HAVFORSKNINGSINSTITUTTET
INSTITUTE OF MARINE RESEARCH

Perspectives on Arctic Research Activities

-

the Norwegian view

The Third Meeting of Scientific Experts on Fish Stocks in the Central Arctic Ocean,
Seattle, April 14 – 16, 2015

Knut Sunnanå

HAVFORSKNINGSINSTITUTTET
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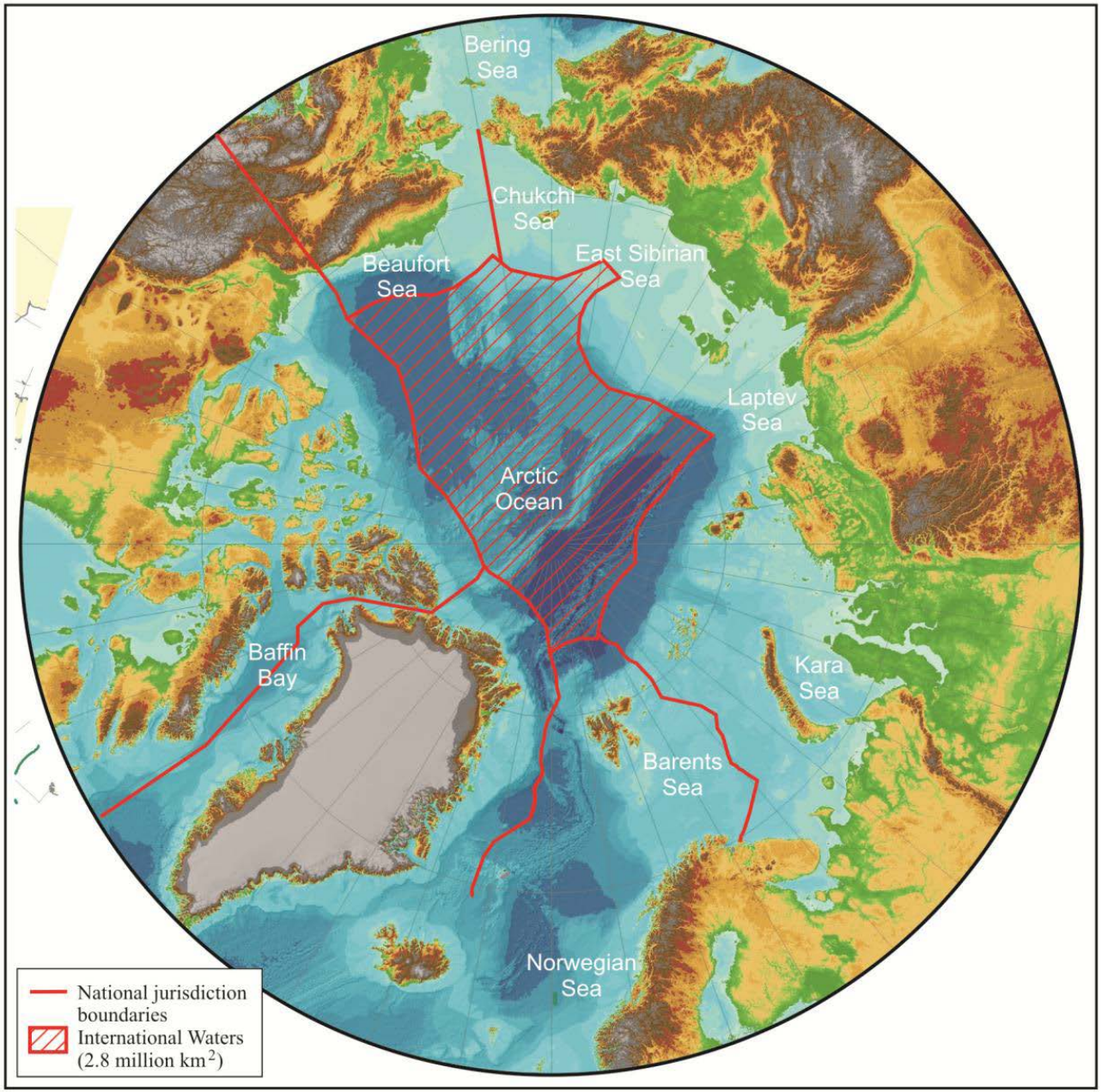
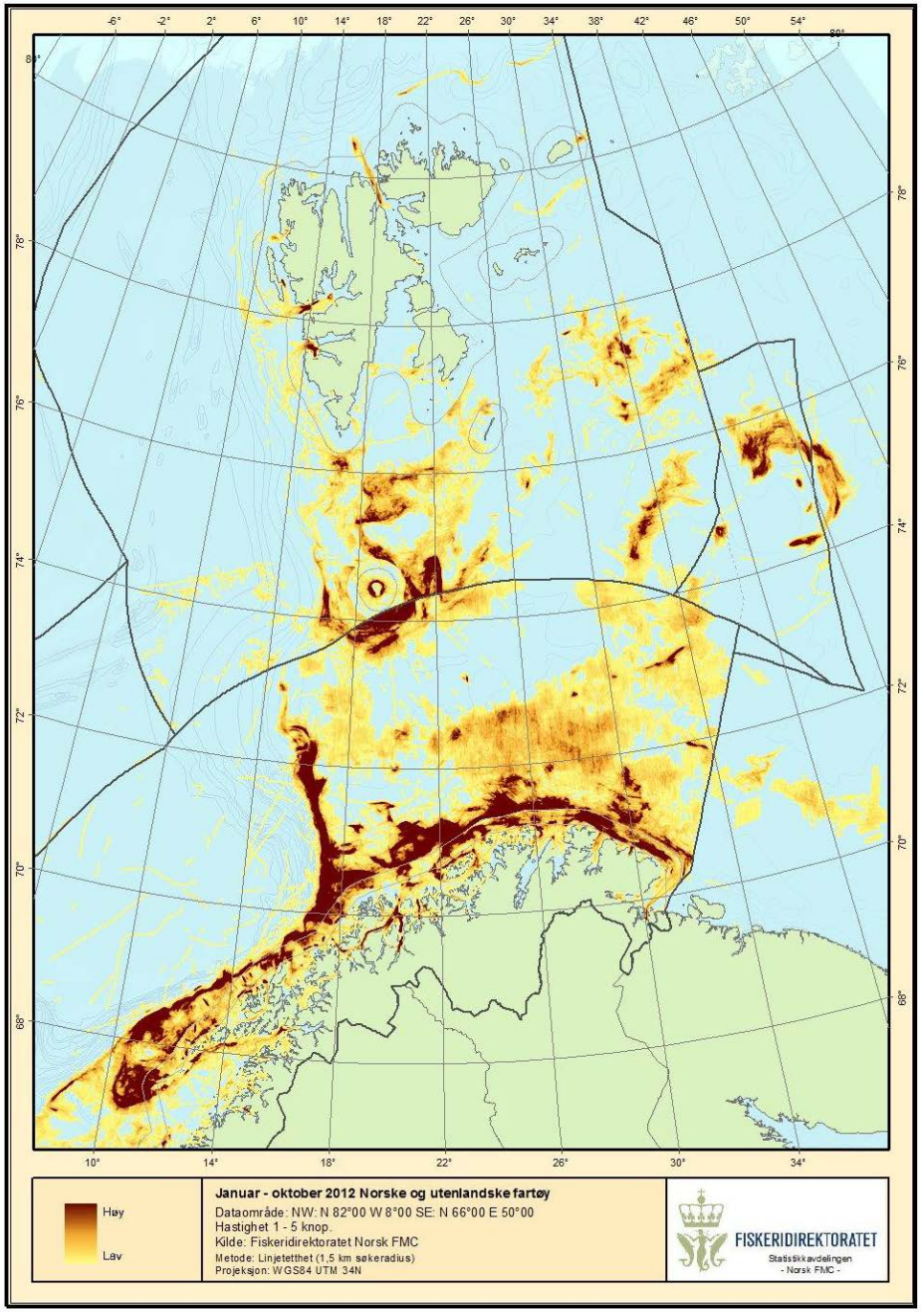
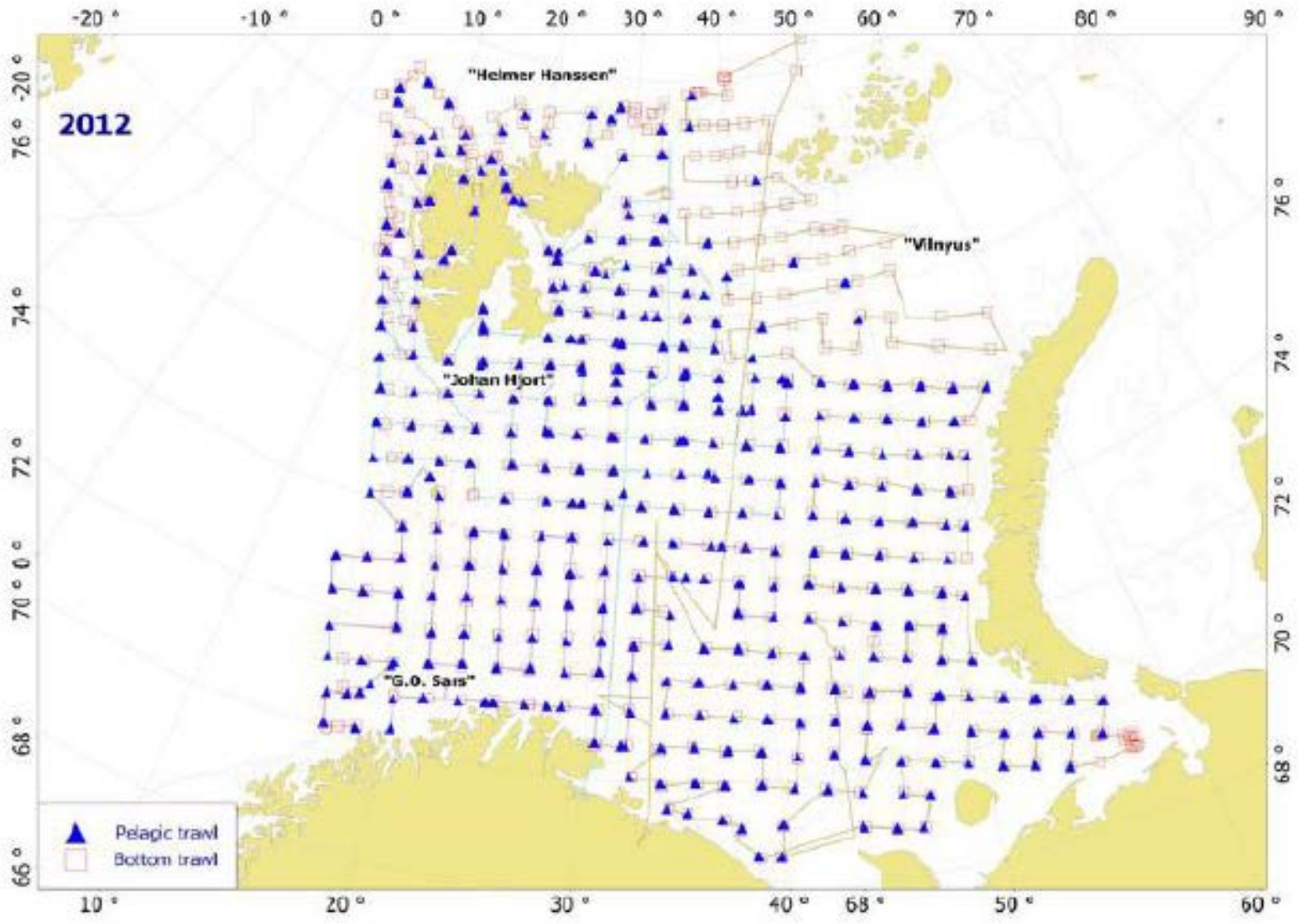

