

MITIGATING THE EFFECTS OF EMERGENCIES IN THE BALTIC SEA REGION PORTS 2016–2019



HAZARD project aims at mitigating the effects of emergencies in major seaports in the Baltic Sea Region. The types of safety and security emergencies include, for example, leakages of hazardous materials, fires on passenger ships at port, oil spills in port areas as well as explosions of gases and chemicals. The project enables better preparedness through joint exercises, improved communication between authorities in emergencies, better compliance of regulatory framework and better use of risk assessment methods as well as faster adoption of state-of-the-art technologies.

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PROJECT MILESTONES March 2017–October 2017

April 2017	Policy Discussion Event, Brussels BE
May 2017	Chemrad Large-Scale Exercise, Hamburg DE
June 2017	Cybersecurity in Ports Seminar, Helsinki FI
June 2017	LNG Safety Seminar, Klaipeda LT
September 2017	Oil Spill Exercise, Porvoo FI
September 2017	Chemical Accident Exercise, Klaipeda LT
October 2017	Oil Spill and Mass Evacuation Exercise, Naantali FI

ChemRad Large-Scale Exercise: EMERGENCY RESPONSE TO AN INCIDENT INVOLVING CHEMICALS AND DECONTAMINATION OF AFFECTED PERSONS, 13 May 2017 Hamburg



Photo: Päivi Söderholm



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Photo: Päivi Söderholm



Photo: Jarmo Malmsten

The scenario of the exercise involved several leaks of different hazardous materials; oil, toxic gas and radioactive activity. A vast amount of people were affected by a toxic aerosol.

The aim of the exercise was to practise blocking of the hazardous leaks and decontamination of affected persons. Many authorities and organisations took part in the exercise. Therefore practising the co-operation and communication between the organisations had an important role in the exercise.

This large-scale exercise was arranged by The Hamburg Fire and Rescue Service. About 560 persons took part in the exercise which was one of biggest exercises that has ever been arranged in Hamburg.

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Joint Exercise: OIL SPILL RESPONSE, 6–7 Sep 2017 Porvoo



Photo: Jarmo Malmsten



Photo: Jarmo Malmsten

A bunker vessel caused a leakage of 10,000 litres of heavy fuel oil in the sea. The aim of the exercise was to limit the leakage by placing a containment boom around the leaking vessel and to recover the oil from the sea.

The exercise was arranged by Neste Corporation together with several authorities and volunteer organisations. The exercise tested oil destruction measures, co-operation between the authorities and manoeuvring of people and vessels. Over 100 persons participated in it.

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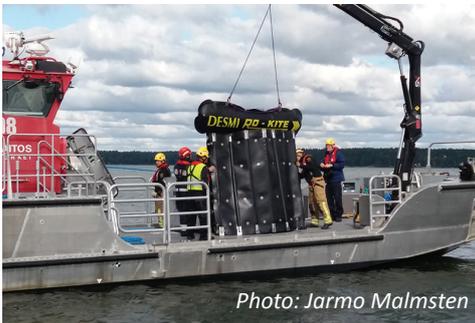


Photo: Jarmo Malmsten



Photo: Jarmo Malmsten

Large-Scale Exercise: CHEMICAL ACCIDENT IN THE CONTAINER TERMINAL, 28 Sep 2017 Klaipeda

A large-scale exercise in the Port of Klaipeda was arranged by the Fire and Rescue Service of Klaipeda County in co-operation with the Port of Klaipeda and the stevedoring company Klaipedos Smelte.

The exercise simulated a chemical accident in the container terminal. Over 150 persons and several organisations took part in the exercise.

[Read more](#)



Photo: Lauri Ojala



Photo: Maria Nykyri



Photo: Maria Nykyri



Photo: Lauri Ojala



Photo: Lauri Ojala

Large-Scale Exercise: OIL LEAK AND MASS CASUALTY INCIDENT, 18 Oct 2017 Naantali

In the scenario a passenger ship and an oil tanker collided outside the port of Naantali and caused a shutdown to the waterway to the ports of Naantali and Turku. There was a fire in the passenger ship and passengers were injured. The collision also caused an oil leak.

The aim of the exercise was to practise evacuation and the operations in the evacuation point, which was established in the Port of Naantali. Multiple authorities and volunteer organisations, altogether about 300 persons, took part in the exercise, which was arranged by the Southwest Finland Emergency Center.

