

# Norway

May 2010

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## Summary of operational and planned GOOS participation

### Observations

### Comments

Surface Drifters        2 active and on the GTS April 2010

Moorings                8 Fixed (coastal) stations (T and S profiles), 2-3/month  
Ingoy, Eggum, Skrova, Bud, Sagnesjoen, Ytre Utsira,  
Indre Utsira, Lista and Torungen <http://data.nodc.no/stasjoner/>

IMR deployed 5 current meter moorings for measurement of  
transport of Atlantic water between Norway and Bear Island.

Fareo-Shetland channel upward looking ADCP. Measure water-mass  
exchanges across UK-Greenland ridge, the Fram Strait and Bear Is-  
Tromsflaket section.

OceanSITES <http://www.oceansites.org/network/index.html>  
Barents Sea, OWS M and Iceland-Faroe Ridge

Waves                    WaMos - <http://www.oceanwaves.de/>

ARGO                    None active May 2010

Sea Level                6 GLOSS stations, all posted by PSMSL through 2008 (Andenes,  
Honningsvarg, Maloy, Rorvik, Tregde, Vardo). These stations also  
report in FAST mode. April 2010 data posted at the Hawaii FAST Center.  
<http://ilikai.soest.hawaii.edu/uhs/c/woce.html>

Operates 24 stations overall, 6 stations are GPS positioned.

EASES participant: <http://www.e seas.org/>

Time Series             Stavanger-Aberdeen surface layer T and S monitoring weekly.  
Skagerrak and Rogaland-Finnmark Fjords: T, S and Oxygen observed  
each Nov/Dec.

Flodevigen Station T and S, daily at several depths

Hydrographic, Hydrochemical and Biological parameters

observed monthly at two locations off Arendal

Ocean Weather Station Mike (“M”). Hourly WX, 6 hourly upper air, hydrographic observations weekly.

Barents Seas sections:

Norway –Bear Island	19 stations	6/yr
Vardo-North Section	19 stations	4/yr

Norwegian Sea sections:

Svinoy section (with moorings, SeaSoar)	3-4/yr
Gimsoy section	2/yr
Bear Island West	2/yr
Sorkapp section	1/yr

North Sea sections:

Torungen-Hirsthals	11/yr
Hanstholmen-Aberdeen	4/yr
Utsira-Startpoint	4/yr
Feie-Shetland	4/y

3-4000 CTD stations transferred in real-time to IMR with the Intention of making the data available through the GTS. Data are available from ICES and the WDC Washington.

Bio/Chem

Nutrients, Chlorophyll and phytoplankton at station “M”  
Bio and chem on “Standard transects” and “Regional Monitoring”

North Sea International Bottom Trawl Survey participant since 1971.  
2998 hauls obtained 1971-2008.

[http://datras.ices.dk/Data\\_products/Submission\\_Status.aspx](http://datras.ices.dk/Data_products/Submission_Status.aspx)

Algaeinfo – weekly information on phytoplankton along the Norwegian coast. <http://algeinfo.imr.no/eng/>

TS Hydrography

Latest and next Repeat Hydrographic sections (standard WOCE sampling): 75N, Iceland – Greenland, 2009 and planned 2011.

Carbon

Amsterdam-Bergen, 2005-2009. Weekly with Netherlands.  
Aalborg –Nuuk Greenland, 2005-2009, monthly.  
OWS-M, continuous since 1992.  
75N, Iceland-Greenland, 2008

VOS

27 ships operating 5/6/2010, 16 on GTS, potential 42 ships

Coastal

SST, Bergen to Kirkenes: M/S Vesteraalen, M/S Lofoten

Temp at 5 min intervals, frequent transects.

Fedje Island Project – HF Radars to monitor surface currents  
critical to petroleum terminal activity.

FerryBox: Oslo-Hirtshals (Denmark) SST, Salinity, Turbidity,  
Flourescence <http://data.nodc.no/termograf/>