



HAZARD Project

Mitigating the Effects of Emergencies in Baltic Sea Region Ports 2016–2019

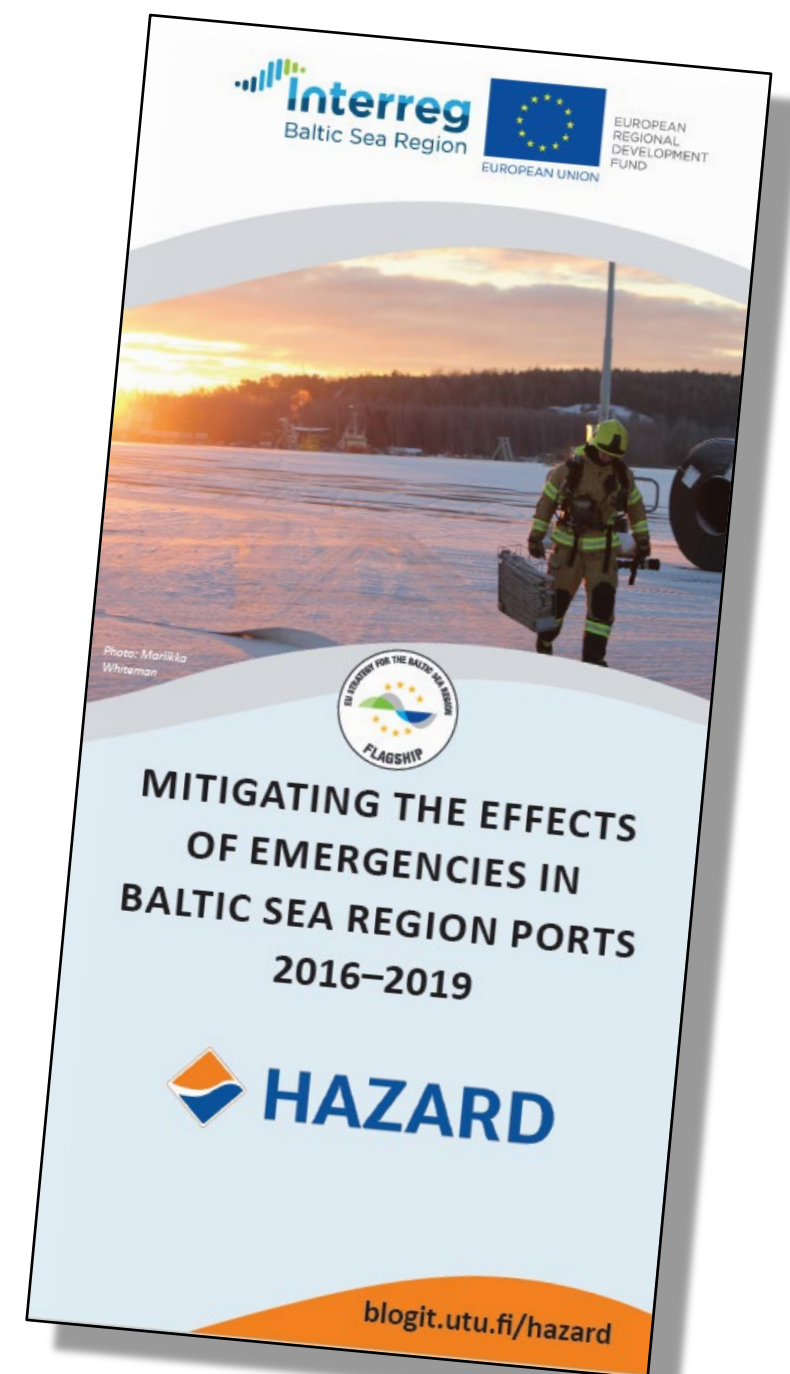
HAZARD in a nutshell

HAZARD helps to mitigate emergencies in major seaports and to improve related safety and security preparedness in the Baltic Sea Region (BSR)

3 year project period: 2016–2019

Total budget: 4.3 M€

**Co-funded by European Union—
Interreg Baltic Sea Region Programme**



Project outputs

- I. Large-scale exercises, where co-operation and communication between authorities are practised.
- II. Knowledge about relevant and current EU safety regulation for seaports, and collecting, verifying and disseminating information on the upcoming changes in regulations.
- III. Knowledge about risk assessment methods & models: publications and seminars about the subject.



