

# **Review of existing glider facilities and technology *Norway - Bergen***

**EGO/GROOM/JERICO Glider Workshop  
Mallorca 2012**

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[www.gfi.uib.no](http://www.gfi.uib.no)  
[www.bjerknes.uib.no](http://www.bjerknes.uib.no)



# NACO

## Norwegian Atlantic Current Observatory

Norwegian infrastructure project  
*2010-2015*  
*18 mNOK*



# Gliders: existing platforms and sensors

6 SeaGliders from iRobot

Ogive fairings

CPCTD + Aanderaa O2

3 Slocum Gliders

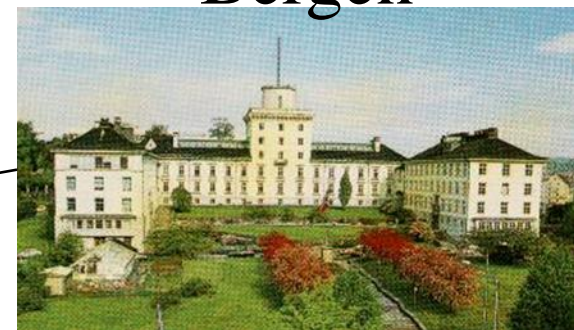
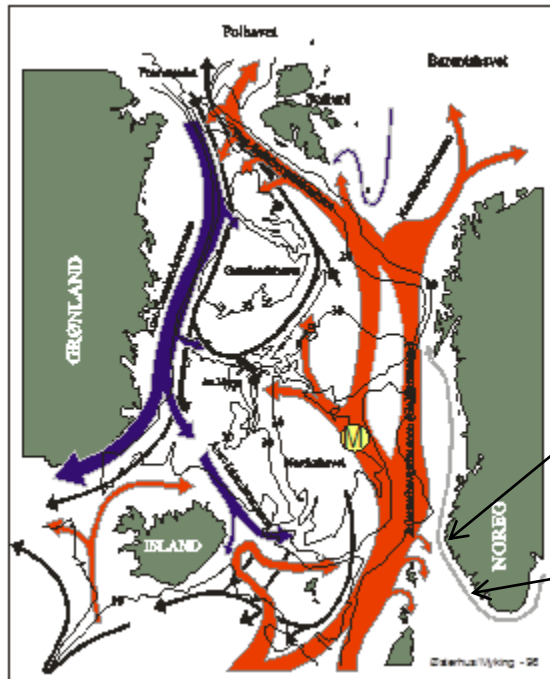