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Photo: Jere Satamo



Photo: Mariikka Whiteman



Photo: Mariikka Whiteman

CURRENT POLICY ISSUES IN MARITIME AND PORT SAFETY & SECURITY, 26 Apr 2017 Brussels

HAZARD arranged together with two other EUSBSR flagship projects ChemSAR and Dive SMART Baltic a policy discussion seminar on Maritime and port safety and security. The purpose of the event was to discuss about current issues and their compliance in the maritime and port safety and security.

HAZARD Project Director, Professor Lauri Ojala chaired the discussion, the speakers in the panel were Mr. Markku Mylly (EMSA), Ms. Merja Kyllönen (EP), Mr. Bogdan Oldakowski (BPO), Mr. Norbert Denninghoff (Neste Corporation, Rotterdam) and Mr. Chris Addiers (FEU).

The common message from all speakers was that in order to reach the goal for a safe and secure maritime transport and port operations we need co-operation between all sectors.

[Read more](#)



Lauri Ojala (HAZARD) and Markku Mylly (EMSA)



Merja Kyllönen (EP) and Bogdan Oldakowski (BPO)



Norbert Denninghoff (Neste Corporation) and Lauri Ojala



Chris Addiers (FEU)

CONTACT

Project Director
Prof. Lauri Ojala
E-mail: lauri.ojala@utu.fi
Mobile: +358 50 502 7031

Project Manager
Dr. Jarmo Malmsten
E-mail: jarmo.malmsten@utu.fi
Mobile: +358 50 409 1493

Communication Manager
Mariikka Whiteman
E-mail: mariikka.whiteman@utu.fi
Mobile: +358 40 779 9490

Postal address:
Turku School of Economics
FI-20014 University of Turku
Finland

WORKSHOP WITH EMSA EXPERTS, 31 August 2017 Lisbon

ChemSAR and HAZARD projects organised a workshop with EMSA (European Maritime Safety Agency) experts. The workshop handled e.g. regulatory framework, EMSA's information services on HNS, and lessons learned from SOP's (Standard Operational Procedures).

The joint EMSA Workshop was found mutually useful. The projects received vast amount of useful information,

i.e. on different kinds of information available at EMSA in relation to HNS incidents. EMSA representatives saw advantages in the co-operation with projects as it is the projects, which create new information and organize exercises where EMSA information and databases can be used. This enhances the exchange of experiences and information perhaps not otherwise possible.

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Photo: Päivi Söderholm

EXECUTIVE SUMMARY OF RELEVANT CURRENT EU SAFETY REGULATION FOR BSR SEAPORTS

HAZARD gathered together relevant safety legislation for BSR seaports, including international safety codes and agreements for Baltic Sea area (e.g. ISM, MARPOL), as well as EU directives and regulations. Altogether over 80 acts of regulation are covered in the publication "Executive summary of relevant current EU safety regulation for BSR seaports".

The publication contains a list of current safety regulation, summary of the relevance for seaports of each regulation, information if the regulation requires authority process and/or reporting concerning seaports and information if there are upcoming changes in the regulation.

[Download the summary from our website.](#)

Publication: COMMUNICATION AND REGULATORY CHALLENGES IN BALTIC SEA REGION PORTS

HAZARD project conducted a study on identifying challenges and development ideas for mitigating emergencies in the BSR seaports. The study brought together representatives of the relevant authorities, seaport actors and research bodies to deal with safety and security issues in seaports.

The most important development areas related to regulation were

- National variations between EU countries in safety and security regulations and administrative demands present a challenge.
- Regulations related to cyber threat preparedness are inadequate in seaports.

- Safety and security regulations are inconsistent, creating fragmentation and problems for seaports.
- Regulations are not always up-to-date, as national legislative processes are too slow.

[Download the publication from our website.](#)



NEXT DATES

12–13 February 2018	KriSu Exercise, Turku FI
March 2018	Communication Seminar, Riga LV
April 2018	Joint Exercise: Incident on a Ro-Ro Ferry, Klaipeda LT
May 2018	Joint Exercise, Turku/Naantali FI
14–15 September 2018	Joint Exercise, Hamburg DE

CONTACT

Project Director
Prof. Lauri Ojala
E-mail: lauri.ojala@utu.fi
Mobile: +358 50 502 7031

Project Manager
Dr. Jarmo Malmsten
E-mail: jarmo.malmsten@utu.fi
Mobile: +358 50 409 1493

Communication Manager
Mariikka Whiteman
E-mail: mariikka.whiteman@utu.fi
Mobile: +358 40 779 9490

Postal address:
Turku School of Economics
FI-20014 University of Turku
Finland