

TRAFICOM

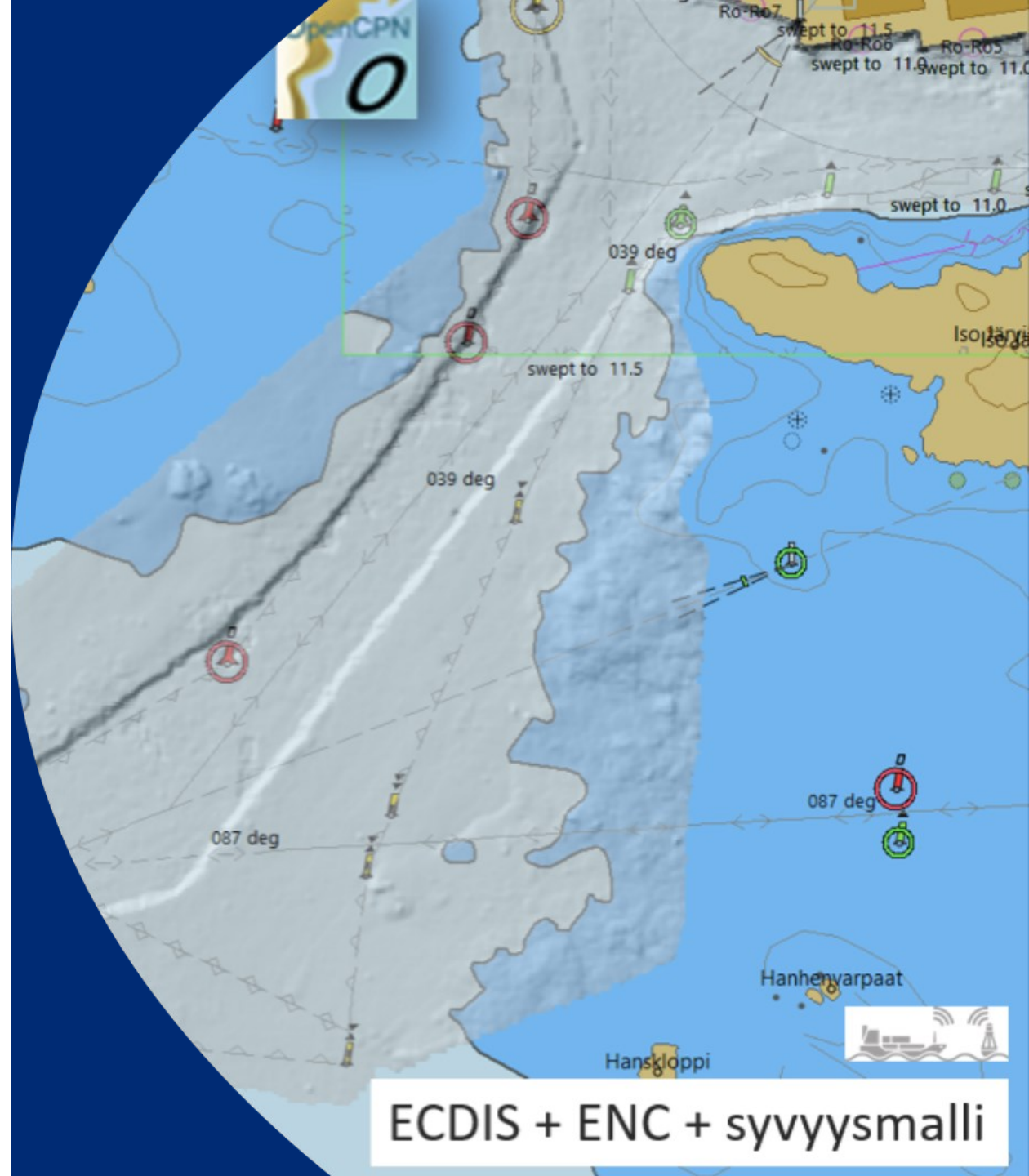
Finnish Transport and Communications Agency



S-100 implementation activities in Finland

Interim report

29th Baltic Sea Hydrographic Conference
17 - 19 September 2024



ECDIS + ENC + syvyysmalli

National coordination of the S-100 implementation

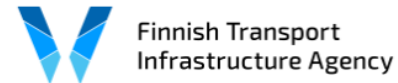
Bilateral workshops

TRAFICOM – FTIA (3 session)

TRAFICOM – FMI (3 sessions)

TRAFICOM – Fintraffic (2 sessions)

