

# S-104 and S-111

Status of implementation from the Norwegian Mapping Authority, Hydrographic Service



# S-104 Water Level Information for Surface Navigation

- Administrative:

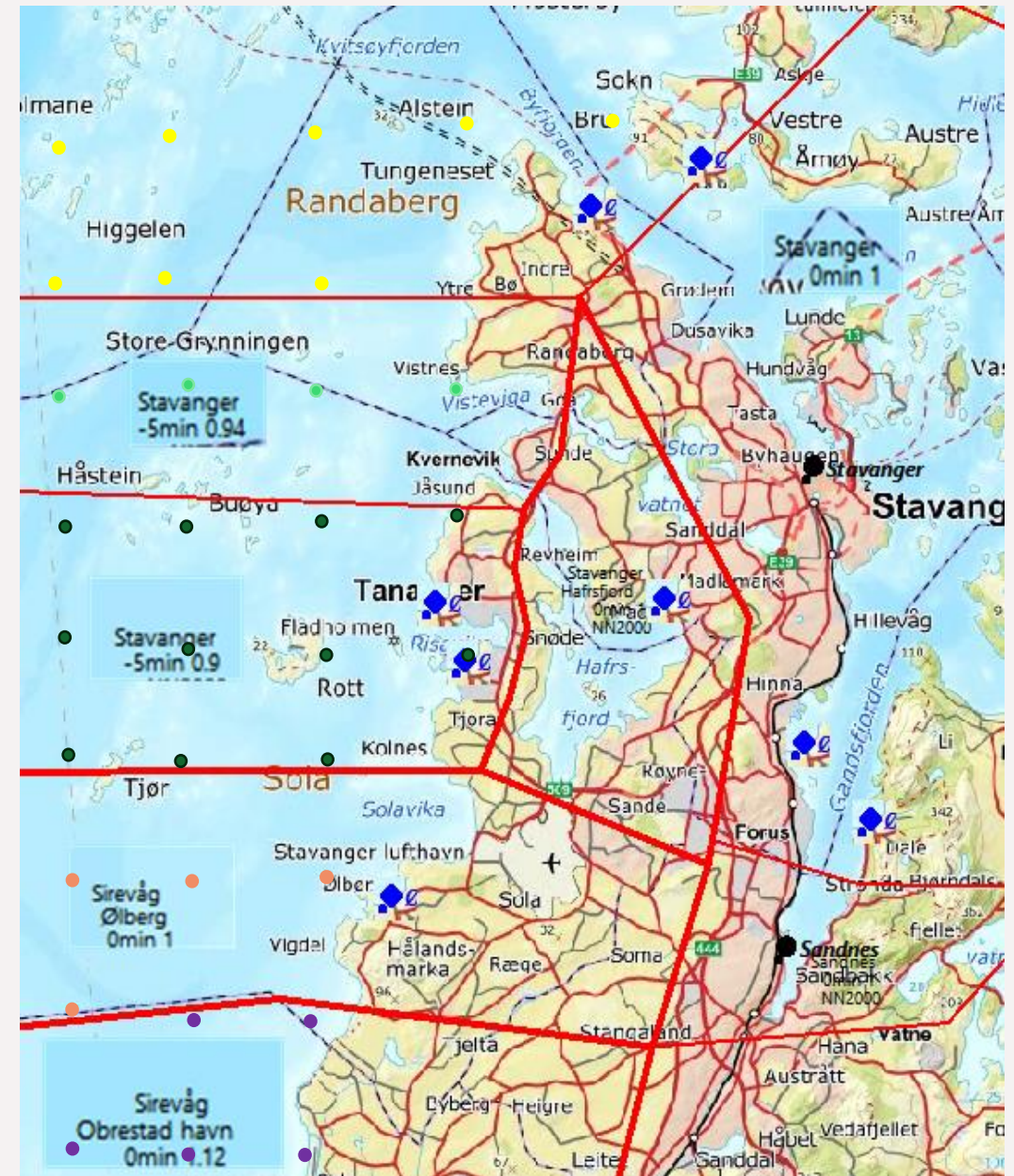
- The Norwegian Hydrographic Service (NHS) will be responsible for both data and product

