



Project Facts

- Co-funded by the Interreg Baltic Sea Region Programme
- Flagship status for Policy Area Safe
- Duration: 2016–2019
- Total budget 2,4 M€

Project Partners

University of Turku, Centre for Maritime Studies, Finland (Lead Partner)
The Finnish Border Guard, Finland
NOVIA University of Applied Sciences, Marine Technology, Finland
Helsinki City Rescue Department, Finland
Estonian Police and Border Guard Board, Estonia
Swedish Coast Guard Headquarters, Sweden
Klaipeda University, Lithuania
Free and Hanseatic City of Hamburg, Ministry of Environment and Energy/
Department of Emission Control/Fire Brigade Hamburg, Germany
Central Command for Maritime Emergencies Germany



ChemSAR Project

Operational Plans and Procedures
for Maritime Search and Rescue in Hazardous and
Noxious Substances Incidents
2016–2019



ChemSAR

Why ChemSAR procedures?

Lack of common operational plans & procedures in the Baltic Sea Region

The ChemSAR project started as a response to the discovered lack of operational plans and standard operational procedures for maritime search and rescue (SAR) operations, which could be used in incidents involving hazardous and noxious substances (HNS).

Risk of severe maritime chemical incidents

As enormous quantities of different chemicals are transported by sea, the risk of a major incident is evident and this challenge needed to be tackled.

Safer and more efficient rescue operations

The created procedures increase the safety of rescue operations, both for the rescuees and the rescue crews. The developed eLearning material offer an opportunity to harmonise the level of know-how in the region and enable joint transnational rescue operations. In addition, the produced Chemical Dataportal is a tool to find reliable and relevant information on HNS in rescue operations.

Handbook for Maritime SAR in HNS Incidents

The developed guidelines and procedures enhance the preparedness for international rescue operations in maritime incidents involving hazardous and noxious substances (HNS). They also clarify and harmonise the processes already in use and increase the rate of saving human lives.

The ChemSAR handbook collects the guidelines together. The operational plan (OP) and standard operational procedures (SOPs) are supplementary to the existing maritime rescue guidelines and regulations.



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ChemSAR eLearning Material

The aim of the eLearning material is to increase capacities of the maritime rescue authorities and services, and to improve the competence and transnational co-operation capabilities in the Baltic Sea Region.

The materials are structured and based on the ChemSAR OP and SOPs. The material has sub-units for each SOP. In the eLearning environment, you can test your knowledge and awareness on HNS situations in a Pretest and in several Quizzes.

chemsar.utu.fi

ChemSAR Chemical Dataportal

The ChemSAR Chemical Dataportal is an easy-access tool to find relevant information relative to rescue operations where HNS are involved. It helps to assess the incident situation as vast amount of information on HNS can be accessed fast and in practical form. Prime international databanks help to find reliable and comprehensive information on HNS, which is specified and continuously updated.

The Chemical Dataportal provides useful software, worksheets and other tools to enable planning for and responding to chemical emergencies at sea.

The ChemSAR Dataportal can also be accessed by mobile devices.

chemsarportal.com

Piloting

The created ChemSAR procedures, eLearning environment and materials, and Chemical Dataportal have all been tested or piloted by end-users. The procedures have been tested in three international exercises: in a Tabletop exercise in June 2017, Simulator exercise in October 2017, and Live exercise in September 2018. The piloting was carried out by authorities responsible for the maritime search and rescue.

The exercises, the contents and usability of the eLearning environment and materials as well as the Chemical Dataportal have been evaluated by external experts.

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Photo: Balex Delta

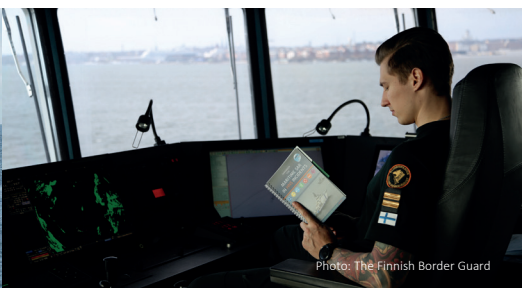


Photo: The Finnish Border Guard

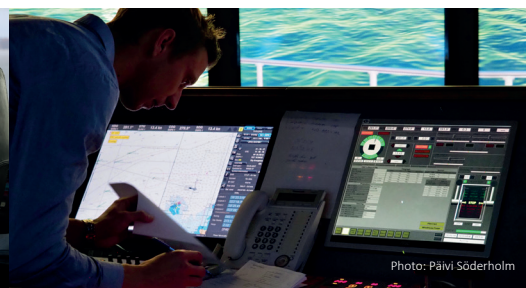


Photo: Päivi Söderholm



Photo: The Finnish Border Guard

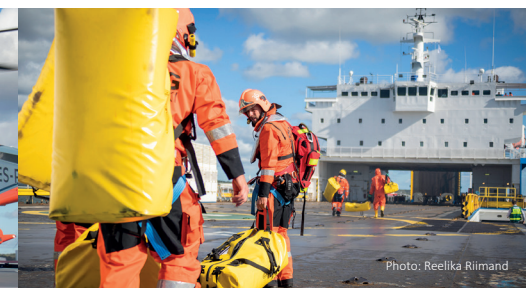


Photo: Reelika Riimand

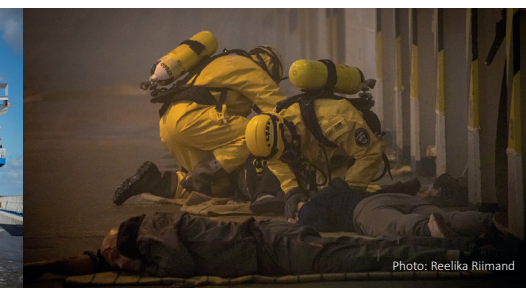


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