Bering Sea
Chukchi Sea
East Siberian Sea
Beaufort Sea
Laptev Sea
Arctic Ocean
Baffin Bay
Kara Sea
Barents Sea
Norwegian Sea
National jurisdiction boundaries
International Waters (2.8 million km^2)

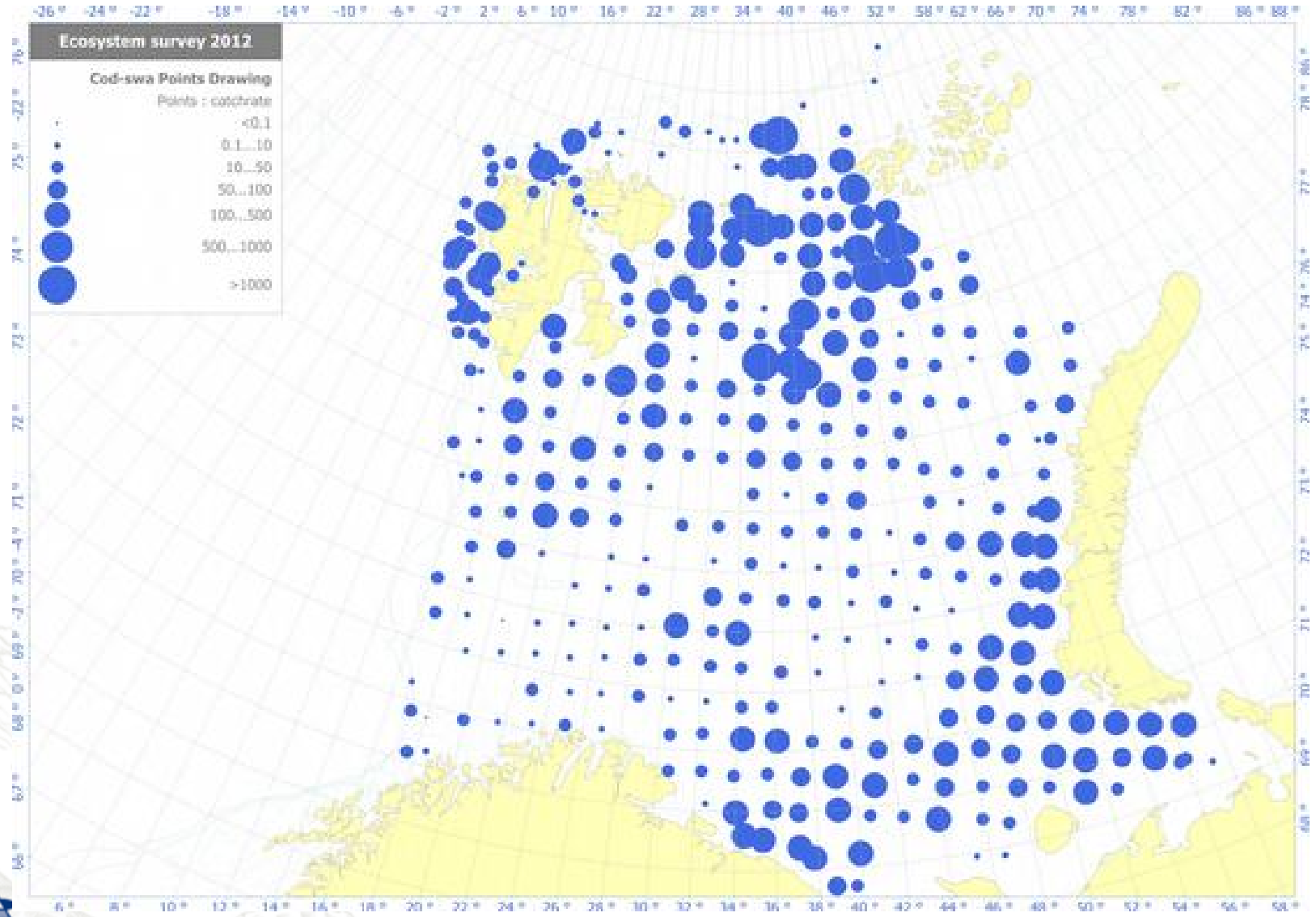
Fishing activity in 2012 by Norwegian and foreign vessels reporting to Norwegian authorities.