S-100 Seminar in November 2023



National coordination of the S-100 implementation in 2023

Lessons learnt

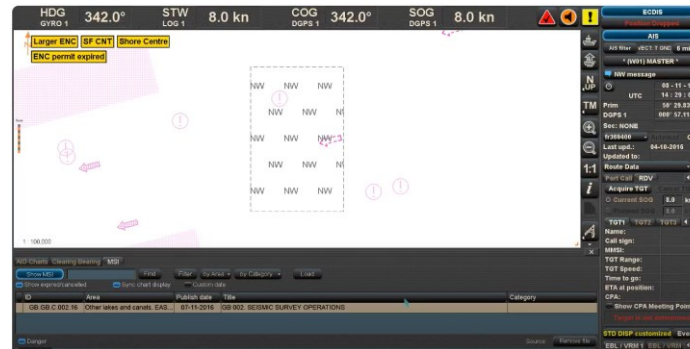
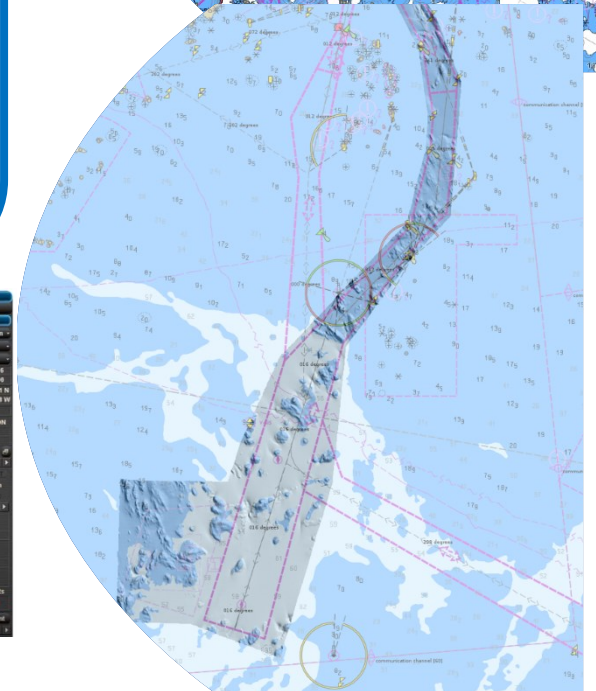
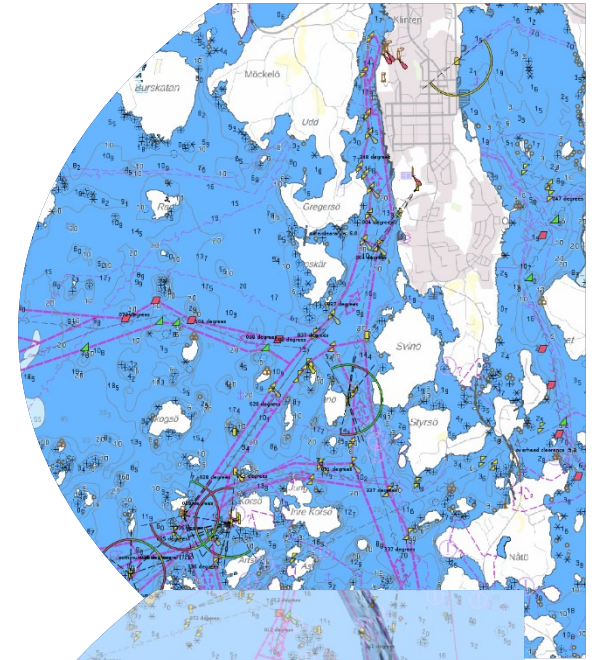
- ▶ All partners have knowledge and understanding of S-100 standards, related IMO resolutions and IHO plans and objectives for S-100 implementation.
- ▶ The role of the stakeholders involved are becoming clear. Traficom and FMI have a major roles as a data producers, Fintraffic as a user and a service provider.

Challenges

- ▶ Implementation of products that require collect data from multiple data sources from various organisations. How to organise the production in order to keep published products up to date ?
- ▶ How to disseminate near real time S-100 datasets to vessels ?

Traficom's plan for S-100 implementation **Phase I**

- ▶ **S-101** Electronic Navigational Chart (ENC) **Production 2025** →
- ▶ **S-102** Bathymetric Surface **Production 2025** →
- ▶ **S-124** Navigational Warnings **Production 2025** →
 - ▶ Fintraffic as a service provider
- ▶ **S-128** Catalogue of Nautical Products **Production 2025** →



Traficom's plan for S-100 implementation (Under Construction)

- ▶ **S-127** Marine Traffic Management
- ▶ **S-121** Maritime Limits and Boundaries

Examples of S-127 FeatureTypes

VesselTrafficServiceArea
ShipReportingServiceArea
Pilotagedistrict
PilotBoardingPlace
PilotService
RestrictedAreaNavigational
RestrictedAreaRegulatory
SignalStationTraffic
SignalStationWarning



