

TRAFICOM

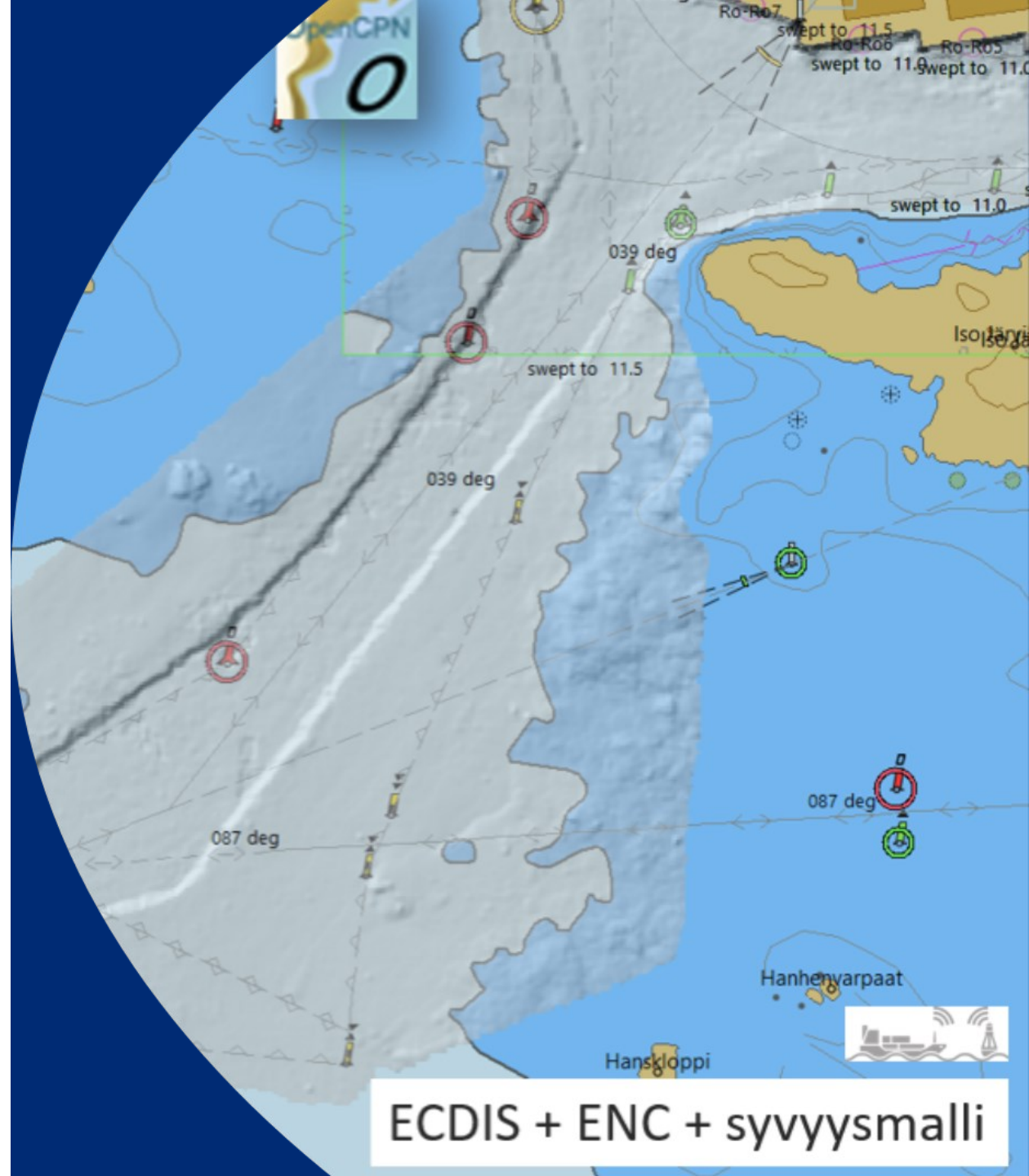
Finnish Transport and Communications Agency



