rivers, water bodies, ports) within the municipality
- Anticipate related issues
- Understand the legal and regulatory framework for spill management
- Identify the roles and responsibilities of municipalities and local councillors
- Be familiar with the preparedness tools available
- As part of the local authority's emergency plan, establish a section on spill response



► Hard copy of an operational guide specifically devoted to local authorities!



Content

- Spills affecting the municipality: sources and issues
- Nature and behaviour of potential pollutants: oil, chemicals, aquatic litter, etc.
- Potential impacts of spills on the environment and uses
- Legal and regulatory framework
- Role and responsibilities of mayors and municipalities in the event of a spill:
 - What to do if pollution occurs
 - Resource mobilisation
 - Financial aspects
 - Past experience
- Tools and expertise available, section on spills in inland waters in the local authority's emergency plan

Format

- Combination of theory lectures and practical examples
- Experience sharing
- Discussions between learners and the trainer
- Case study: "Management of a spill in inland waters affecting a municipality"
- Resources available on Cedre's online training platform



Theory

Assessment

Case study

Issue of a course completion certificate

Prerequisites: none

For further information and enquiries, please contact formation@cedre.fr

E-learning courses

Surveying sites polluted by oil



Find out more at elearning.cedre.fr



3 hrs
The course can be paused and resumed at any time

Asynchronous e-learning



Professionals liable to be involved in surveying oiled sites: administrations and local authorities, emergency services, private response teams, port personnel, oil industry personnel, offshore wind sector personnel



€150 excl. tax



To make the module accessible to people with disabilities, including visual and hearing impairments, a large number of aspects have been taken into account including audio-description, subtitles, module design, colour choices, navigation and font choices.

Aims

- Identify the key information to be passed on to the command centre for clean-up operations
- Conduct a field survey
- Segment a shoreline and describe the pollution
- Fill in a standard survey form

Content

- Topics covered during the course:
 - Preparing to conduct a survey
 - Collecting and presenting information
 - Optional unit: practical on-site survey exercise

Resources

- Equipment required: reliable internet access, Google Chrome browser, ideally headphones
- This module includes access to additional tools and resources (such as Cedre Operational Guides) as well as a help forum where trainees can interact with each other and with the trainers.

Deadline

Course to be fully completed within one year of registration

Assessment

Assessment and testing of knowledge acquired

A certificate of completion is issued once all the training modules have been completed (with the exception of the optional practical module).

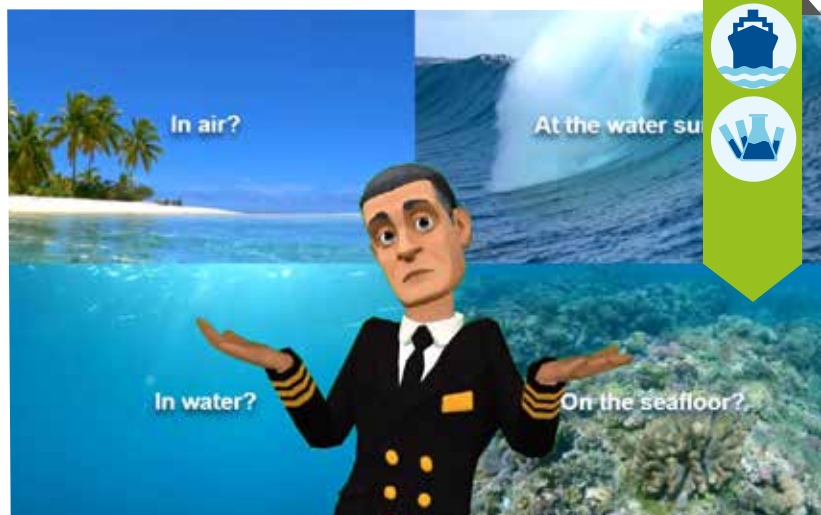
Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



E-learning courses

Behaviour of chemicals



Find out more at elearning.cedre.fr



2 hrs
The course can be paused and resumed at any time

Asynchronous e-learning



Navies, administrations involved in emergency crisis management both on and offshore, shipping sector personnel, seaport personnel, oil industry personnel, offshore wind sector personnel



€150 excl. tax



To make the module accessible to people with disabilities, including visual and hearing impairments, a large number of aspects have been taken into account including audio-description, subtitling, module design, colour choices, navigation and font choices.

