EUSBSR
EU STRATEGY FOR THE BALTIC SEA REGION

POLICY AREA 'SAFE'

EUSBSR PA SAFE Operational Steering Group Meeting

Online June 8, 2022

Agenda

1. Welcome words and Tour de Table
2. Approval of the agenda
3. PA Safe operational meeting structure

   BREAK
4. Discussion on operational meeting structure
5. Recommendation: PA Safe operational meeting structure
6. Flagships
7. Known project applications with PA Safe relevance

   Mini-break
8. Financing sources
9. Areas for new project ideas
10. Discussion – project ideas
11. Meeting closure

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Name, Organisation, Country, Field of expertise

Most relevant action for you?

Action 1: Providing reliable navigational conditions to the Baltic Sea

Action 2: Developing winter navigation to meet future challenges

Action 3: To be a forerunner in digitalisation and automation

Action 4: Ensure accurate preparedness and response for maritime accidents and security issues

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PA Safe Meeting Structure

Previous period

SG meeting
- PAC Work
- Policy questions
- Financing
- Flagship status
- New flagships/projects/ideas

Suggestion starting now

Formal SG meeting
- PAC Work
- Policy questions

Operational SG meeting
- Financing
- Flagship status
- New flagships/projects/ideas

PAC work focus

Formal SG meeting

- PAC Work
- Policy questions

- *Less EU meetings*
- More concrete work for SG

Operational SG meeting

- Financing
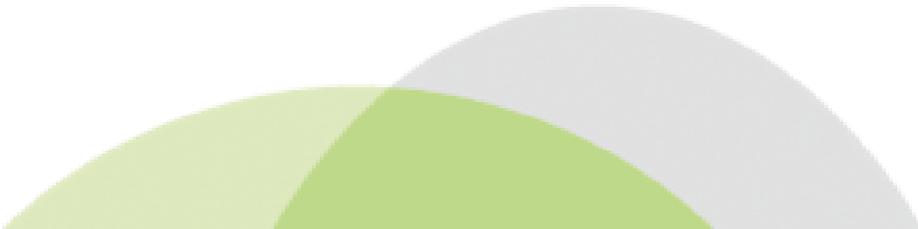- Flagship status
- New flagships/projects/ideas

- Spreading info to more actors
- Less status, more results & ideas
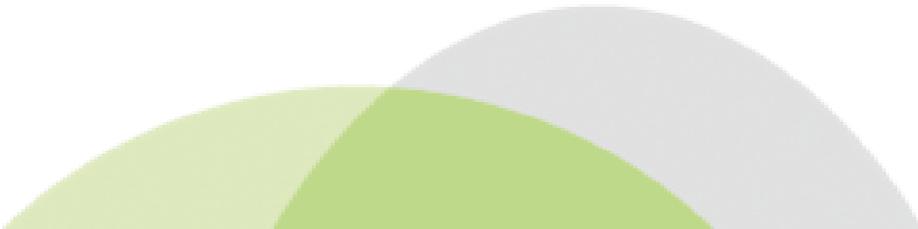- **Enabling more projects supporting the PA Safe Actions**

More concrete policy work for SG

- Urging projects to present policy suggestions

- For each suggestion:
  - 3 country WorkGroup in SG suggest policy actions to the next SG meeting

Enabling more projects supporting the PA Safe Actions

- ## Growing the network
  - – Inviting more people to the operational SG meetings
  - – Form work groups on operational meetings focusing on each action
  - – Arrange local events where presentations are in English but discussions in English/local language
  - – Arrange event for local and regional financers to inform about PA Safe actions and possible build network of co-financers

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PA Safe Meeting Structure

Previous period

SG meeting
- PAC Work
- Policy questions
- Financing
- Flagship status
- New flagships/projects/ideas

Suggestion starting now

Formal SG meeting - *SG members plus guests*
- PAC Work
- Policy questions

Operational SG meeting – *Chair, (SG members), guests and experts*
- Financing
- Flagship status
- New flagships/projects/ideas

Local workshops in each country – *broad industry audience*

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Flagships

- STM BALT SAFE (closed) 2021 – Ulf Siwe, Project Manager, Swedish Maritime Administration

- R-Mode Baltic (closed) 2022 – Stefan Gewies, Project Manager, German Aerospace Center

- Speed up re-surveying (ongoing) – Maarit Mikkelsson, Chair BSHC Monitoring Working Group, Traficom

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STM BALT SAFE
in short

"Promised" Results of STM BALT SAFE

- Increase the institutional capacity in VTS centres and onboard

- Develop a concrete use case for large-scale testing of STM on tanker shipping in the Baltic Sea.