S-100 implementation in Finland

Interim report

67th Nordic Hydrographic Conference
11 - 12 April 2024



National coordination of the S-100 implementation in 2023

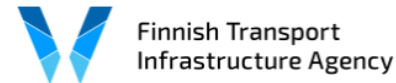
Bilateral workshops

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

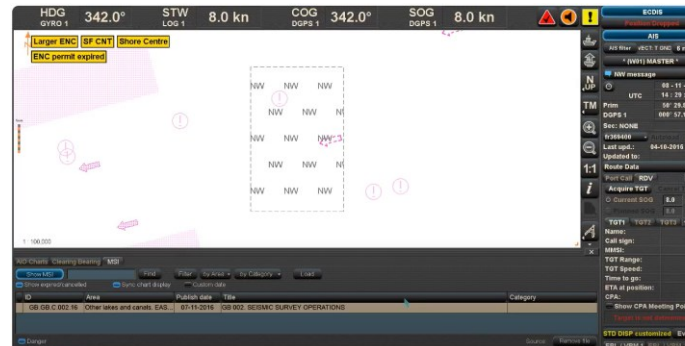
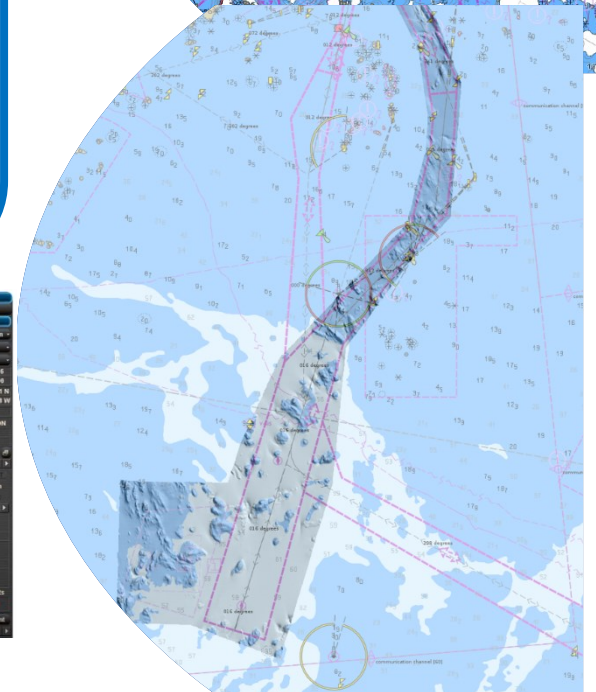
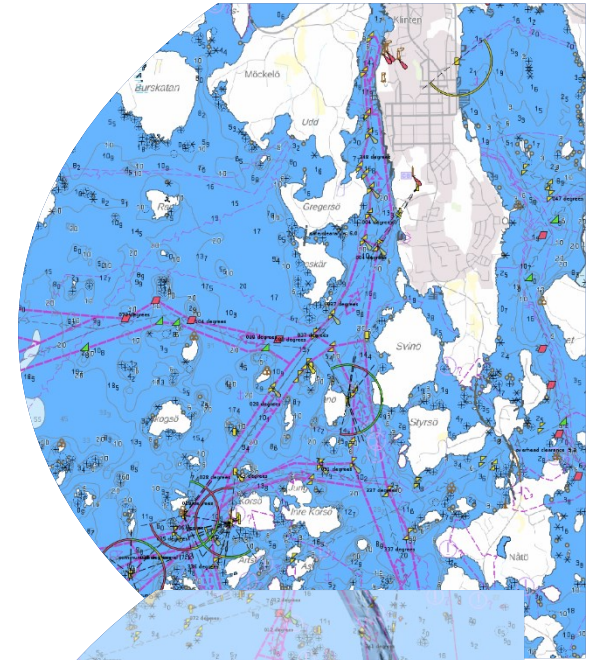
- ▶ All partners have knowledge and understanding of S-100 standards, related IMO resolutions and IHO plans and objectives for S-100 implementation.
- ▶ The role of the stakeholders involved are becoming clear. Traficom and FMI have a major roles as a data producers, Fintraffic as a user and a service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

- ▶ **S-127** Marine Traffic Management
- ▶ **S-212** 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**

