

PA Ship Operational Group meeting Presentations

7 October 2026

Mona Elo

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

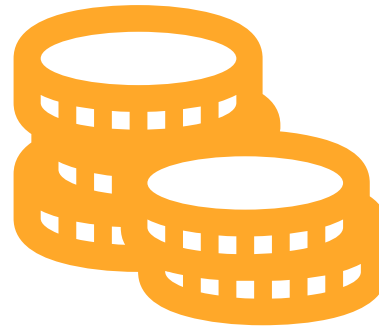


General information

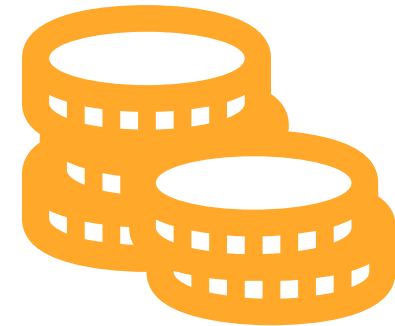
1.11.2023
-
30.10.2026



€ 4.88
MILLION
TOTAL



€ 3.91
MILLION
ERDF

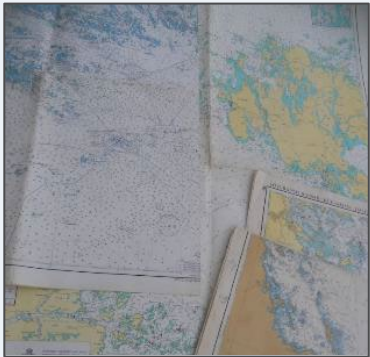


The project “Baltic Sea e-Nav” is co-funded by the European Union (European Regional Development Fund) in the frame of the Interreg Baltic Sea Region Programme.

What we set out to do in this project

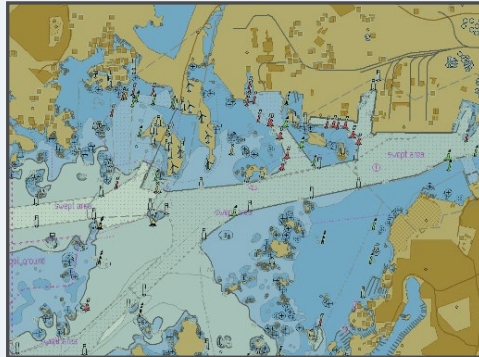
Project goal: Release the first S-100 navigational products in the Baltic

BEFORE – TODAY



Yesterday:
Paper Charts

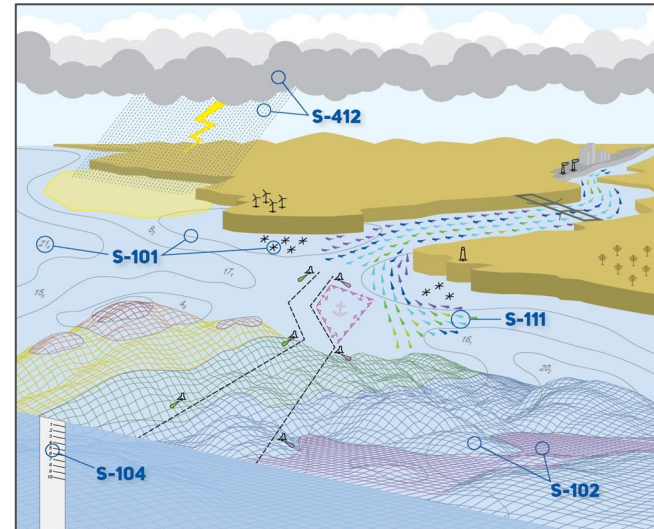
- ENC S-57 based
- Displays static chart data



Now:
ENC S-57 based



TOMORROW [2029 AND ONWARDS]



- Future: S-100 Navigation

2029



S-101

Electronic Navigational Chart



S-102

Bathymetric Surface



S-104

Water Level Information



S-111

Surface Currents

Value of S-100 products in a nutshell



S-101

Electronic Navigational Chart



S-102

Bathymetric Surface



S-104

Water Level Information



S-111

Surface Currents

SAFETY

Allow for larger margins and more options
(i.e. "more water")