- Develop the digital Maritime Infrastructure

- Increase maritime traffic monitoring from VTS centres. Build prototypes for various automated reporting. Reduce administrative burden.

- Test the new STM clause in BIMCO standard contracts

- Develop operational, commercially viable and sustainable services

Summary - upside

- Successful simulations of VTS operations
- Implementations in VTS Centres
- SOPs
- On-board installations
- Standard for MRS-reporting approved by IMO
- MRS-services tested in two areas
- VDES

Next steps

- SOPs to IALA
- VTS experience exchange forum
- Project ideas
  - On-board automatic reporting
  - VTS in more countries
  - Route sharing in MASS context

**STM BALT SAFE
www.stmbaltsafe.eu**

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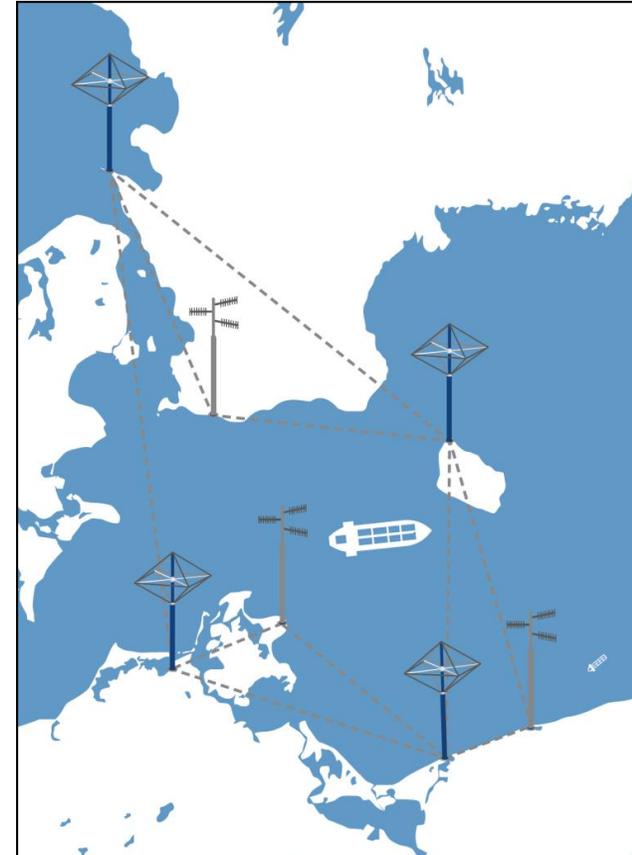
R-Mode Baltic 2

Status Update

Stefan Gewies, DLR

June 8 2022, PA Safe SC meeting of the EUSBSR

R-Mode Baltic 2

- Reliable Position and Timing information are essential to reduce the risk of collisions and groundings and enable new applications at sea

- R(anging)-Mode – maritime terrestrial navigation system developed as backup for GNSS

- R-Mode Baltic: Test bed established in the southern Baltic Sea

- Goals R-Mode Baltic 2
  - Long-term evaluation MF and VDES R-Mode
  - Implementation and test of new concepts
  - Standardisation of R-Mode

R-Mode Baltic 2 achievements
Finished

- Extension of the test bed with 4 permanent R-Mode monitors in Sweden and Germany

- Static evaluation of R-Mode performance of VDES in Gdynia and MF R-Mode in Germany and Sweden

- Dynamic evaluation of MF R-Mode

- Positioning with R-Mode in the port of Gdynia

- Time synchronisation in the R-Mode network (optical fibre, in-band) tested

- Reduction of positioning error of MF R-Mode next to shore

- Input papers to IALA to support continuation of R-Mode standardisation

- Project conference: Presentation of project results
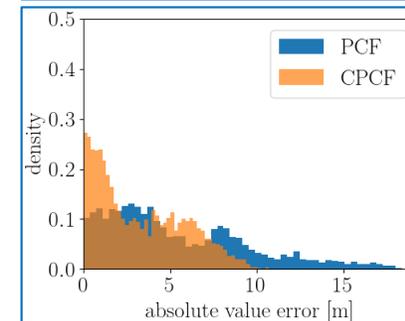
We will continue with R-Mode in the Baltic Sea region

- Project consortium plans
    - To extend the test bed
    - To develop test bed towards an operational system
    - To continue standardisation of R-Mode

- Challenge: funding source

- Ongoing activities to keep the test bed in operation

- We will further support PA Safe to implement it's action plan

Contact

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Project partner

Flagships

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Chart 29

What is this flagship about?

