Overview of the OpenRisk II project

Mirka Laurila-Pant

Finnish Transport and Communications Agency Traficom

https://interreg-baltic.eu/project/openrisk-ii/

OpenRisk II - Tools for shared & dynamic maritime traffic risk picture of the Baltic Sea region

Background

- A need for Risk Assessments in Baltic Sea intergovernmental work, to avoid inefficiencies, and increased accident risks.

- Lack of joint regional tools for estimating marine ecosystem vulnerability during spill response, hindering coordinated regional planning.

- Growing importance of systematic risk management in maritime administrations, necessitating common criteria for evaluating private sector risk assessments, which are currently lacking.

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OpenRisk II

OpenRisk II - Tools for shared & dynamic maritime traffic risk picture of the Baltic Sea region

Objectives

- Develop innovative tools for competent maritime authorities to prevent accidents, minimize human and environmental impact, and enhance overall risk management.

- Prioritize user-friendly solutions that address real challenges faced by maritime authorities, ensuring effectiveness in improving risk management quality.

OpenRisk II

- Duration

  November 2023 - October 2026

- Budget

  Total budget: **2 M EUR**

  Funding source: **Interreg Baltic Sea Region**

OpenRisk II: Partnership

1	LP	Finnish Transport and Communication Agency	FI	National public authority
2	PP	Aalto University Foundation sr	FI	Higher education and research institution
3	PP	Norwegian Coastal Administration	NO	National public authority
4	PP	Gdańsk University of Technology	PL	Higher education and research institution
5	PP	University of Tartu	EE	Higher education and research institution
6	PP	Helsinki University	FI	Higher education and research institution
7	PP	Nordic Investment Bank (NDPTL Secretariat)	FI	International governmental organisation

OpenRisk II: Associated Organisations

| No.	Organisation (English)	Country	Type of Partner
AO 1	Swedish Maritime Administration	SE	National public authority
AO 2	Estonian Ministry of Climate	EE	National public authority
AO 3	Estonian Transport Administration	EE	National public authority
AO 4	Northern Dimension Partnership on Culture (NDPC) Secretariat	LV	International governmental organisation
AO 5	Fintraffic Vessel Traffic Services Ltd	FI	Infrastructure and public service provider

OpenRisk II – Key components

OpenRisk II: Key components 1/3

AISyRISK Baltic together with module on ice

- AISyRISK tool is for automated calculation of risk in marine waters.

    → https://aisyrisk.no/

- The risk is presented in illustrative graphs that can be interacted with.

- OpenRisk II aims to extend this tool to the Baltic Sea region, with plans to introduce a new module for ice navigation risk.
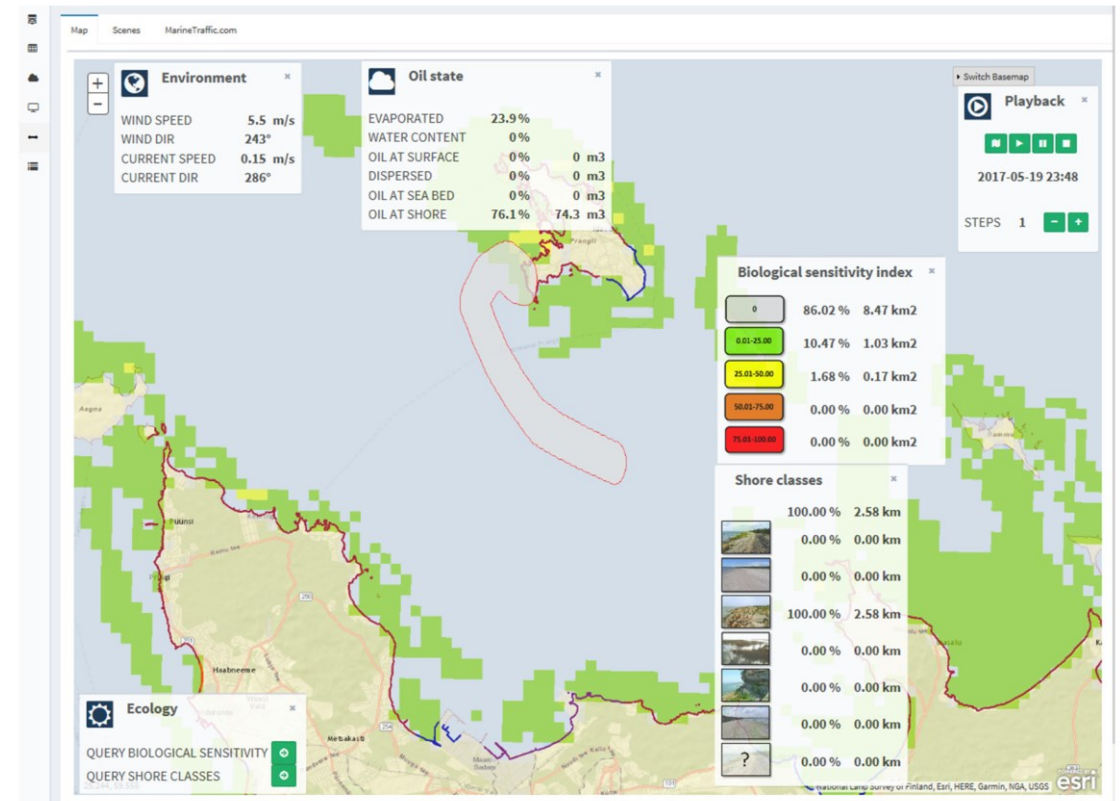
OpenRisk II: Key components 2/3

