

Norway

December 2009

National Contact **Dr Harald Loeng**
Harald.loeng@imr.no

Summary of operational and planned GOOS participation

Observations

Comments

Surface Drifters	2 active and on the GTS December 2009
Moorings	<p>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/</p> <p>IMR deployed 5 current meter moorings for measurement of transport of Atlantic water between Norway and Bear Island.</p> <p>Fareo-Shetland channel upward looking ADCP. Measure water-mass exchanges across UK-Greenland ridge, the Fram Strait and Bear Is- Tromsflaket section.</p> <p>OceanSITES http://www.oceansites.org/network/index.html Barents Sea, OWS M and Iceland-Faroe Ridge</p>
Waves	WaMos - http://www.oceanwaves.de/
ARGO	4 active December 2009
Sea Level	<p>6 GLOSS stations, all posted by PSMSL through 2008 (Andenes, Honningsvarg, Maloy, Rorvik, Tregde, Vardo). These stations also report in FAST mode. December 2009 data posted at the Hawaii FAST Center. http://ilikai.soest.hawaii.edu/uhsic/woce.html</p> <p>Operates 24 stations overall, 6 stations are GPS positioned.</p> <p>EASES participant: http://www.e seas.org/</p>
Time Series	<p>Stavanger-Aberdeen surface layer T and S monitoring weekly. Skagerrak and Rogaland-Finnmark Fjords: T, S and Oxygen observed each Nov/Dec.</p> <p>Flodevigen Station T and S, daily at several depths</p> <p>Hydrographic, Hydrochemical and Biological parameters</p>

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

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

North Sea Bottom Trawl Survey participant since 1972. 37 surveys completed through 2008

<http://www.ices.dk/datacentre/accessions/index.asp>

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

Carbon

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

VOS

15 active December 2009. Total fleet 42 - Met plus oceanographic measurements

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,
Flouescence <http://data.nodc.no/termograf/>