EFFICIENCY

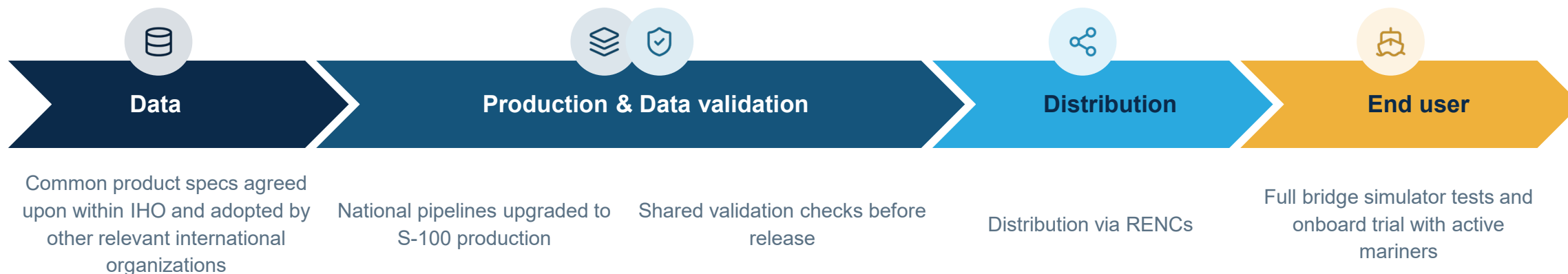
Opens up for more efficient choices
(e.g. shorter routes)

EASE OF USE

Reduce workload because of the integration of
information

From data to actionable insights on the bridge

The S-100 value chain – mirrored in how we structured the project



Bringing together Baltic Sea (EU) Costal States



Bringing together actors of S-100 value chain

- Data Producers: Hydrographic Offices, Meteorological Institutes
- Industry: ECDIS manufacturer
- Data Service Providers: RENCs
- Maritime Academies and Training Institutes

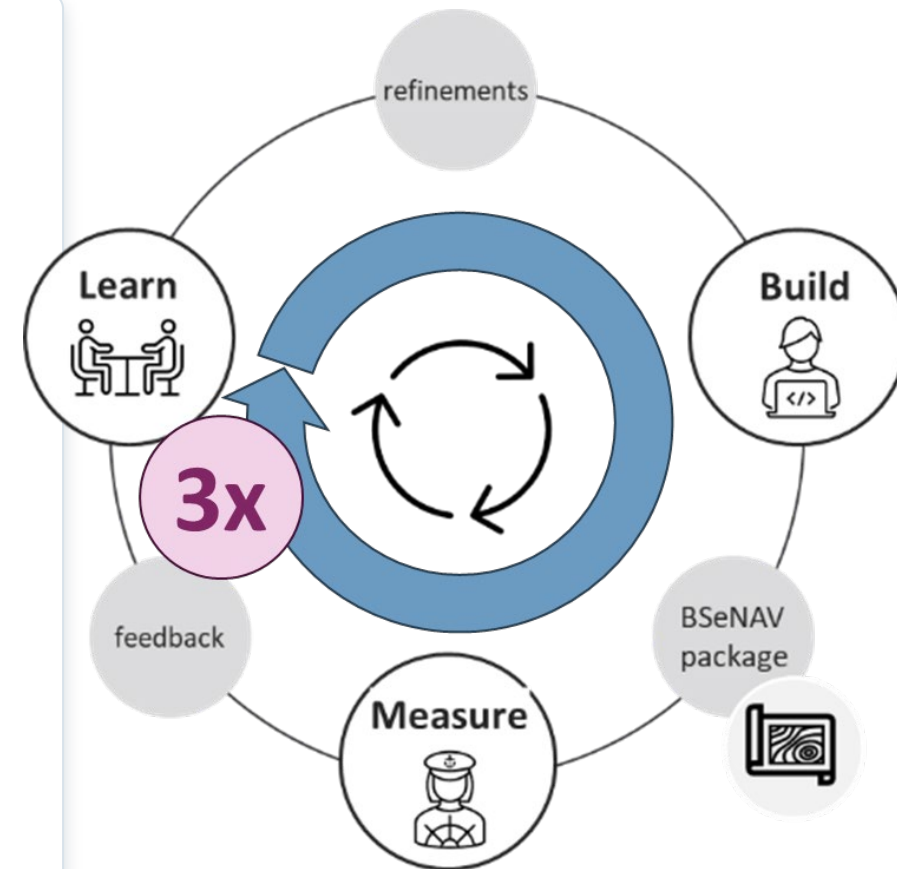
Bringing together a broad range of experts from across the maritime navigation sector