Joint Norwegian Russian ecosystem survey in autumn



Distribution of cod autumn 2012

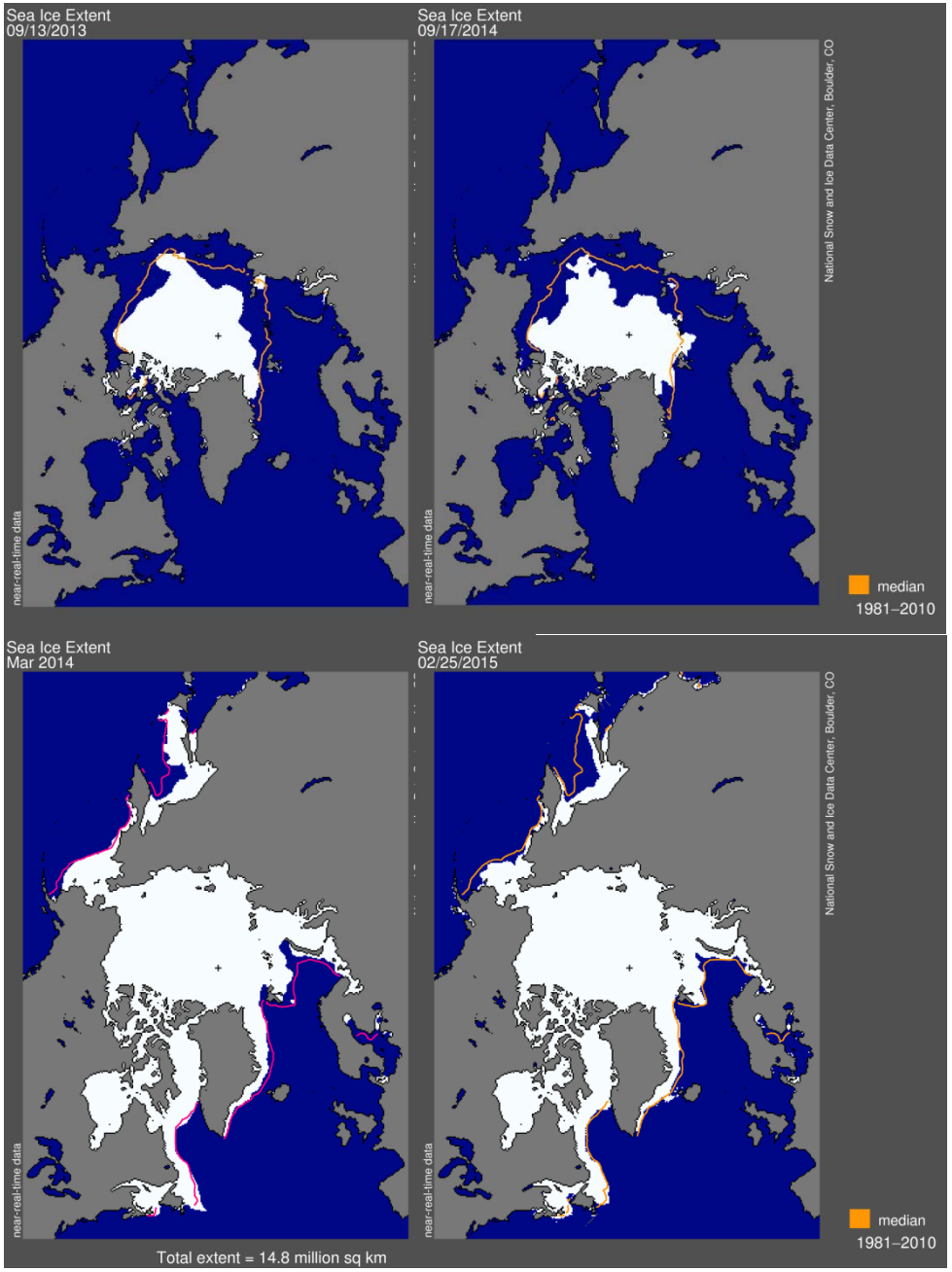


Ice condition may change even under low ice coverage.

