



Kartverket

National Report Norway

Director Evert Flier

The Norwegian Hydrographic Service

NHC 57th Meeting in Arkö 15–17 April 2013



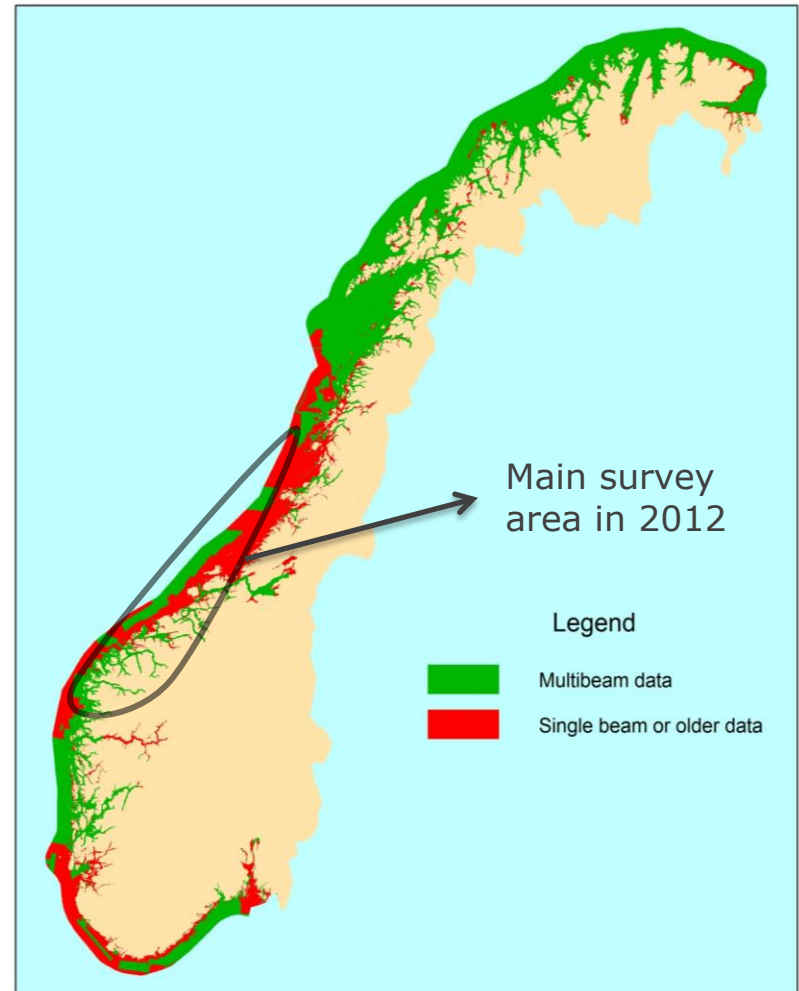
Hydrographic Office



- Changes in the management team
- Centralized IT functions
- Long term contract with the Coastal Administration
- Total budget for 2013: NOK 254 m.

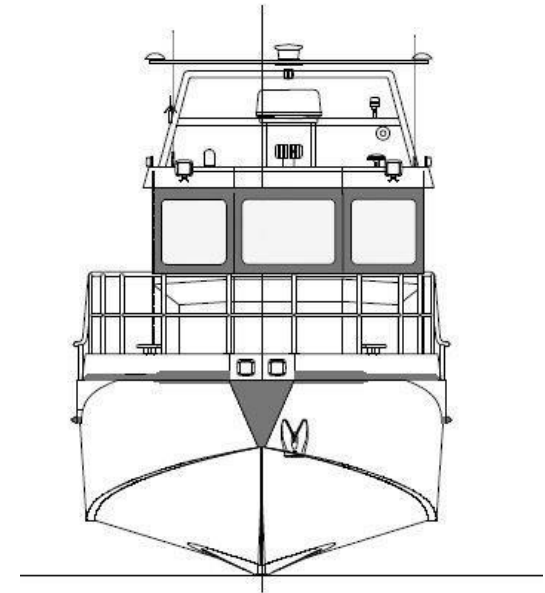
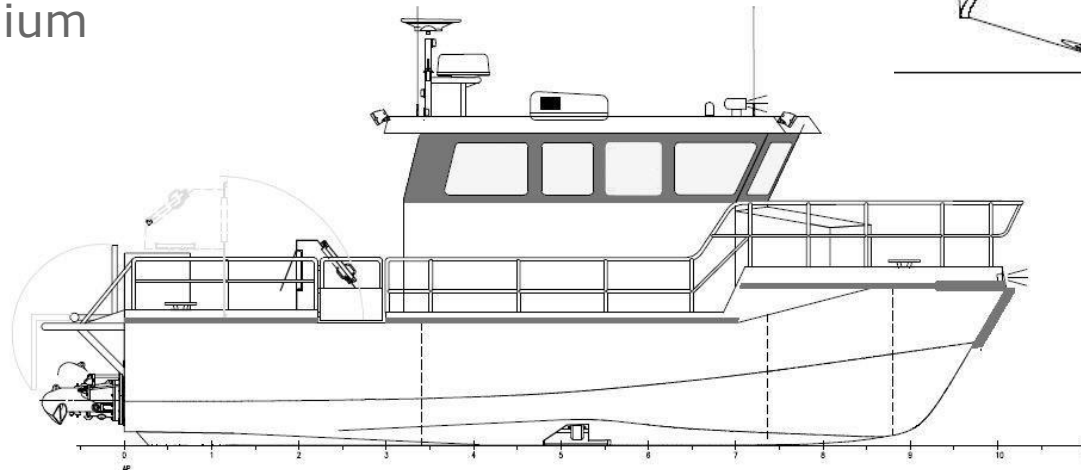
Status Surveying