- Maritime Cartographers
- Oceanographers
- Navigation Software and Service Developers
- Maritime Instructors and Trainers

Standards, tools, processes and cooperation had to develop simultaneously

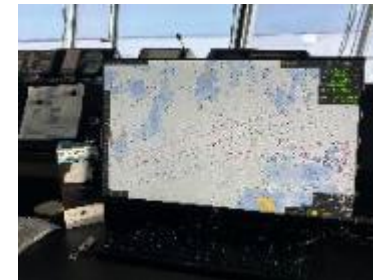
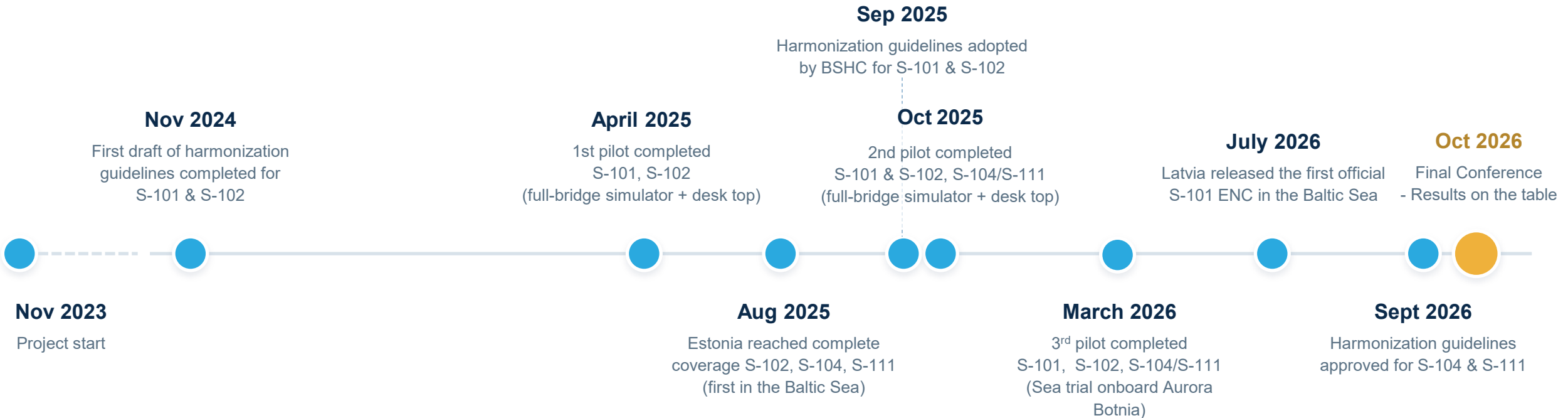
CHALLENGES

- New products such as S-102, S-104 and S-111 required new and initially immature production tools and processes
- Evolving standards and software development caused delays, repeated dataset production and changes to production workflows.
- Existing production lines had to be adapted with limited resources and increasing product complexity
- Ensuring interoperability between S-101 and S-102 and mapping S-101 data to legacy products was complex
- Greater cooperation between hydrographic, oceanographic and meteorological organisations was needed
- New dynamic products introduced new data types and legal questions regarding source-data ownership

