

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

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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.



### PROJECT MILESTONES DURING THE SECOND PERIOD (Sep 2016–Feb 2017)

Sep 2016	Chemical leak exercise in Hamburg
Oct 2016	Partner Meeting in Hamburg
Oct 2016	WP2 Meeting in Klaipeda
Nov 2016	WP4&5 Meeting in Hamburg
Dec 2016	Chemical leak exercise in Turku
Jan 2017	Communication is Crisis seminar in Turku
Feb 2017	KriSu Exercise in Turku and Kuopio

### WP2 Joint Exercise: CHEMICAL LEAK ON THE RIVER ELBE, 16–17 Sep 2016

The second HAZARD exercise was held in Hamburg on 16–17th of September 2016. The objective of this exercise was to practise chemical spill response on the river Elbe, and to practise decontamination- and CBRN-reconnaissance of the volunteer fire fighter units. The objective was also to practice co-operation, reporting channels and communication between the different units involved.

In the exercise scenario dredging work on the river bed of the river Elbe caused a gas leakage. The gas escaped from a leaking barrel in the dredged material, and gases, which cause damage to human health, were released.



WP2 Joint Exercise: AMMONIA LEAK IN THE PORT OF TURKU, 7 Dec 2016



Photo: Esko Keski-Oja



Photo: Mikko Grönman

1000 kg of ammonia was released into the atmosphere in the Port of Turku. The smell of ammonia travelled in the atmosphere as far as the Tallink Silja passenger terminal, where hundreds of ferry passengers were waiting to get into the ferry and 50 people got seriously injured due to the panic and mayhem.



Photo: Mariikka Whiteman



Photo: Mikko Grönman

The Southwest Finland Emergency Services, in co-operation with other authorities planned and held a large scale emergency exercise in the Port of Turku on 7th December 2016. The objectives for the exercise were to practise co-operation and communication between the authorities, common situational awareness and leading of multi-agency operations.

COMMUNICATION IN CRISIS OR EMERGENCY SITUATION  
COMMUNICATION, 18–19 Jan 2017

HAZARD project started the year 2017 with a seminar "Effective Communication in Crisis". The emphasis was on communication in emergency situations, whether that means communication between different authorities, communication towards

the general public or preventing "fires" in the social media in connection to emergency situations. The seminar was organised by the Southwest Finland Emergency Services.



Photos: Mariikka Whiteman

**STORMS, FLOOD, COLLIDING VESSELS AND EXPLOSIONS ON BOARD, KriSu Exercise 13–15 Feb 2017**

Emergency Services College of Finland organises yearly a large-scale rescue management exercise called KriSu (Crisis and large-scale emergencies Exercise). HAZARD project partners and associated partners had the possibility to observe the exercise in Kuopio and in Turku.

The purpose of the exercise is to deepen competence in management systems and in a wide range of management-related practices in different levels of management. The exercise covers the entire rescue operations chain from being notified of an emergency to accident reporting. The exercise focuses on the co-operation between authorities and the aim is to practice co-operation with all authorities.

One of the objectives is also to train decision making while tired. The exercise lasts several days and provides participants with experience on



*Photo: Mariikka Whiteman*

working while tired in situations that require taking demanding decisions. During the exercise days the participants faced storm and major flood, which

then caused a large number of different incidents, i.e. shipping and aviation accidents and hazardous material and oil spill accidents.

**WP2 MEETING IN KLAIPEDA 26–27 OCTOBER 2016**

The WP2 meeting in Klaipeda offered an opportunity to an intensive exchange between the partners. During

the first meeting day partners discussed forthcoming activities at the end of the year 2016 and at the

beginning of the year 2017. The next large- and small-scale exercises were in the agenda, and the plans were introduced. Additionally, the participants discussed the possibilities of the short-term staff exchange as a part of the project activities in the WP2.



*Photo: Mindaugas Kruopys*

On the second day, the participants had an overview of the Fire and Rescue Service of Klaipeda County. The presentation on the findings and conclusions related to Hamburg Exercise in last September was given as well.

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**WP4/WP5 MEETING IN  
HAMBURG 21–22 NOVEMBER**

HAZARD is not only about emergency exercises. One part of the project is to help project partners and their peers to better understand and apply risk analysis and assessment methods in mitigating accident risks in seaports and areas adjacent to these (WP4), and speeding up the adoption of state-of-the-art technology (WP5).

WP4 & WP5 were working on the topics in the Meeting in Hamburg 21–22 November 2016.

*Photos: HHLA*



**TESTING OF RESCUE EQUIPMENT AND PROCEDURES  
FOR RESCUING VAN CARRIER DRIVERS**

Part of the HAZARD project is to test new equipment and state-of-the-art technologies in order to help the operators to make use of them faster and in that way make the rescue operations more effective. HHLA and Hamburg Fire and Rescue Service carried out seven rescue exercises at HHLA Container Terminal Burchardkai in Hamburg to rescue Van Carrier drivers out of the cabin during the time period June–October 2016.

Seven separate exercises were arranged to give as many firefighters as possible, who are on duty at the fire station Finkenwerder, the chance to

train on the object with the possibility to destroy the cabin to rescue the driver from cabin.

The maintenance catwalk was chosen for the site of the exercise so that the firefighters had the possibility to have a look inside the cabin and to learn how to put the steering wheel aside.

This exercise was one part of the already existing rescue concept of HHLA Container Terminal Burchardkai to get the driver out of the cabin with the chance to test own equipment, firefighters equipment and also the alarm and rescue plan.



**NEXT DATES**

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|------------|--|
| 26 April   | Current Policy Issues in maritime and port safety & security policy discussion event in Brussels |
| 11–12 May  | HNS preparedness workshop with ChemSAR and DiveSMART Baltic in Hamburg                           |
| 12–13 May  | ChemRad 2017 exercise in Hamburg   |
| 13–14 June | LNG Seminar in Klaipeda  |
| 27–29 Sep  | Partner meeting and LNG accident exercise in Klaipeda  |
| 17–19 Oct  | Exercise at Neste refinery in Naantali   |

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