- No surveying at Svalbard in 2012
- 4000 km² surveyed in outer territorial waters
- Several fjords surveyed during bad weather periods
- Chart 28 completely resurveyed



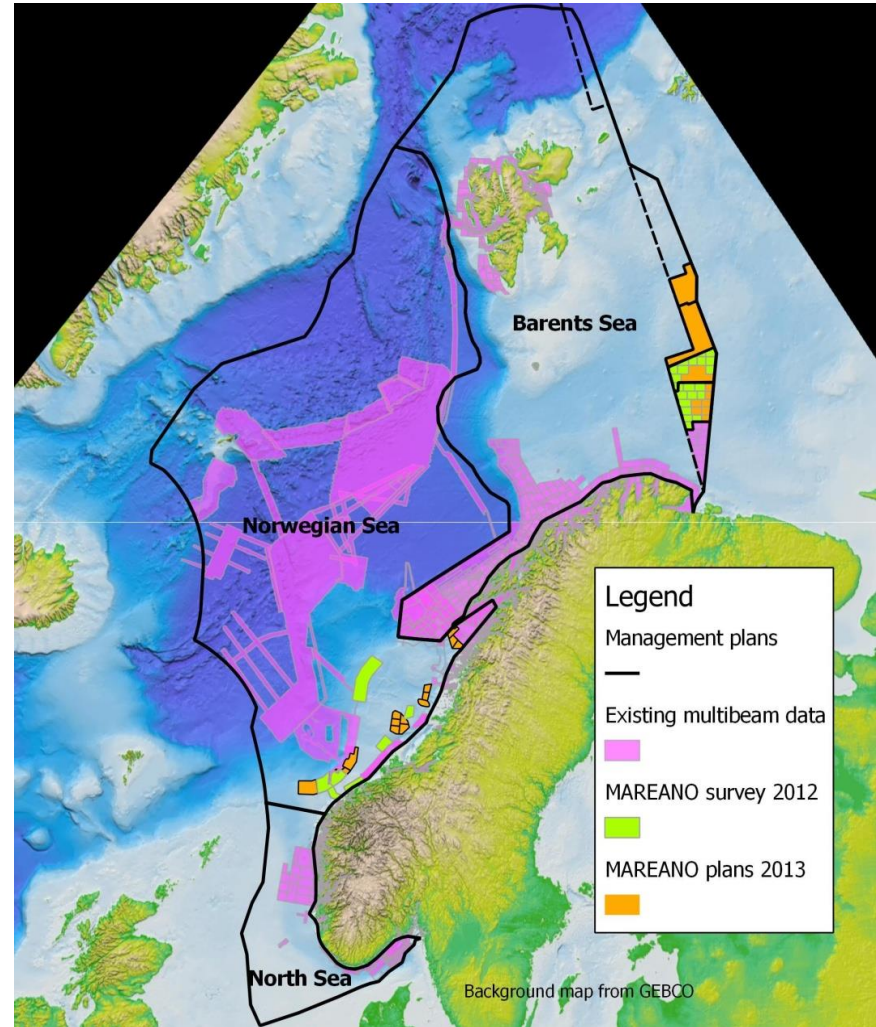
Three New Survey Launches

- LOA: 11,15 m
BOA: 3,5 m
Draught 0,8 m
- Engines: 2 x 350 HP (Iveco)
- Waterjet x 2 (Ultrajet)
- Transit speed: 25 knots
- Building material:
Aluminium