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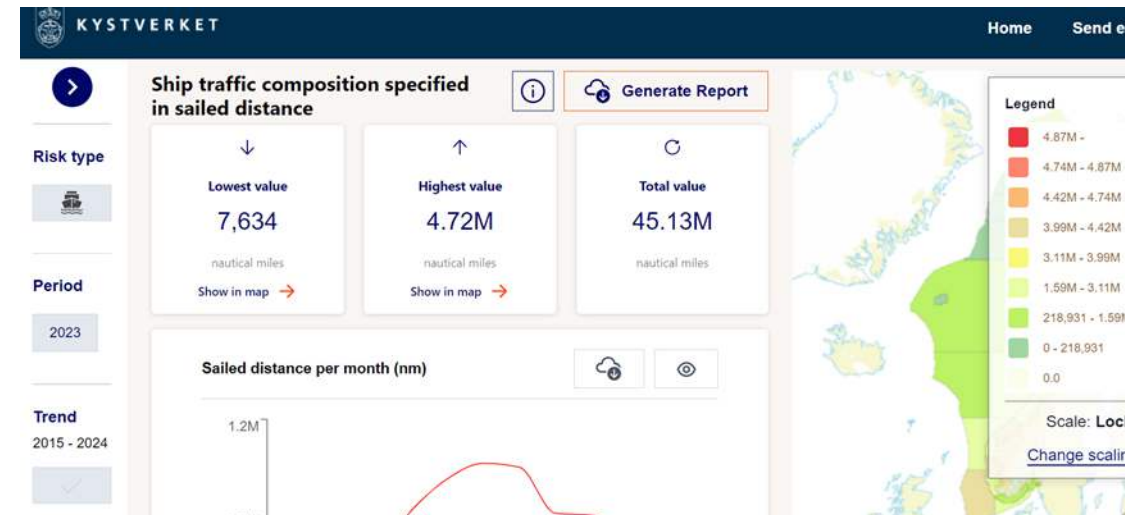
A regional service on vulnerability of the Baltic marine ecosystem to maritime spills

- Design a regional online service on the vulnerability of the Baltic Sea marine ecosystem to marine oil spills.

- Based on stakeholders feedback, select the most appropriate elements of such a tool.

- Develop further the existing system (PlanWise4Blue) and frameworks to ensure compatibility between the project solutions and other existing systems.

Tool to evaluate risk management performance of the relevant administrations, and the quality of risk assessments

- Tool for evaluating the current risk management performance of the administration and the quality of risk assessments

- The end users of this tool are maritime authorities, as well as other transport authorities and relevant stakeholders.

Attributes	Maturity levels				
	1. Inadequate	2. Reactive	3. Compliant	4. Proactive	5. Optimal
1 Ethics and integrity	L1/A1	L2/A1	L3/A1	L4/A1	L5/A1
2. Leadership and commitment	L1/A2	L2/A2	L3/A2	L4/A2	L5/A2
3. Design	L1/A3	L2/A3	L3/A3	L4/A3	L5/A3
4. Integration	L1/A4	L2/A4	L3/A4	L4/A4	L5/A4
5. Resources	L1/A5	L2/A5	L3/A5	L4/A5	L5/A5
6. Communication and consultation	L1/A6	L2/A6	L3/A6	L4/A6	L5/A6
7. Continuous improvement	L1/A7	L2/A7	L3/A7	L4/A7	L5/A7
8. Risk terminology	L1/A8	L2/A8	L3/A8	L4/A8	L5/A8
9. Definition of context	L1/A9	L2/A9	L3/A9	L4/A9	L5/A9
10. Data and information	L1/A10	L2/A10	L3/A10	L4/A10	L5/A10
11. Tools and techniques	L1/A11	L2/A11	L3/A11	L4/A11	L5/A11
12. Hazard identification	L1/A12	L2/A12	L3/A12	L4/A12	L5/A12
13. Risk analysis and evaluation	L1/A13	L2/A13	L3/A13	L4/A13	L5/A13
14. Risk control measures	L1/A14	L2/A14	L3/A14	L4/A14	L5/A14
15. Cost-benefit assessment	L1/A15	L2/A15	L3/A15	L4/A15	L5/A15
16. Recommendations	L1/A16	L2/A16	L3/A16	L4/A16	L5/A16
17. Decision-making	L1/A17	L2/A17	L3/A17	L4/A17	L5/A17
Score	1	2	3	4	5

Contacts

Mirka Laurila-Pant

Finnish Transport and Communications Agency Traficom

mirka.laurila-pant@traficom.fi

Finnish Transport and Communications Agency

The OpenRisk II project co-funded by the Interreg Baltic Sea Region Programme 2021-2027 helps to minimise maritime accidents and their footprint on the marine environment.