▶ The member states of Baltic Sea Hydrographic Commission have agreed

  ▶ the survey plan containing the routes used by commercial shipping (Cat I and Cat II)

  ▶ and have updated the plan to contain also other areas used typically for environmental protection and safe boating (Cat III) to promote navigation safety.

▶ Surveys will be implemented accordance with IHO standards.

▶ The Ministerial Meeting of the HELCOM have adopted the updated HELCOM Baltic Sea Action Plan (BSAP) on 20 October 2021 to achieve good environmental status in the Baltic Sea.

Cat I & II areas sum about 254 934 km²

Cat III areas sum about 163 483 km²

https://helcomresurvey.sjofartsverket.se/

TRAFICOM
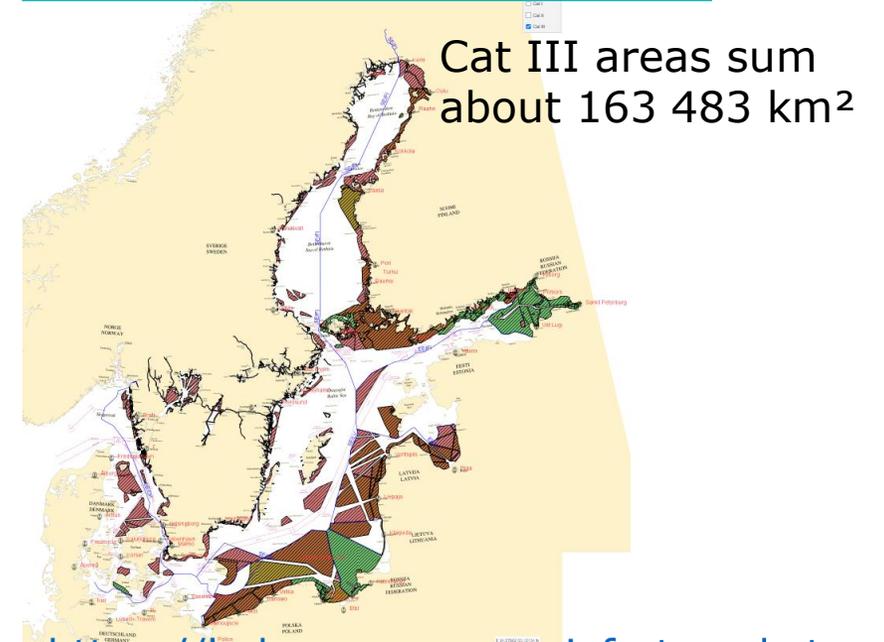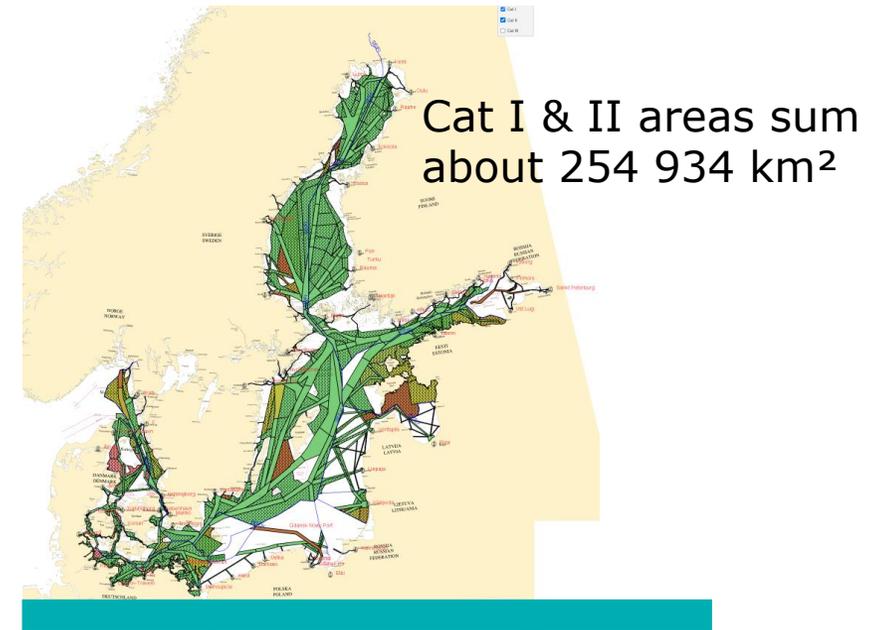
High-level results