Aims

- Identify relevant key information affecting the behaviour of HNS
- Anticipate the areas liable to be affected: atmosphere, water surface, water column or seabed
- Understand the regulatory framework for transporting chemicals by sea and response measures in the event of a spill
- Mitigate the risks and anticipate the impacts on human health and the environment
- Minimise the consequences of spill

Content

- Topics covered during the course:
 - Introduction
 - Transport of chemicals by water
 - Chemical behaviour
 - Risks for humans and the environment

Resources

- Equipment required: reliable internet access, Google Chrome browser, ideally headphones
- This module includes access to additional tools and resources (such as Cedre Operational Guides) as well as a help forum where trainees can interact with each other and with the trainers.

Deadline

Course to be fully completed within one year of registration

Assessment

Knowledge test

A certificate of completion is issued once all the training modules have been completed

Prerequisites: none

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



E-learning courses

Oil spill response at sea and on the shoreline

IMO Level 2 refresher course



Find out more at elearning.cedre.fr



4 hrs
The course can be paused and resumed at any time

Asynchronous e-learning except for the synchronous distance e-learning specialised module (scheduled date, prior registration required)



Personnel who have previously attended an in-person IMO 2 Level course run by Cedre and are from administrations and local authorities, emergency services, private response teams, shipping companies, ports, oil industry, offshore wind sector



€500 excl. tax



To make the module accessible to people with disabilities, including visual and hearing impairments, a large number of aspects have been taken into account including audio-description, subtitling, module design, colour choices, navigation and font choices.

Aims

- Refresh skills and knowledge in order and update theoretical and practical knowledge of response strategies and techniques in case of oil spills at sea and on the shoreline

Content

- Topics covered during the course:
 - Initial measures
 - Pollutant analysis and behaviour
 - Aerial observation and slick drift
 - Response at sea
 - Response on the shoreline
 - Waste management

The different topics are illustrated by a case study

This refresher course also includes a virtual classroom activity on a topic to be selected from several on offer, at a date scheduled by Cedre.

Resources

- Equipment required: reliable internet access, Google Chrome browser, ideally headphones
- This module includes access to a glossary, additional tools and resources (such as Cedre Operational Guides) as well as a help forum where trainees can interact with each other and with the trainers.

Assessment

A certificate of completion is issued once all the training modules have been completed

Deadline

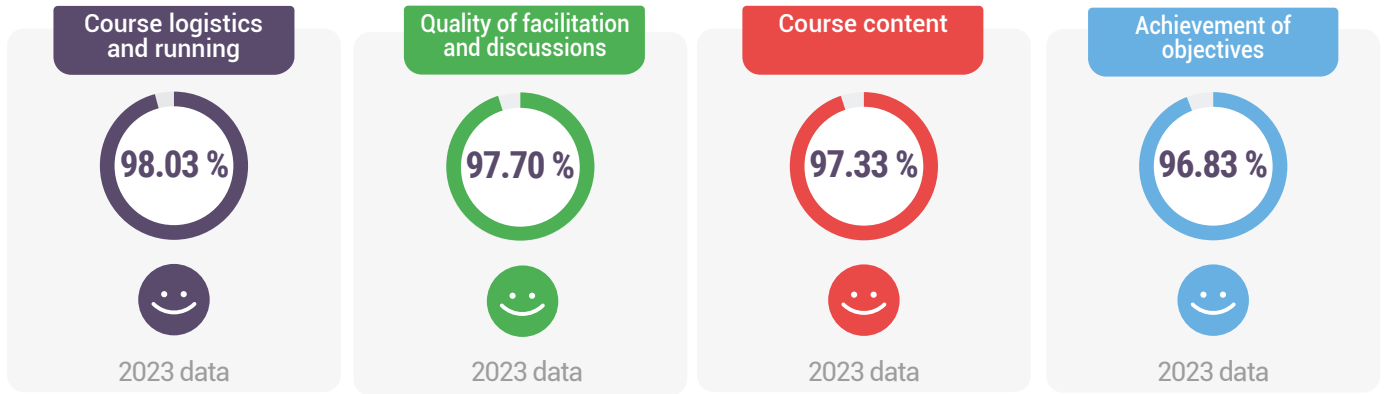
Course to be fully completed within one year of registration