MAREANO

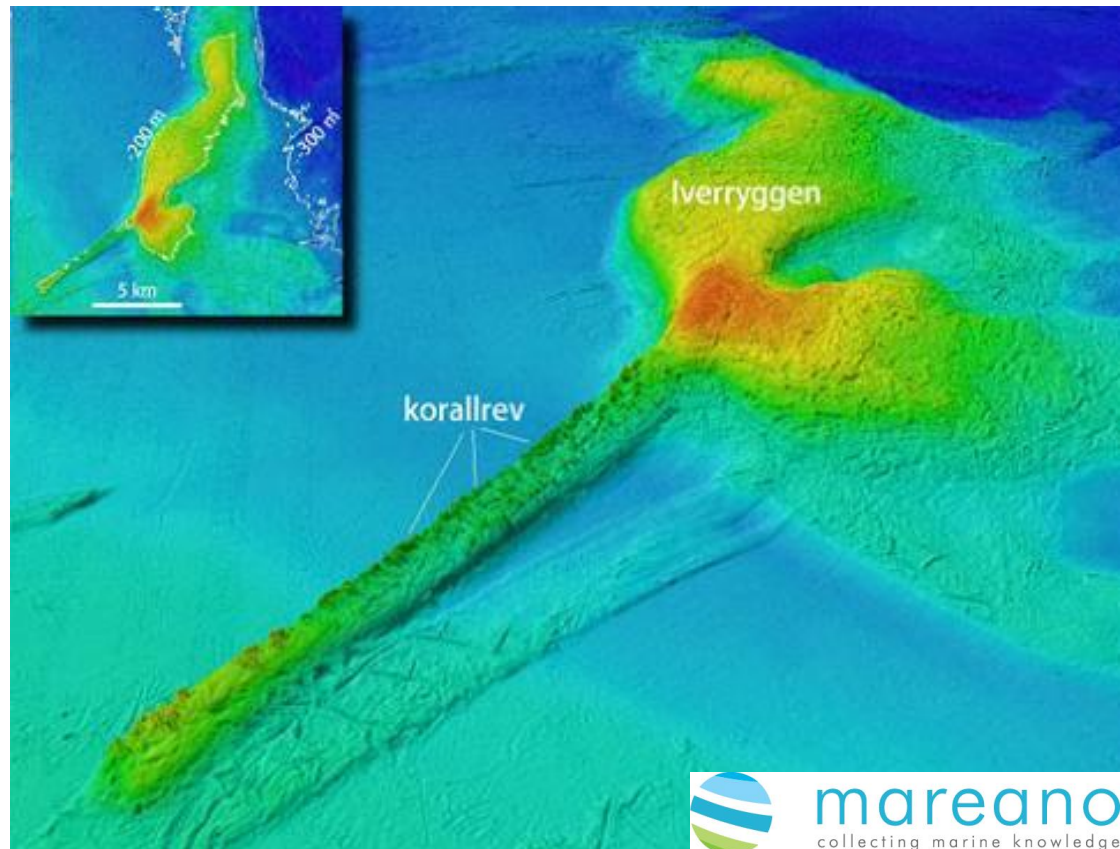
- Surveying in the former disputed areas with Russia continues
- Totally 31 000 km² surveyed in 2012, 21 100 km² by Fugro OSAE, the rest by internal resources
- Some areas covered by Olex data included in the project



mareano
collecting marine knowledge

The Norwegian Sea

- A ridge at 200–300 meter depth, created by iceberg movements
- The 6 km long ridge to SW includes several coral reefs