▶ The BSHC Monitoring Working Group meeting scheduled for 23.3.2022 suspended but Baltic Sea member states, (except Estonia, Germany and Russia) have updated and verified HELCOM Re-Survey status statistics (spring 2022)

Country	CAT I [~year compl]	Cat I area total / remaining [~km²]	CAT II [~year compl]	Cat II area total / remaining [~km²]	CAT I & II total [~km²]	CAT III [~year compl]	Cat III area remaining [~km²]	Cat III area total [~km²]
Denmark	2013	7 631 / 0	2030	13 926 / 3643	21 557	2033	11 221	11 363
Estonia	2015	8 413 / 0	2035	23 168 / 7 212	31 581	2026	3 766	4 321
Finland	2016	22 321 / 0	2016	28 678 / 0	51 000	2040	22 070	31 077
Germany	2019	3 273 / 0	2025	12 127 / 0	15 400	not applic	-	-
Latvia	2015	2 461 / 0	2023	6 109 /949	8 570	2045	18 838	19 133
Lithuania	2019	1 569 / 1	2026	1 823 / 785	3 400	2040	2 625	3 041
Poland	2022	3 782 / 1 098	2021	906 / 0	4688	2039	19 325	25 126
Russia	2018		2018			1 200	2017	22 204
Sweden	2023	48 568 / 392	2023	69 302 / 3758	117 870	(*) 2036	35 557	(*) 47 393

Next steps

- ▶ Organizing a workshop focusing on autonomous survey –platforms

- ▶ The national Hydrographic Offices of the Baltic Sea countries
  - ▶ perform re-surveys in all updated harmonized HELCOM Re-Survey Scheme areas
  - ▶ study and define Cat I & II areas further based on the existing AIS-information on commercial shipping
  - ▶ follow up the HSWG (Hydrographic Survey Working Group of IHO) and to implement S-44 ed6 to the hydrographic work within the Baltic Sea

- ▶ The BSHC will monitor the progress
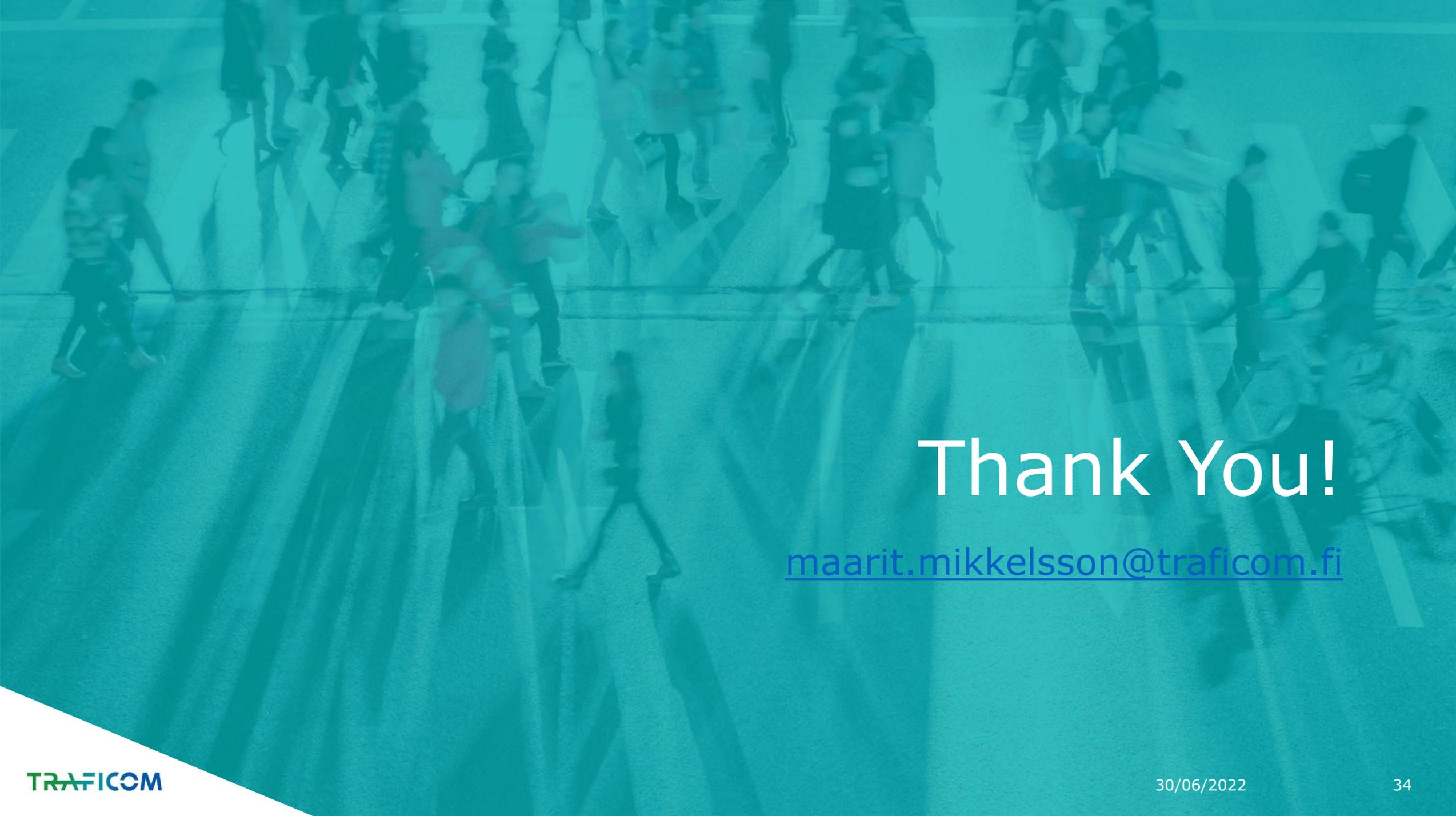
Thank You!