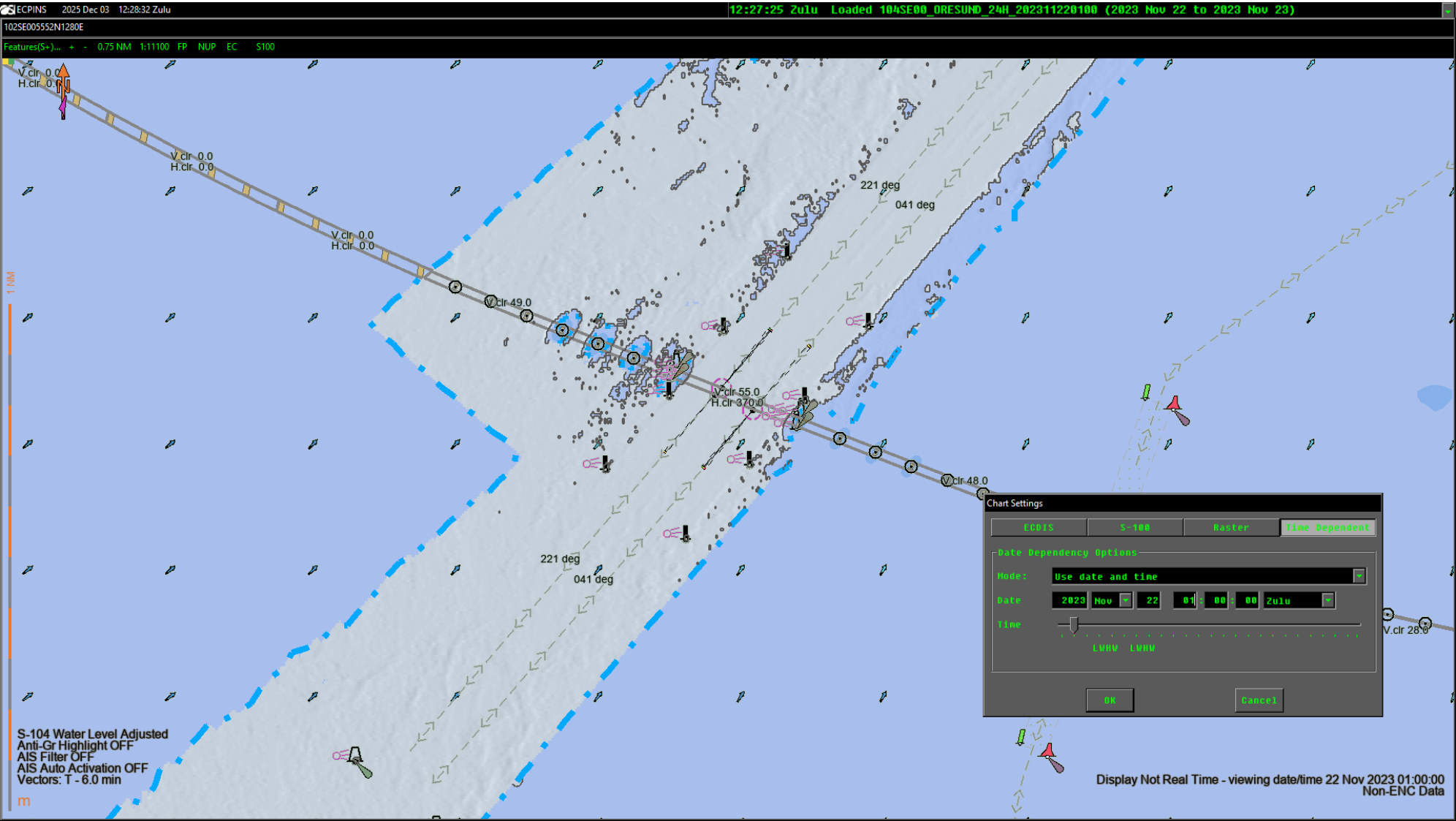


The journey to today

Project milestones



S-101, S-102, S-104 and S-111 in Flintrännan





Thank you!



Questions?