- Ambitions:

- Distribute the existing gridded datasets for water level forecasts and tidal predictions as S-104
  - Use contractors for technical implementation
  - Production of test datasets within Q2 2025
  - Be ready for operational production within Q4 2025
  - The improvement of the datasets will continue independent of this S-100 implementation

# S-104

- Use the currently best available national data
- Tidal predictions and water level forecast will be gridded based on the existing model with zones



# S-111 Surface Currents

- Administrative

- The Norwegian met office will produce the actual datasets based on requirements given by the Norwegian Hydrographic service (NHS)

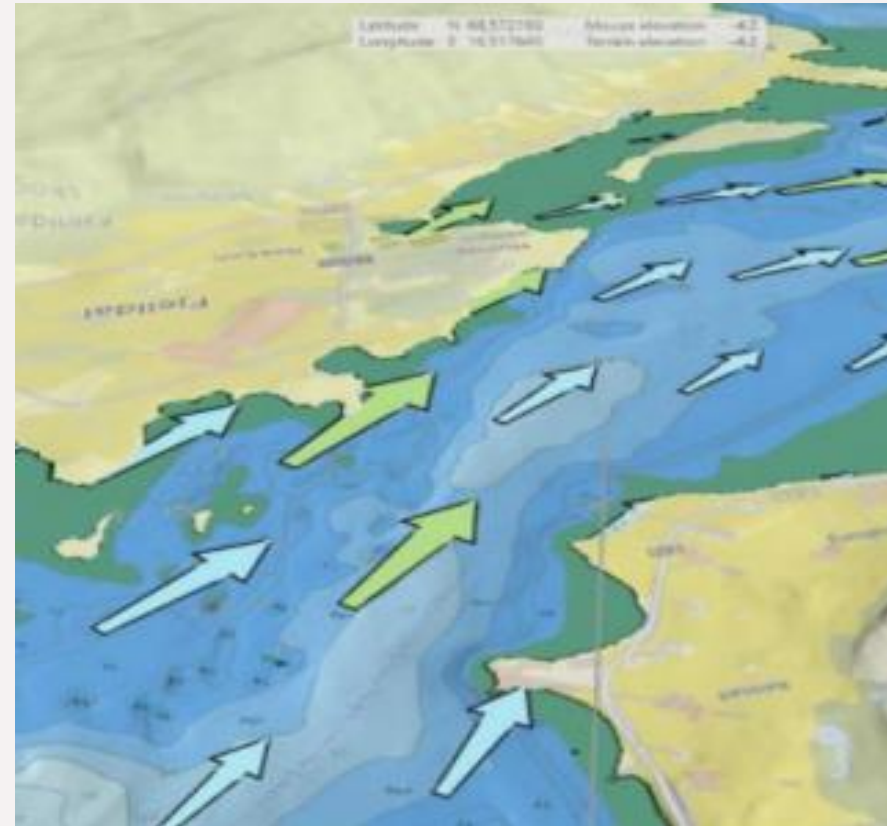
- Ambitions

- Distribute the existing data from the operational surface current models run by the Norwegian met office as S-111
  - Use contractors for technical implementation
  - Some test dataset are produced in Q1 2025
  - Be ready for operational production within Q4 2025
  - Based on test datasets and user needs, the existing operational models will be evaluated



# S-111

- Use the currently best available national data
- Currents are based on the operational ocean models operated by the Norwegian Met. Office



# Our mission

*Norway is committed to providing navigation services in accordance with internationally adopted standards. The Norwegian Mapping Authority (Kartverket) shall follow the IHO's implementation plan for the S-100 standard and deliver navigation services that support new navigation systems.*