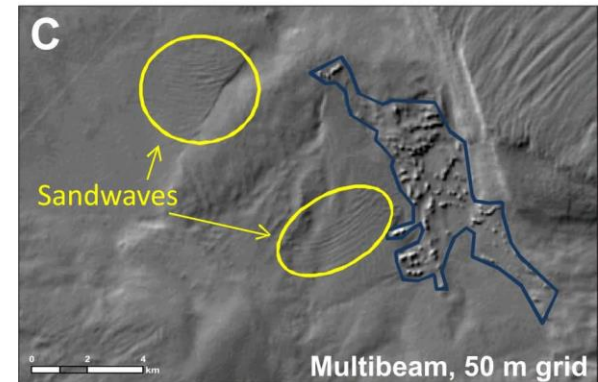
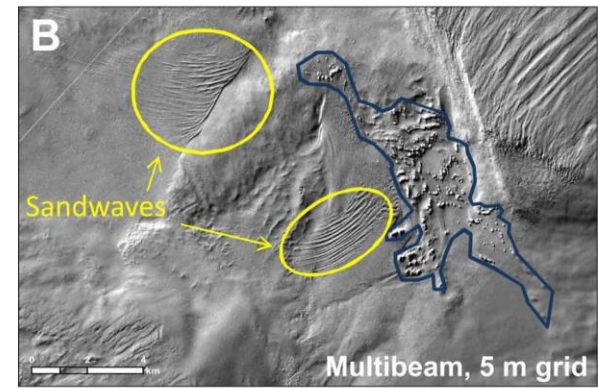
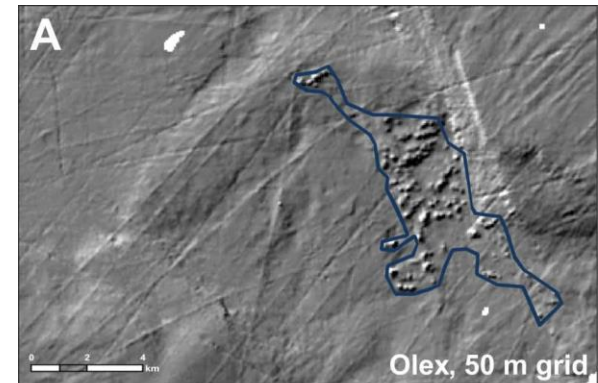
Olex data in Norwegian waters

- The Olex data coverage in Norwegian waters
- Mainly collected by fishing vessels (single beam)
- Digital terrain models with 50m x 50m grid prepared in the MAREANO programme