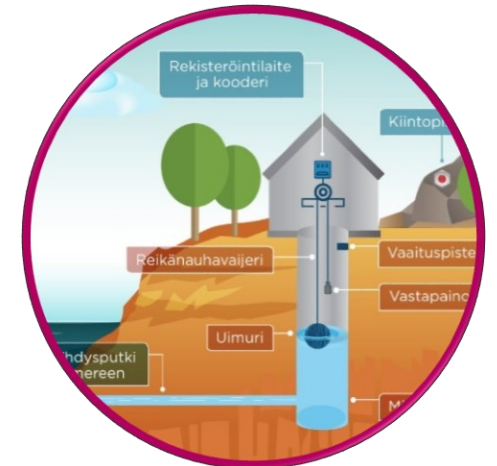
▶ **S-104** Water Level Inf. to Surface Navigation

Production 2025 →

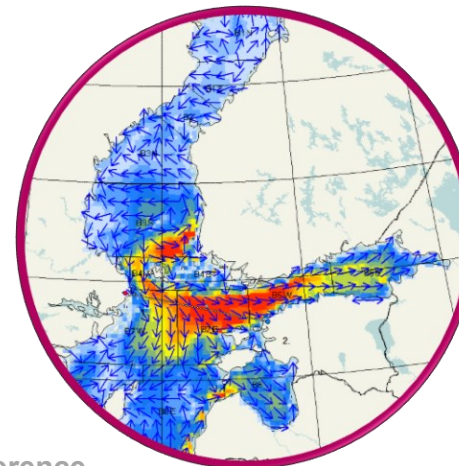
▶ **S-111** Surface Currents

Production 2025 →

S-104
Sea level



S-111
Surface Currents





FMI plan for S-100 implementation **Phase II**

- ▶ **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

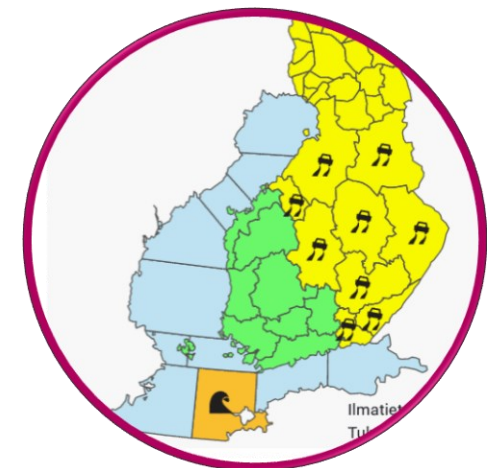


S-413
Weather and
Wave Conditions



S-414
Weather and
Wave Observations

S-412 Weather and Wave
Hazards



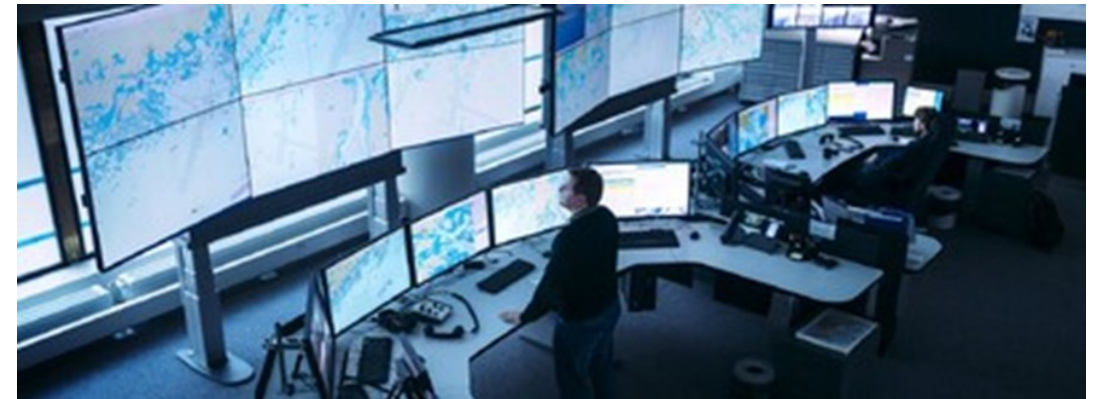


Finnish Transport
Infrastructure Agency



FTIA's and Fintraffic's plans for S-100 implementation **Phase II**

- ▶ **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 Satation Almanac**
- ▶ **S-421 Route Exchange**



Thank You

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