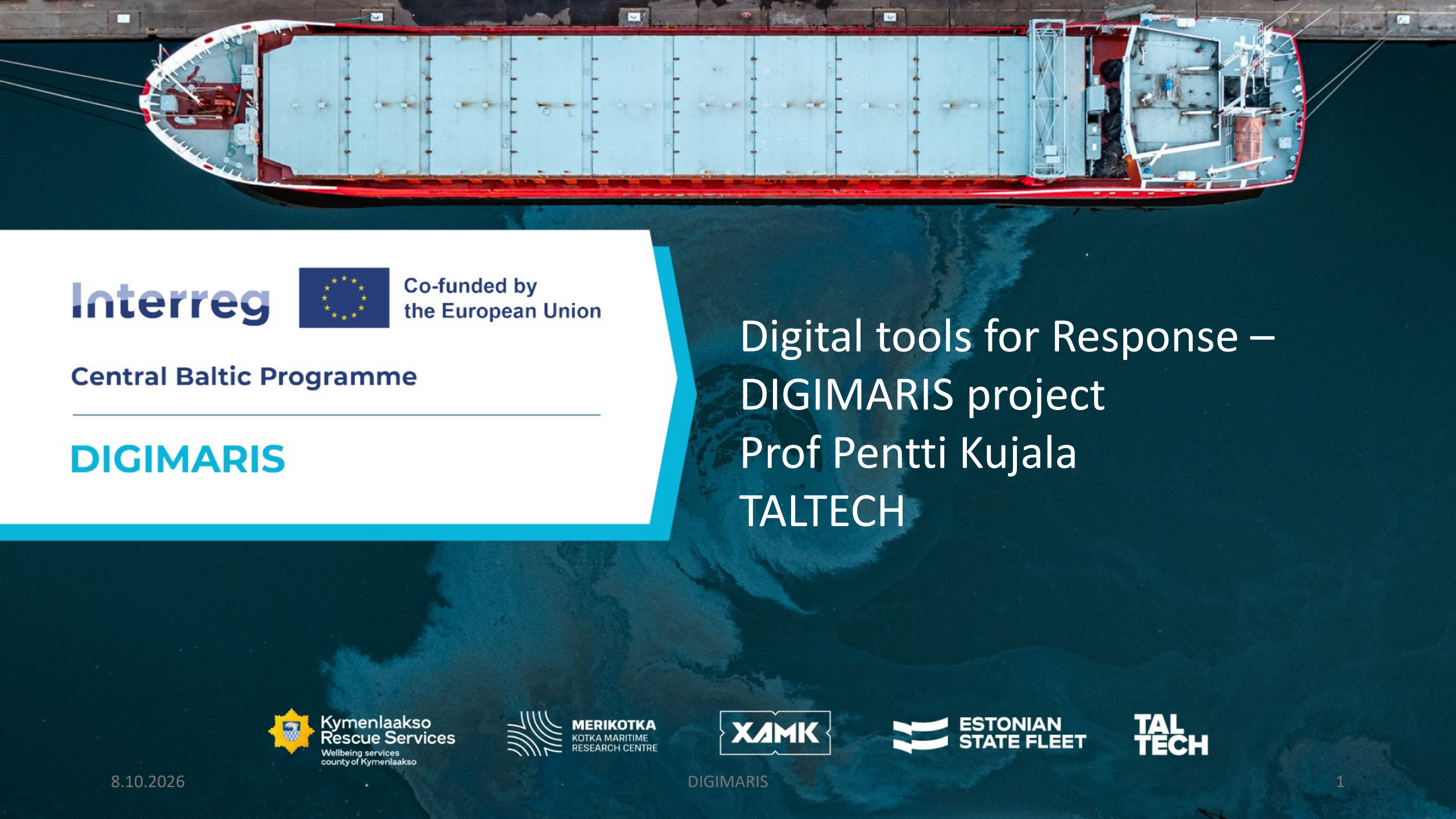




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DIGIMARIS

Digital tools for Response –
DIGIMARIS project
Prof Pentti Kujala
TALTECH



**Kymenlaakso
Rescue Services**
Wellbeing services
county of Kymenlaakso



MERIKOTKA
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Digimaris: aims and work plan