maarit.mikkelsson@traficom.fi

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Focus on making actions real

Action 1: Providing reliable navigational conditions to the Baltic Sea

Action 2: Developing winter navigation to meet future challenges

Action 3: To be a forerunner in digitalisation and automation

Action 4: Ensure accurate preparedness and response for maritime accidents and security issues

Interreg BSR Project applications

11 mentioned PA Safe as relevant to their project proposal

PAC reviewed: 4 projects deemed having flagship potential. Sent feedback to these 4

- **Baltic Sea e-nav** - Shared waters - Same standards. Baltic Sea partnership for e-navigation (SE) (Action 1)
- **MaDaMe** - Maritime Data Methods for Smart Fairways (FI) (Action 3)
- **OpenRisk-2** - A toolbox for assessing and managing maritime safety risks in the Baltic Sea region (PL) (Action 4)
- **BlueDataService** - Emerging marine Digital Twin services for key sectors of the Blue Economy: from climate analysis to operational forecasting (EE) (Action 3)

One cool small project

- **BalMarGrav** - Homogenized marine gravity maps of post-Soviet Baltic countries for modern 3D applications in marine geodesy, geology and navigation (PL) (Action 1)

Other Project applications

Interreg Central Baltic

- **Sustainable Flow** – Reducing CO2 in the multimodal transport system. Measurements, energy savings and renewable trials. (FI) (Action 2)

Other Project applications

Do you know any other project applications relevant for PA Safe?

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Possible funding

Bigger collaboration projects and funding

- **Interreg New Program Period 2021-2027**

(80% funding, can be found for different regions)

- **Interreg Baltic Sea – new call this autumn
4 themes:** 1.) Innovative societies, 2.) Water-smart societies, 3.) Climate-neutral societies, 4.) Cooperation governance

- **Horizon Europe New Program Period (divided into clusters according to different themes)**

- **Horizon Europe: cluster 5 calls:** climate, energy and mobility (2023 & 2024)

- **Horizon Europe: cluster 3 calls**: disaster-resilient societies, protection and security, cybersecurity

- **International Maritime Organization** (different funding instruments)

Other possible funders

- **National funders for SAR projects in different countries** – perhaps gather several of these funders?

- **National funders for environmental protection in different countires** – perhaps gather several of these funders?

- **SIDA:** projects in developing countries (help build up)

- **JPI Oceans:** might open new calls again – more focus on environmental issues and blue economy

- **Research funding** (Mistra, Nordiska Ministerrådet, The Marie Skłodowska-Curie Actions,

- **Funding for SMEs/private sector** (The Competitiveness and Innovation Framework Programme (CIP), Finska Klimatfonden, national agencies, etc)

- **Funding for social issues**: European Social Fund

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Areas for new project ideas

Action 1: "**Providing reliable navigational conditions** to the Baltic Sea"

    -Cross PA S-100 project

    -Leisure boats

Action 2: "Developing **winter navigation** to meet future challenges"

    -next generation IB-net, for example with AI

    -Drones

    -Information sharing

Action 3: "To be a **forerunner in digitalization and automation**"

    -MASS

    -Remote pilotage

Action 4: "Ensure accurate **preparedness and response for maritime accidents** and security issues"

    -Security

    -SAR

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