# Workshops: ballasting, repairing, pressure testing

Under construction

# Ground segments: computer infrastructures (glider communications, data processing,...)

Under construction



# Calibration facilities

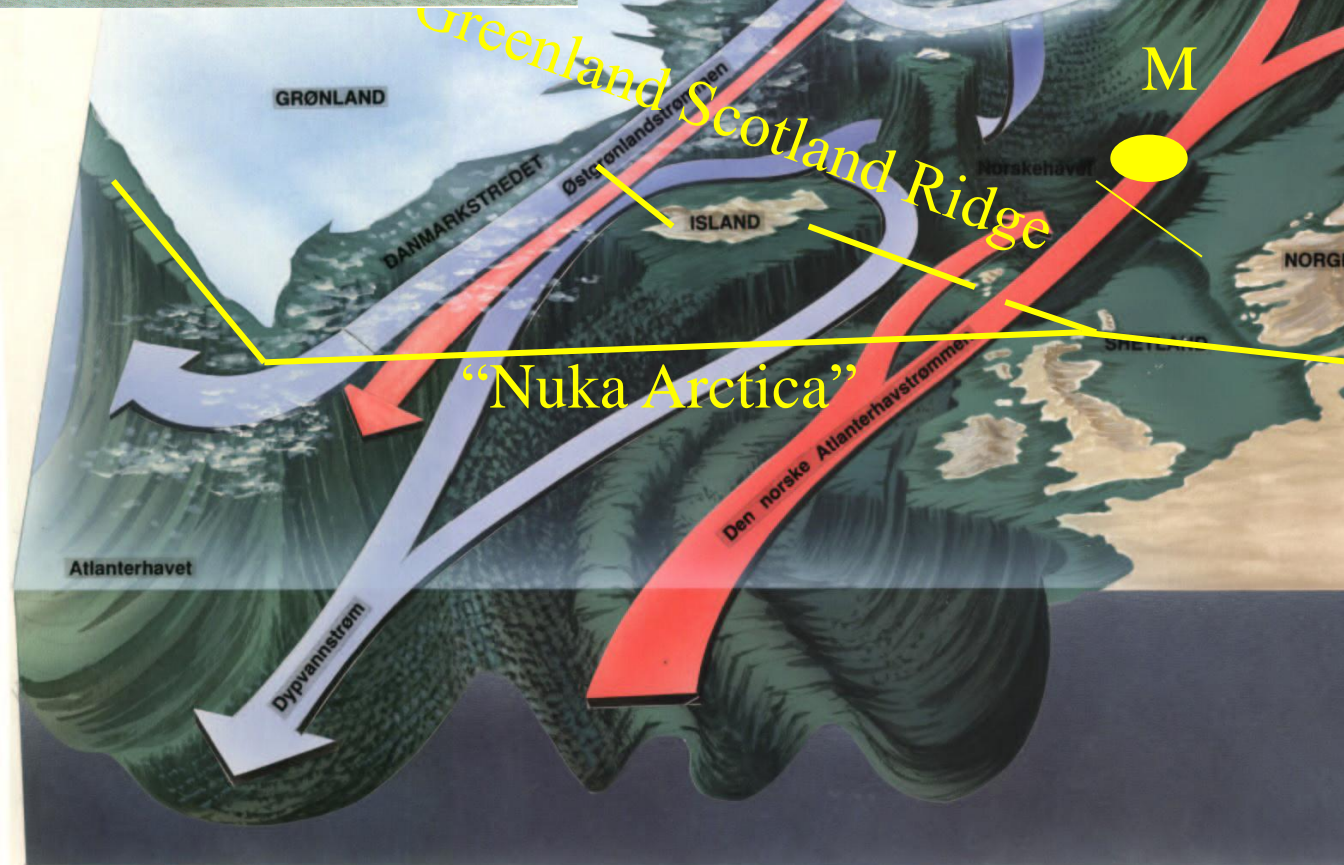
To be build

# Coastal Ships

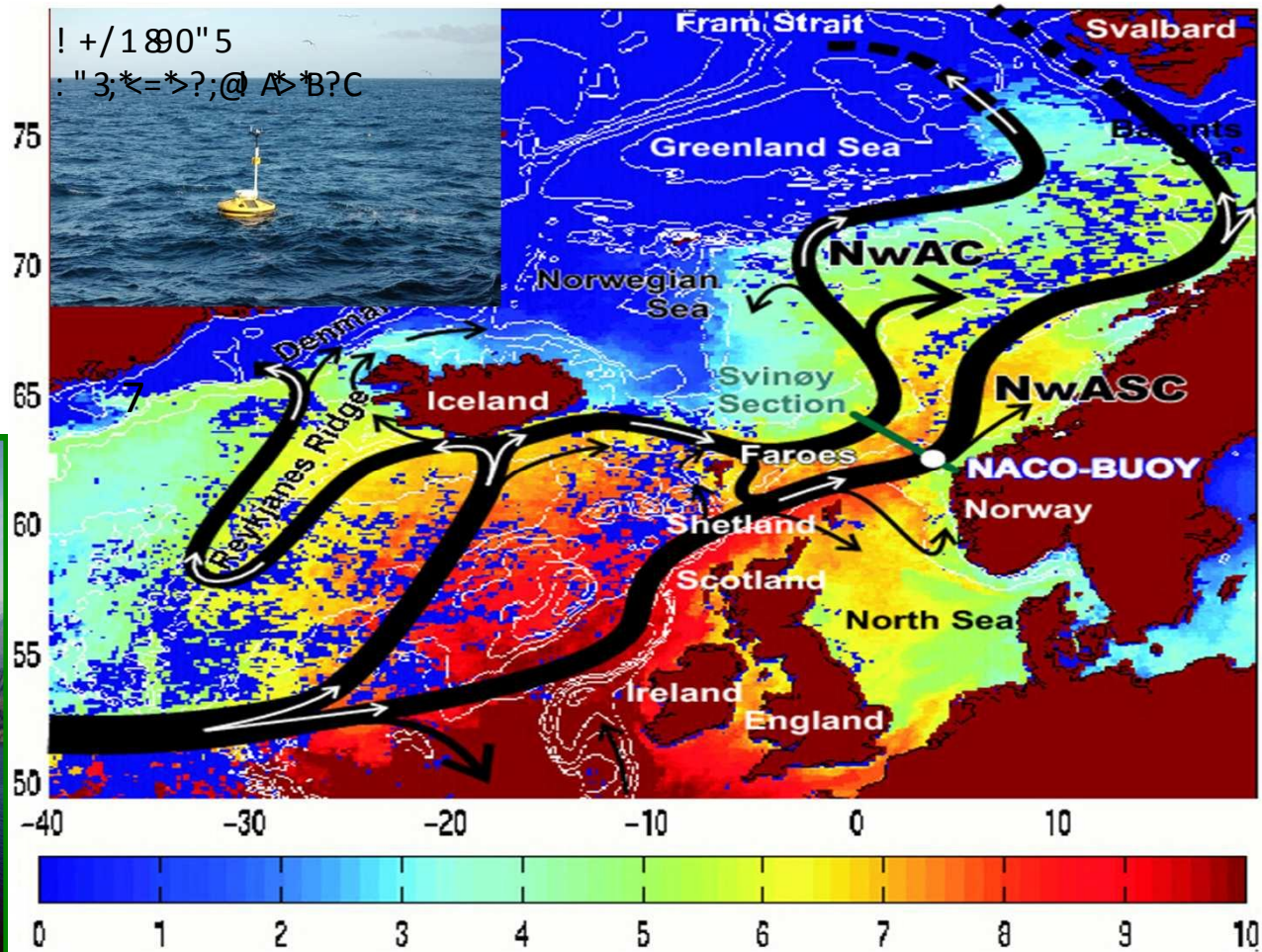


# North Atlantic Sites/sections

Fram Strait







[www.rundecentre.no](http://www.rundecentre.no)