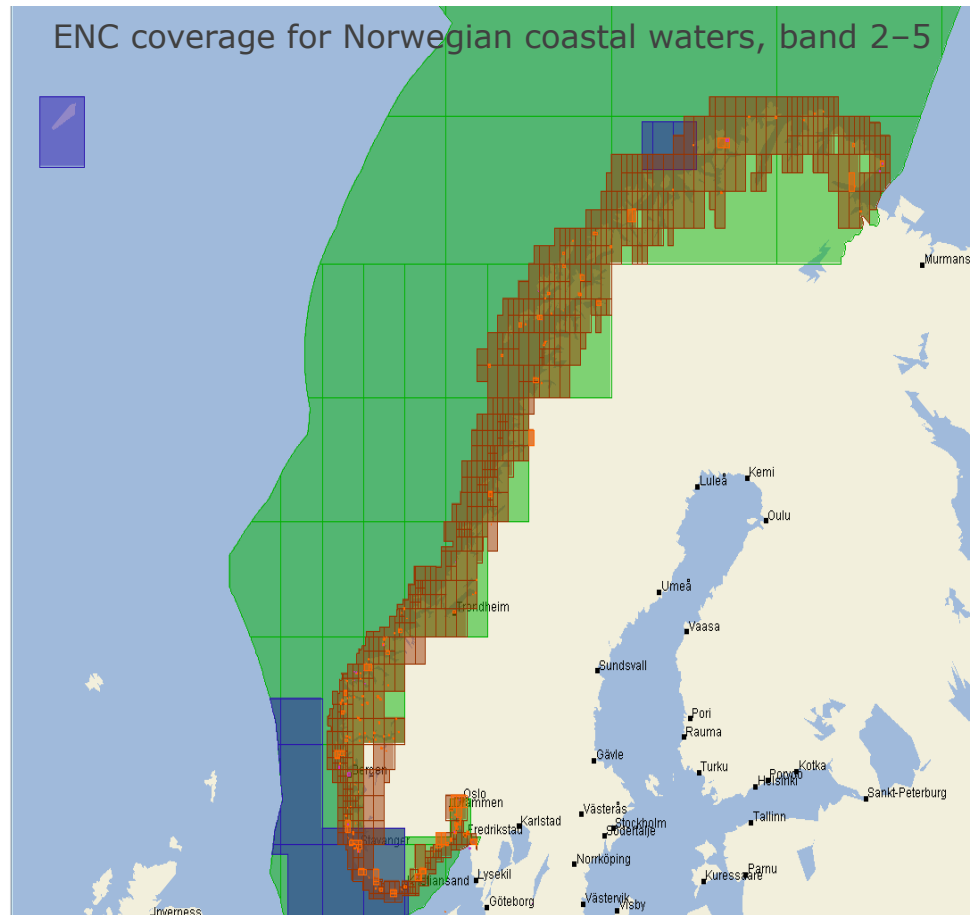
Olex data vs. Multibeam

- Shaded relief images of the Hola coral reef area (Northern Norway)
- Olex data: Loss of prominent sediment features (sand waves)
- Coral reefs (inside the blue line) much better represented in the multibeam data, 5 meter grid
- Report (in English) on comparison of Olex and multibeam data available at ngu.no:
http://www.ngu.no/upload/Publikasjoner/Rapporter/2012/2012_030.pdf



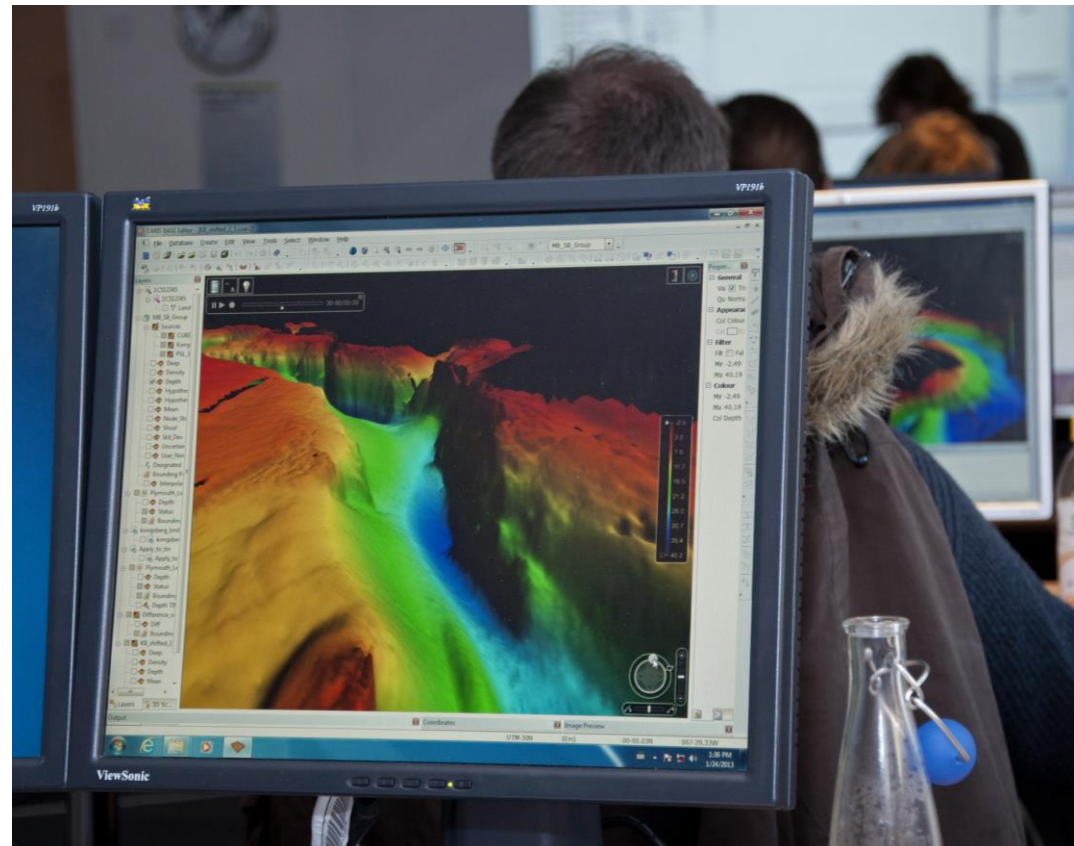
Charting

- Totally 1059 ENC (December 2012)
- The first chart of the new Coastal Chart series produced in 2012, scale 1:350 000
- 22 new charts/new editions published
- 192 charts available as Print on Demand



Technology Development

- The Føniks project (replace NMBD)
- The PLECO project
- Future Pilots



Barents Watch

- Monitoring and information system
- Cooperation
- The Norwegian Hydrographic Service's commitment



www.barentswatch.no



Thank you for your attention

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