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Kaikki	290				
Käyttö	290				
Batteri	290				
Häiriö	290				



HAZARD Consortium

Analytic & Knowledge Partners

University of Turku (FI)
Vilnius Gediminas Technical University (LT)
Hamburg University of Technology (DE)
Polish Safety and Reliability Association (PL)
University of Borås (SE)

Partners representing Rescue Services or other authorities

Southwest Finland Emergency Services (FI)
Hamburg Fire and Rescue Service (DE)
Fire and Rescue Board of Klaipeda County (LT)
Viimsi Municipality (EE)

Partners representing seaports

Port of Turku Ltd (FI)
Klaipeda State Seaport Authority (LT)
Port of Naantali Ltd (FI)
Neste Corporation, Logistics (FI)
Hamburger Hafen und Logistik AG (DE)

Associated Organisations

FEU (Federation of the European Union Fire Officer Associations)

CTIF (International Technical Committee for the Prevention and Extinction of Fire)

Estonian Rescue Board, Northern Rescue Centre (EE)

Swedish Civil Contingencies Agency (SE)

Fire and Rescue Services Region South (SE)

Ports of Stockholm (SE)

Baltic Port Organisation (PL)

Finnish Transport Safety Agency (FI)

Finnish Port Association (FI)

Regional Council of SW Finland (FI)

Alfons Håkans (FI)

SeaHow by Meritaito Ltd. (FI)

Euroacademy (EE)

**Associated organisations
support the project
implementation and may
take part in activities but
do not receive
Programme financing**

Programme financing

do not receive
 **HAZARD**



JOINT EXERCISES AND COMMUNICATION IN EMERGENCIES

WP2 Leader:
SW Finland Emergency Services



The core activities in WP2 comprise joint exercises executed in all partner regions on relevant themes.

Joint exercises are very concrete rescue, emergency and security exercises, which are planned and executed by the participating seaports and relevant authorities.

10 Large-scale exercises and several smaller exercises have been organised during the HAZARD Project.



HAMBURG (DE)

Sept 2016



KUOPIO (FI)

Feb 2017



TURKU (FI)

Dec 2016



HAMBURG (DE)

May 2017



KLAIPEDA (LT)

Sept 2017



NAANTALI (FI)

Oct 2017



TURKU (FI)

Feb 2018



KLAIPEDA (LT)

April 2018



NAANTALI (FI)

May 2018



KLAIPEDA (LT)

Oct 2018



TURKU (FI)

Nov 2018



HAMBURG (DE)

Sept 2018



Large-scale Exercises in



HAZARD



REGULATORY FRAMEWORK ON SAFETY & SECURITY

WP3 Leader:
University of Borås



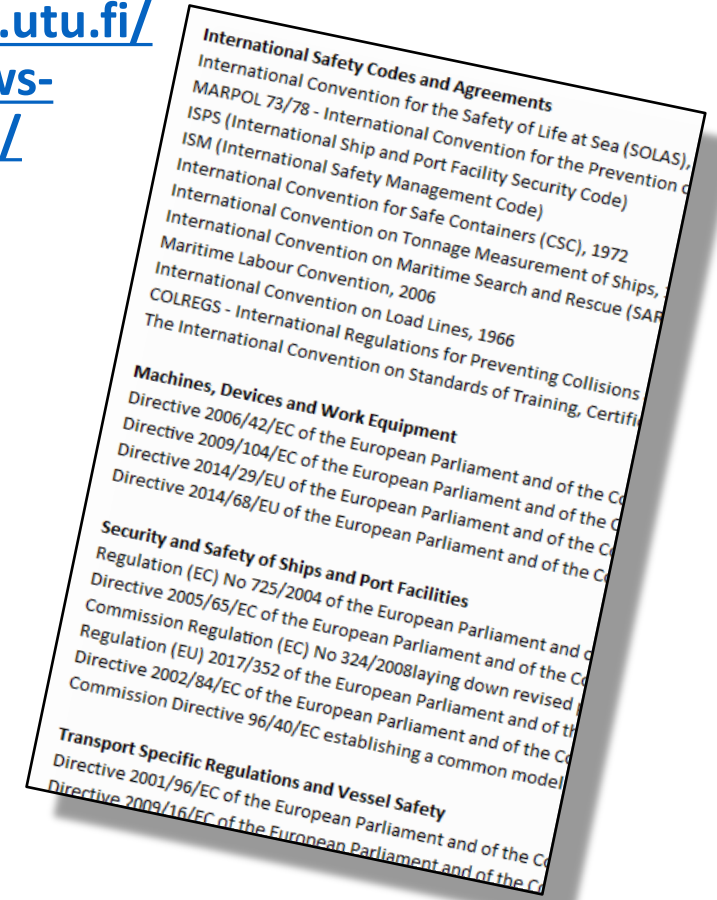
Better compliance of regulatory frameworks

Preparations for future changes in regulations

Special themes in WP3: Cybersecurity

Executive summary of relevant current EU safety regulation for BSR seaports

<https://blogit.utu.fi/hazard/reviews-presentations/>



HAZARD



RISK ASSESSMENT AND ANALYSIS

WP4 Leader:
Hamburg University of Technology



The aim is to help relevant target groups to better understand and apply risk analysis and assessment methods

For this, it is need...