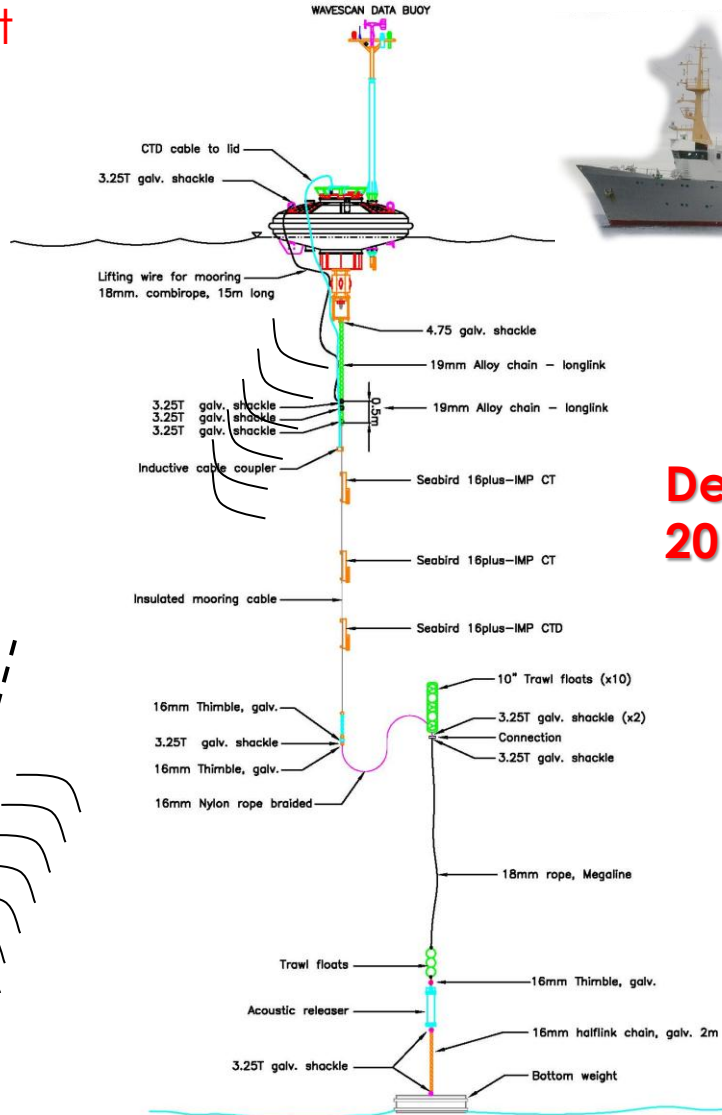
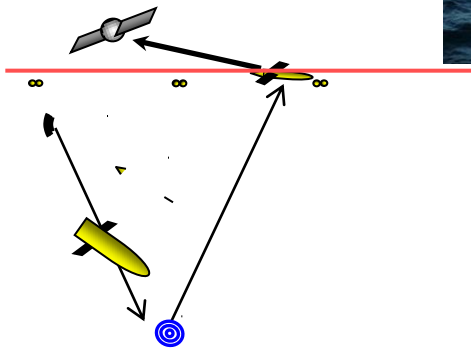
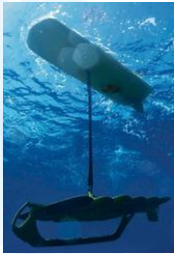
Focus area for NACO, national base funding for 9 gliders and reference buoy, gliders available for international research projects contributing to running costs

# Future

## New moorings and gliders will replace OWS Polarfront

Unmanned  
Sailing boat

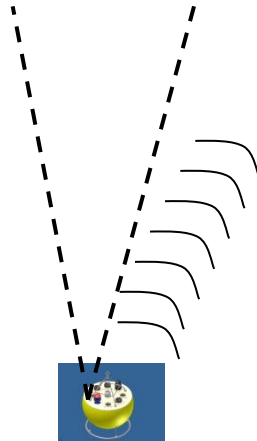
Glider & Wave Glider



Deployed  
2011 (IMR)



