

Interreg
Baltic Sea Region



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BLUE ECONOMY

Baltic Sea e-Nav



**BALTIC SEA
HYDROGRAPHIC
COMMISSION**



IHO

Status Report Baltic Sea e-Nav

Agenda item D.10



Baltic Sea e-Nav – Partnership

- Hydrographic offices:
 - SE (coordinator), DE, FI, DK, EE, LV (Associated: LT, PL)
- Academia:
 - The Research Institute of Sweden RiSE (SE), Satakunta University of Applied Sciences SAMK (FI)
- Private sector:
 - ECDIS OEM – Furuno
- Meteorological agency:
 - Finnish Meteorological Institute (FMI)
- RENCs:
 - Associated: PRIMAR, IC-ENC





Baltic Sea e-Nav - Scope

Project period November 2023 – October 2026

Goal	Period
Develop production capabilities for S-101 ENC, S-102 bathymetry and in Finland S-104 water level and S-111 surface currents	2023-2025
Establish harmonization rules for S-10x-products. Decisions must be taken for S-101 and S-102 by the 30 th Baltic Sea Hydrographic Commission, 2025. Will be presented to BSICCWG who subsequently will submit them to the Commission, if endorsed by the WG.	2024-2026
Test, evaluate and refine the S-10x products	2025
Commercial rollout for S-101 and S-102 in the Baltic Sea. S-104 and S-111 in parts of FI.	2026



Baltic Sea e-Nav – Commercial Rollout 2026

- **S-101 ENC**s
full coverage of the major shipping routes in the Baltic Sea
- **S-102 Bathymetry**
will cover most relevant shipping routes, fairways and harbor approaches, where hydrographic survey data of sufficient quality is available
- **S-104 Water Level and S-111 Surface Currents**
The Finnish Meteorological Institute (FMI) will establish overview services for mostly the Finnish areas of the Baltic Sea

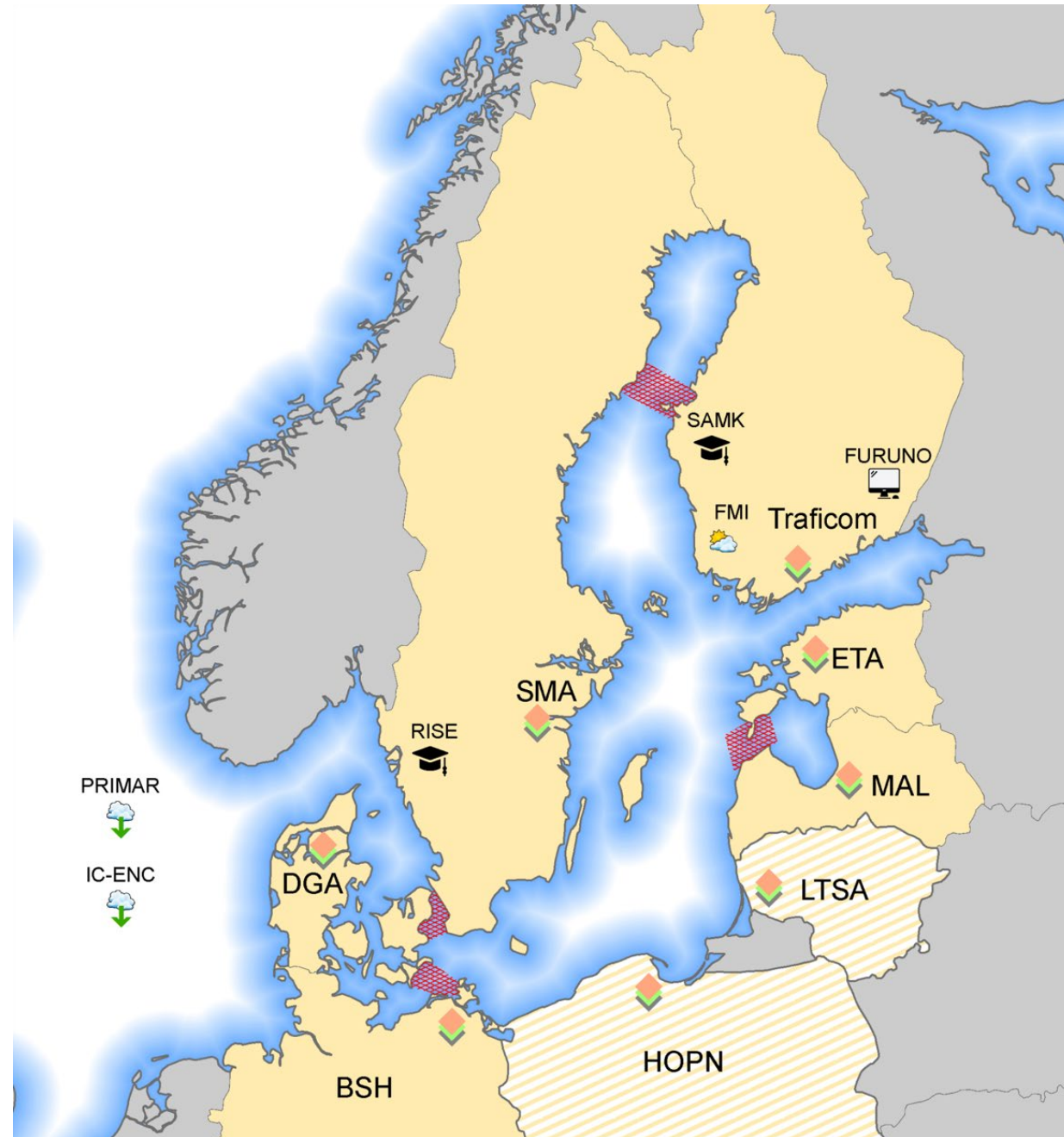


Ongoing in the project

- Kick-off meeting in Stockholm, November 2023. Project meeting in Helsinki April 2024. Next project meeting in Tallinn, December 2024.
- Activities on producing S-101 test data and start to discuss harmonisation rules is ongoing. SMA is activity lead for S-101.
- S-102 activities started. BSH (German HO) is activity lead.
- S-104 and S-111 activities started. FMI is activity lead.
- Upgrade of technical production systems at HOs
- Designing of test for the test beds ongoing. Academia partner RiSE is activity lead.
- Test will be performed at SAMK (FI) Q1 – Q2 2025 in simulator and on board ships
- IC-ENC and PRIMAR will test distribution

Decided test areas

- Congested traffic flow
- S-100 data from two different countries
- Commercially important passages
- Under keel clearance limitations



Project periods and status



Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Nov 2023 – Apr 2024	May 2024 – Oct 2024	Nov 2024 – Apr 2025	May 2025 – Oct 2025	Nov 2025 – Apr 2026	May 2026 – Oct 2026
Approved	Ongoing	Pilot test postponed from period 2 to period 3. Will be intensive!!!			



Communication activities

- Managed by SAMK. Most communication activities planned in period 5, but SMA and SAMK are trying to do some in earlier stages of the project.
- Note published in the IHO International Hydrographic Review (IHR)

<https://ihr.iho.int/articles/shared-waters-same-standards-the-baltic-sea-e-nav-project-a-partnership-for-the-future-of-marine-navigation/>

- Website interreg-baltic.eu/project/baltic-sea-e-nav/





BSHC 29 is invited to:

1. Note the Council report
2. Note that decisions on S-100 harmonisation rules on S-101 and S-102 must be taken at BSHC 30, 2025.
3. Take any action as appropriate

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