- DIGIMARIS is evaluating the criteria for a new digital device for marine spill response teams in Finland and Estonia.
- Implementing time: 9/2025 – 2/2028, Funded by Central Baltic Programme.
- Project consortium: Estonian State Fleet, Kotka Maritime Research Centre (LP), Kymenlaakso Rescue Services, South-Eastern Finland University of Applied Sciences and Tallin University of Technology.
- Total budget 2.9 Meuro

Digimaris: aims and work plan

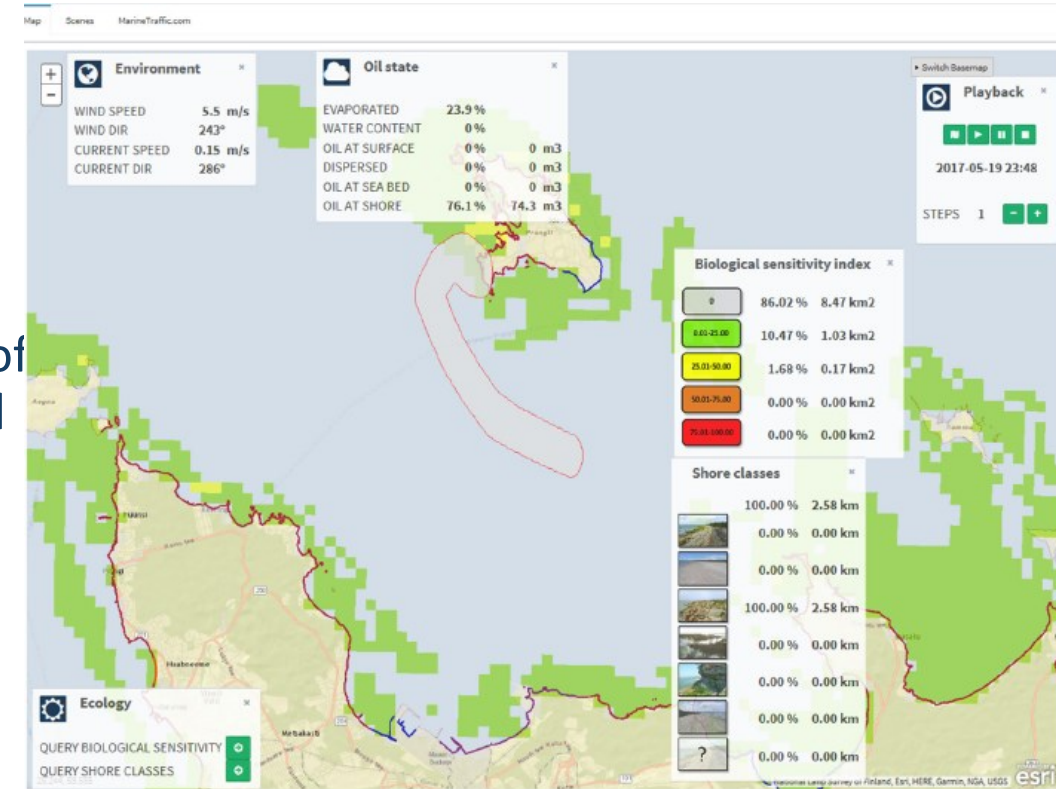
Key steps are:

- Testing the required sensors, other parts and digital devices in oil test basin and at sea.
- Defining criteria for the suitability of devices in response work and their usability.
- Procuring necessary equipment in both countries.
- Integrating data collected by the devices into existing operative systems.
- Providing user guidelines and targeted training for response person



Digimaris: aims and work plan for TALTECH

- Taltech will be responsible for leading a WP2, in which the main new and novel activity is to integrate the current oil spill management system, Smart Response Web (SRW), with the activities of the automated vehicles and other sensors developed in WP 1.
- Taltech will also participate the assessment of the potential of unmanned service vessel (USV) and digital monitoring in spill management operations.
- Taltech has expertise in unmanned surface vehicles (USVs) equipped with modern sensors and will also explore the utilisation of USV vessels and associated



(Fetissov et al., 2021)



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Thank you!



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