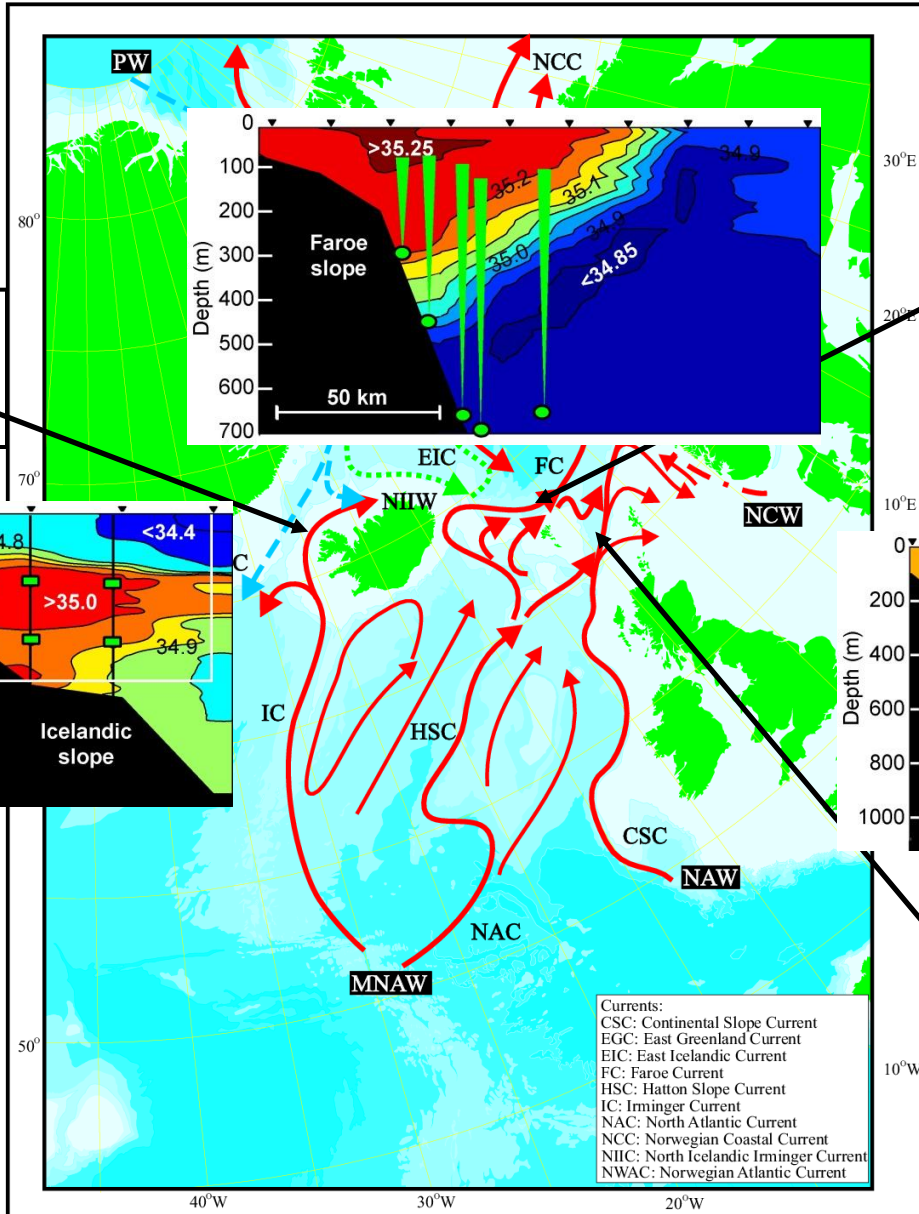
Deployed  
Jan 2010



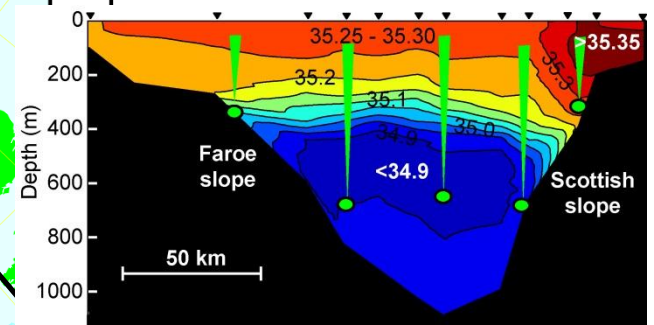
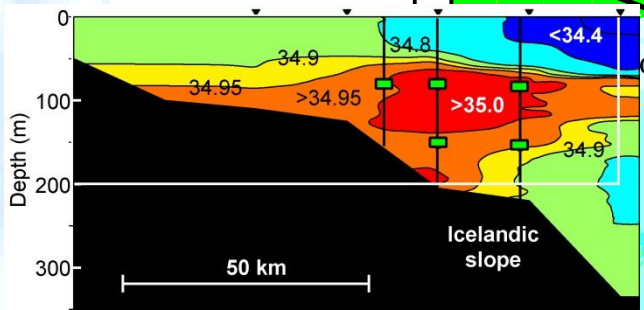
# Monitoring the inflow of Atlantic water to the Nordic Seas