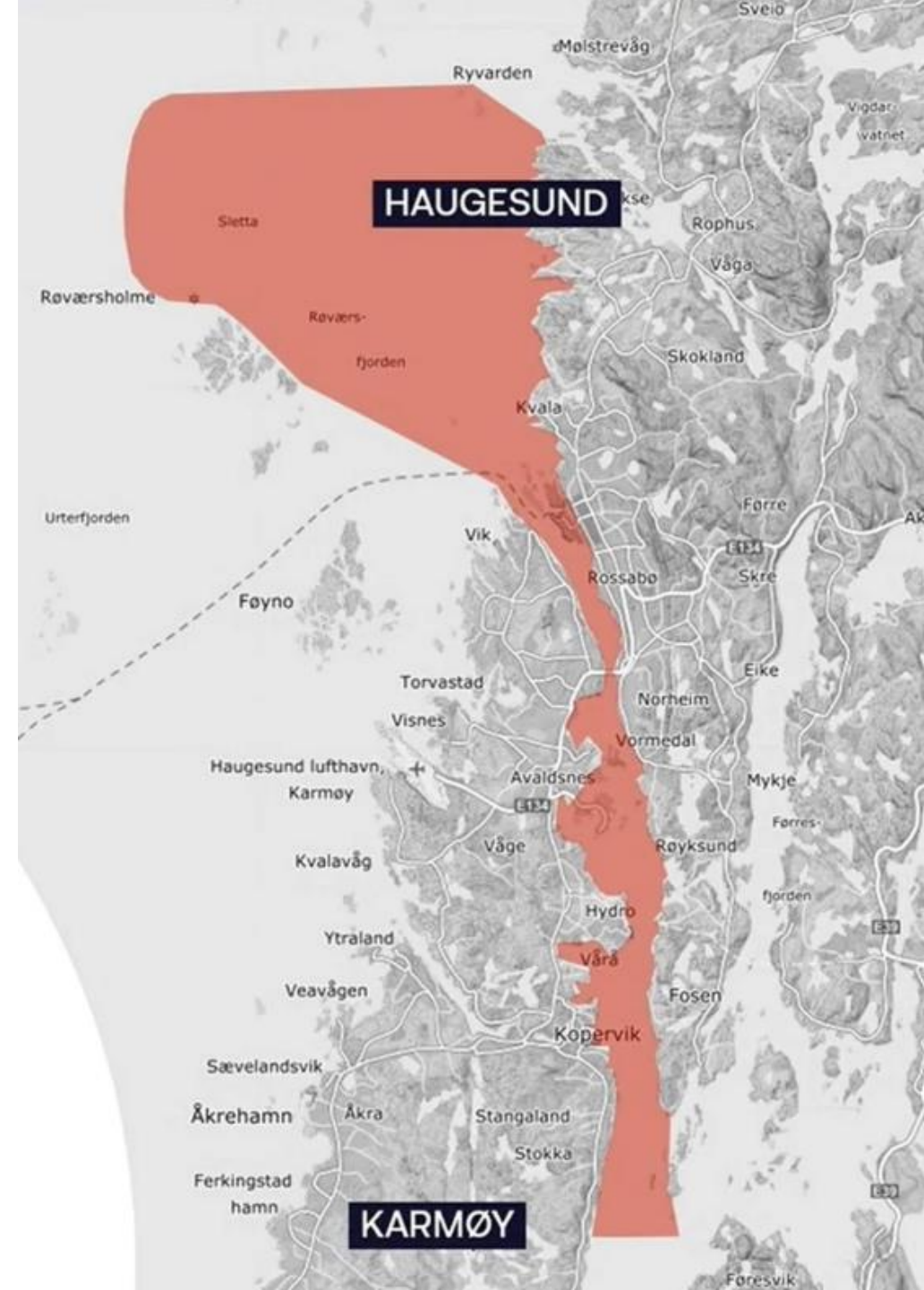
**Results requirements** (to be reported in the quarterly reports):

- *Within 2025, the Norwegian Mapping Authority will launch the new services for S-104 and S-111.*
- *Acquire a nautical production system that supports production of S-101.*

# S-100 testbed

- Start with
  - S-101
  - S-102
  - S-104
  - S-111
  - S-128
  - S-131

Internationally available following the guidelines from IHO







Kartverket