FMI's plan for S-100 implementation **Phase I**

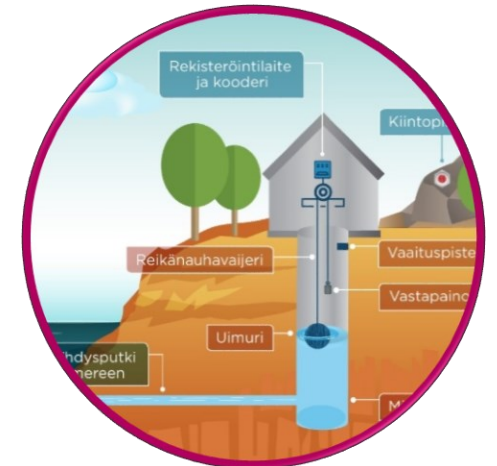
▶ **S-104** Water Level Inf. to Surface Navigation

Production 2025 →

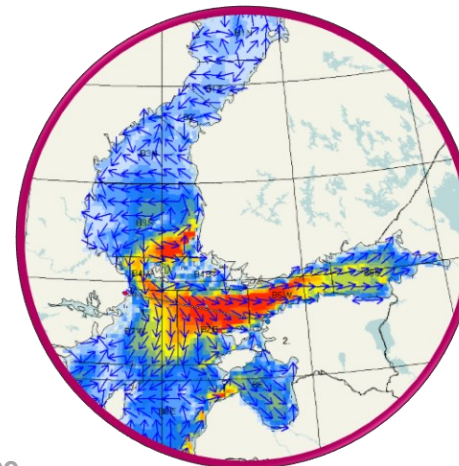
▶ **S-111** Surface Currents

Production 2025 →

S-104
Sea level



S-111
Surface Currents





FMI plan for S-100 implementation (in the near future)

- ▶ **S-411 Ice Information**
- ▶ **S-412 Weather and Wave Hazards**
- ▶ **S-413 Weather and Wave Conditions**
- ▶ **S-414 Weather and Wave Observations**

S-411
Ice Information

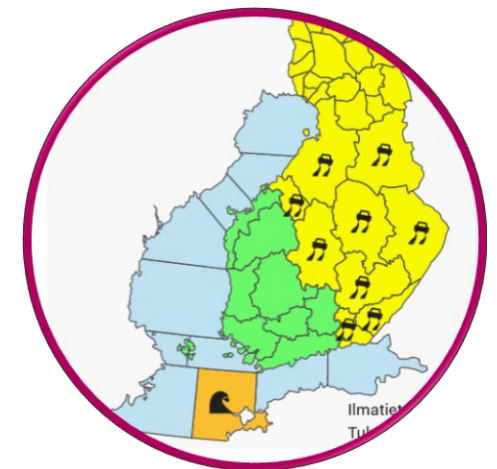


S-413
Weather and
Wave Conditions



S-414
Weather and
Wave Observations

S-412 Weather and Wave
Hazards



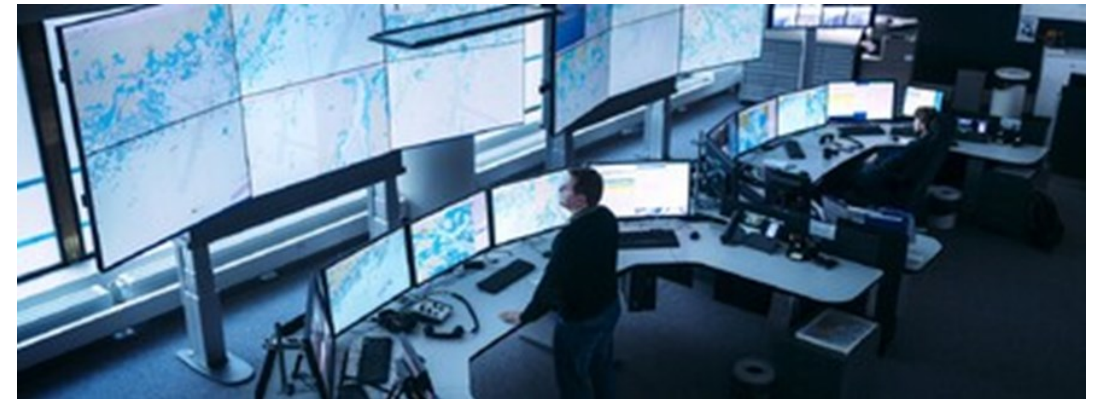


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FTIA's and Fintraffic's plans for S-100 implementation (in the near future)

- ▶ **S-125** Marine AIDS to Navigation
- ▶ **S-201** Aids to Navigation Information
- ▶ **S-210** Inter VTS Exchange Format
- ▶ **S-212** VTS Digital Information Service
- ▶ **S-240** DGNSS Station Almanac
- ▶ **S-421** Route Exchange



Thank You

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