The Iceland Branch / Irminger Current west of Iceland



The Faroe Branch / Current over the Iceland-Faroe Ridge

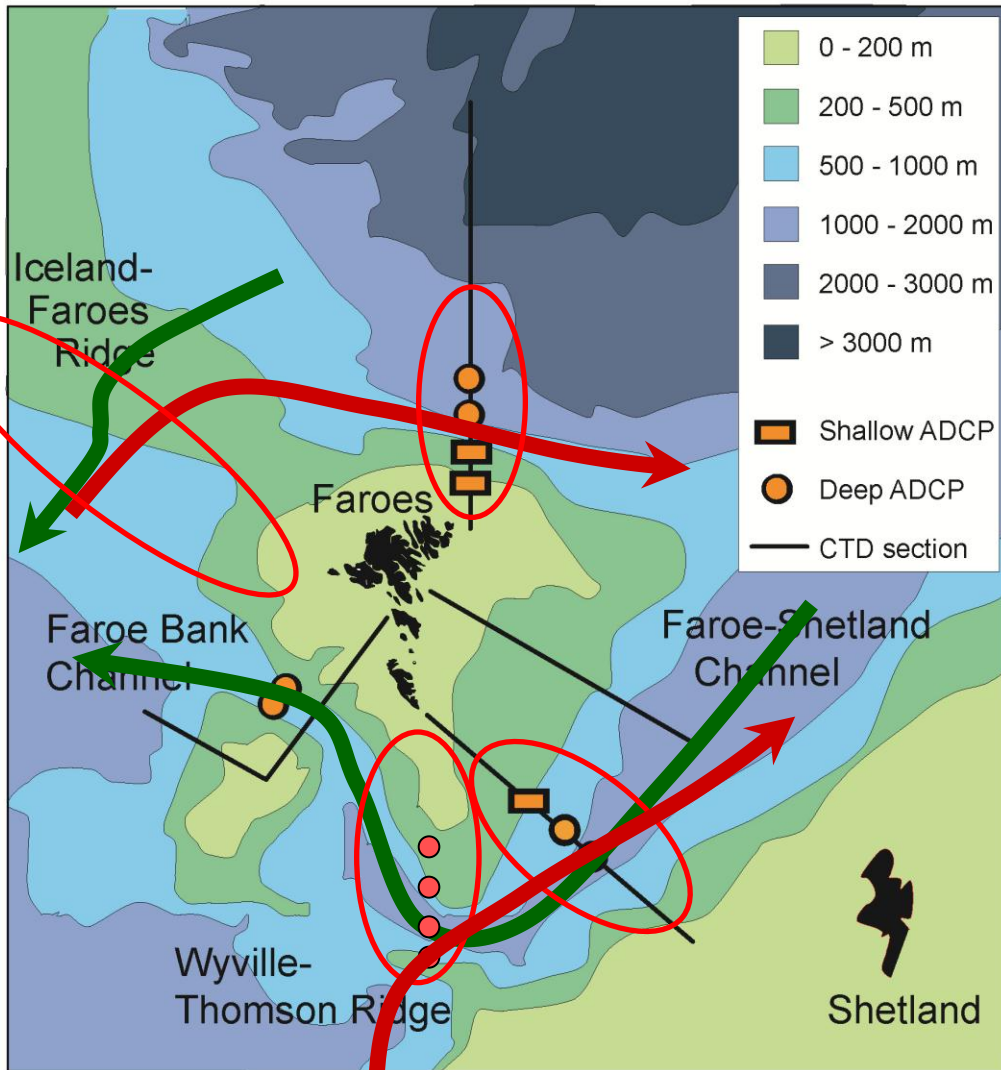


The Shetland Branch, Continental Slope Current through the Faroe-Shetland Channel

- Currents:
- CSC: Continental Slope Current
  - EGC: East Greenland Current
  - EIC: East Icelandic Current
  - FC: Faroe Current
  - HSC: Hatton Slope Current
  - IC: Irminger Current
  - NAC: North Atlantic Current
  - NCC: Norwegian Coastal Current
  - NIIC: North Icelandic Irminger Current
  - NWAC: Norwegian Atlantic Current



# Gliders CTD sections and mooring sites



Gliders + 4 CTD cruises a year along standard ADCP moorings sections