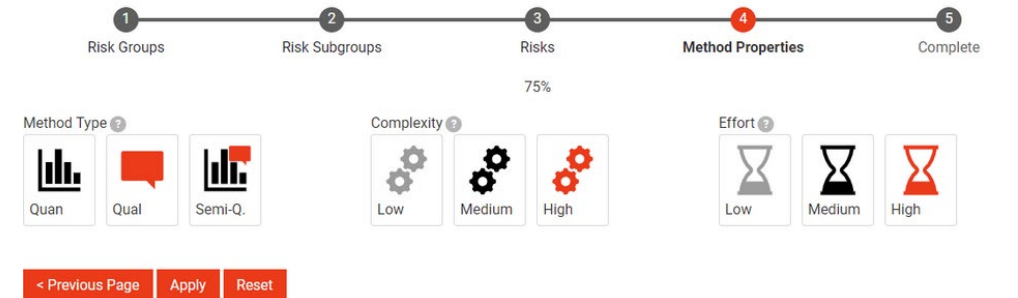
- to obtain a verified status of the usage of those methods; and
- to identify barriers faced by the target groups in their implementation.

Online Toolbox for Risk Assessment Methods in Seaports

<https://hazard.logu.tuhh.de>

HAZARD TOOLBOX

The hazard toolbox is organized as a layered form to be filled out by the user to narrow down the risk assessment methods based on his/her defined criteria including the risk and method type as well as the required effort and complexity of the method.





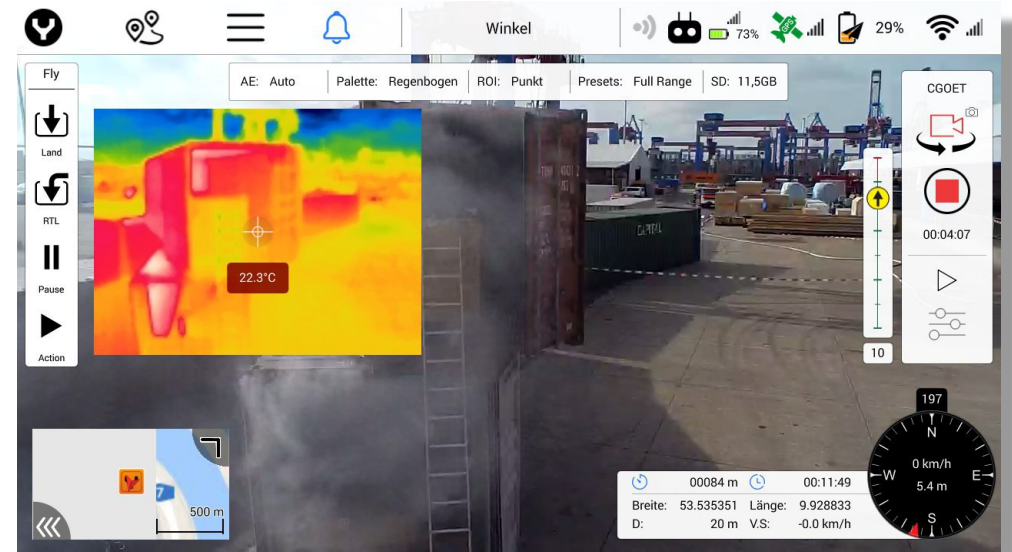
EQUIPMENT TESTING AND DEVELOPMENT

WP5 Leader:
Hamburger Hafen und Logistik AG



Faster adoption of state-of-the-art technologies

- Increased knowledge of state-of-the-art equipment and technology to be used to mitigate the adverse effects of major accidents or emergencies, or security concerns that may occur especially in relation to seaports.
- The increased knowledge and exchange of experiences on technologies used in exercises, emergencies and/or security issues.



HAZARD PUBLICATIONS in the public domain

HAZARD has published 29 publications so far on seaport safety and security issues, safety regulations and risk assessment methods and models.

All publications are available in:

<https://blogit.utu.fi/hazard/publications/>



HAZARD

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Photo: Reima Kokko / Valolink

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