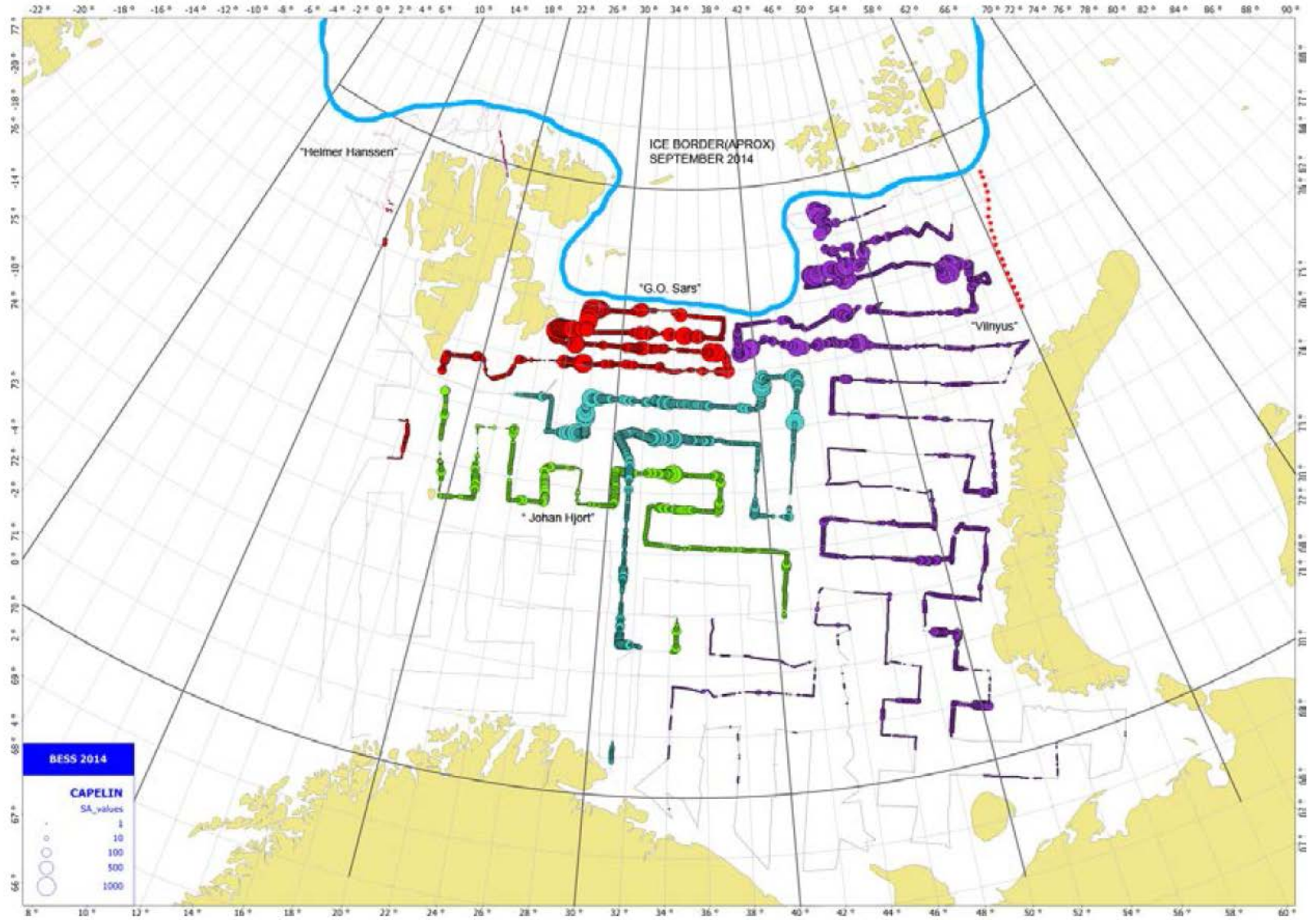
Minimum ice coverage in September 2013 and 2014

Maximum ice coverage in March 2014 and 2015

Influence survey activity in the northern regions.



Distribution of capelin in autumn 2014



Norwegian research vessels

Norwegian research institutions

- Norwegian Polar Institute (NP – npolar.no)
    - N-ICE 2015, ICE, MOSJ
- University Studies at Svalbard (UNIS.no)
    - Cleopatra II, MicroFun, SpitsEco, BBB
- University in Tromsø (UiT.no)
    - CircA, Marine Night
- Institute of Marine Research (IMR.no)
    - SI_ARCTIC, TIBIA, NMDC
- University of Bergen (UiB.no) / University of Oslo (UiO.no)
  – Fram 14/15
- Akvaplan-niva
- Norwegian Institute for Nature Research (NINA.no)
  – FISHDIV

Research and monitoring clusters

- FRAM - High North Research Centre for Climate and the Environment (framsenteret.no)
  - Akvaplan-niva, CICERO, IMR, NGU, NINA, NORUT, NMI, NP, NIVA, SINTEF, Univerities, UNIS ++
  - Sea ice in the Arctic Ocean, technology and agreements
  - Effects of climate change on sea and coastal ecology in the north
  - Ocean acidification and ecosystems effects in Northern waters
  - Environmental impact of industrial development in the north
- ARCTOS – Arctic Marine Ecosystem Research Network (arctosresearch.net)
  - Mare incognitum
- Norwegian management plan (government.no/kld)
  - Indicators and monitoring system – the monitoring group
  - Miljostatus.no
  - Ocean 3 – project
- The Ny-Ålesund centre for international arctic scientific research and environmental monitoring (KingsBay.no)
  - Svalbard science forum (rcn.no/SSF) / RiS data base (researchinsvalbard.no)

Thank you for your attention!