Prerequisites: submission of a certificate of completion of an IMO Level 2 initial training course at Cedre on "Oil spill response at sea and on the shoreline"

Registration: download the registration form using the QR code, complete it and email it to formation@cedre.fr



Participant feedback



“

Je tenais à vous remercier, ainsi que toute votre équipe de l'accueil qui nous a été fait, de la qualité du contenu de la formation ainsi que de votre implication et présence tout au long de notre séjour. ”

“

Thank you for an excellent training. It was great coordination from all sides! ”

“

Je tiens à vous remercier pour votre implication dans la préparation comme dans le bon déroulement de notre stage POLMAR sur l'île de la Réunion. ”

“

이번 훈련의 준비와 진행을 지원해주신 귀사 직원들의 가용성과 전문성에 감사드립니다. ”

“

Leidenschaftliche Lehrerin, sehr interessant und spannend. ”

“

Muy bien. Es raro ver una logística tan perfecta, ¡bien hecho! ”

“

The Cedre trainers were fantastic, wow! wow! wow! They did justice to the course. The knowledge, ability, training and experience of our trainers were superb. Their energy and enthusiasm are huge and infectious. ”

“

感谢你们高质量的课程和在并不轻松的环境中表现出的幽默感！ ”

“

الأمثلة الملموسة مفيدة للغاية ”

”

Accessibility

The practical sessions proposed in some of our courses can involve intense physical activity. Please inform us upon registration, as well as your supervisor upon arrival, of any physical ailments or injuries which may require limited involvement in equipment deployment training and exercises.

Pregnant women are strongly advised to avoid exposure to pollutants.

Our training courses are accessible to people with disabilities. In order to organise the course in the best possible conditions, please email us as: formation@cedre.fr or phone us on: + 33 2 98 33 10 10.

Terms and conditions

▶ Article 1:

Registration on the course is not confirmed until the duly completed registration form has been received. If participants withdraw from the course less than **30 calendar days** before the course start date, 50% of the course fee will be charged.

▶ Article 2:

Payment of the course fee must be made by bank transfer to Cedre within 30 days following the date of invoice.

▶ Article 3:

Special rates are available for members of administrations, fire brigades and Cedre's Strategy Committee. Please contact our Studies and Training Department for further details.

▶ Article 4:

Neither of the parties shall have failed its contractual obligations insofar as their performance is prevented by a case of force majeure.

▶ Article 5:

The technical information, presentations and materials provided or used during the training course are the property of Cedre and shall not be used for any other purpose.

▶ Article 6:

When performing the contract, each party shall be liable and shall waive the right to claim for any damages incurred by its own personnel, including damages to personal property.

Legal information

Cedre: Centre of Documentation, Research and Experimentation on Accidental Water Pollution
Association governed by the French law of 1901 with a public service mission

Identification number: 315,429,142 00039

APE code: 7219Z

Training centre n°: 53290244729

Interested in one of our training courses?



Bespoke courses

Get in touch over the phone:
+ 33 2 98 33 10 10
or by email:
formation@cedre.fr

E-learning courses

Download the registration
form here



Standard courses

Download the registration
form here



Please complete the form
and email it to:
formation@cedre.fr

You will receive an email confirming your
registration. A notification letter and a training
agreement will be sent out in due course.

Cedre



Centre de documentation
Alphonse Arzel

www.cedre.fr
contact@cedre.fr



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