



EuroGOOS

On international oceanographic data exchange and management - present structures and development

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EuroGOOS

Data

1. Real time data
2. Delayed mode data
3. Archived data
4. Data archaeology



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1. Real time data

Real time data for

- assimilation in forecast models
- for forecast validation
- for nowcasting

Goal: An equivalent to the meteorological data exchange

Being developed in international organisations and projects; GOOS, JCOMM, EUMETNET, ARGO, GODAE, EuroGOOS, BOOS (and other ROOSes), SEPRISE, MerSea, ..



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About

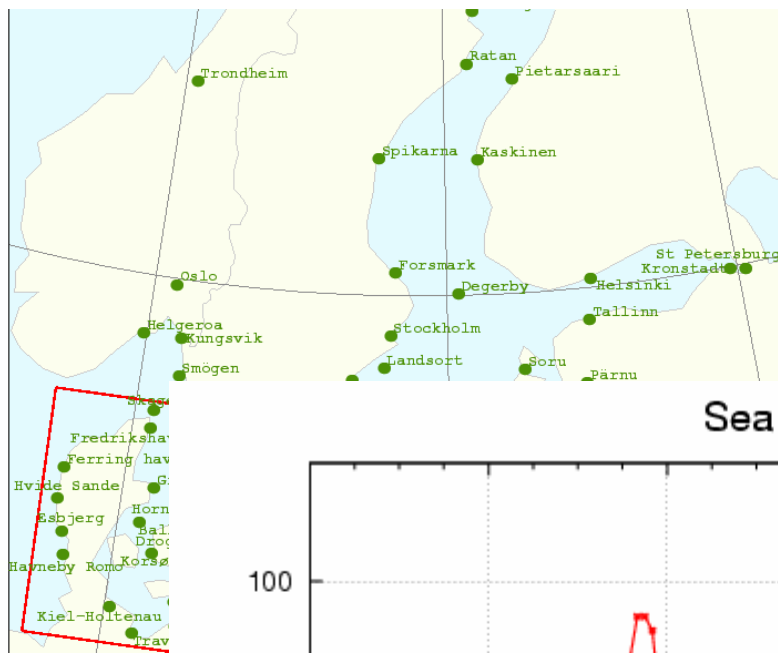
News

Significant
waveheight

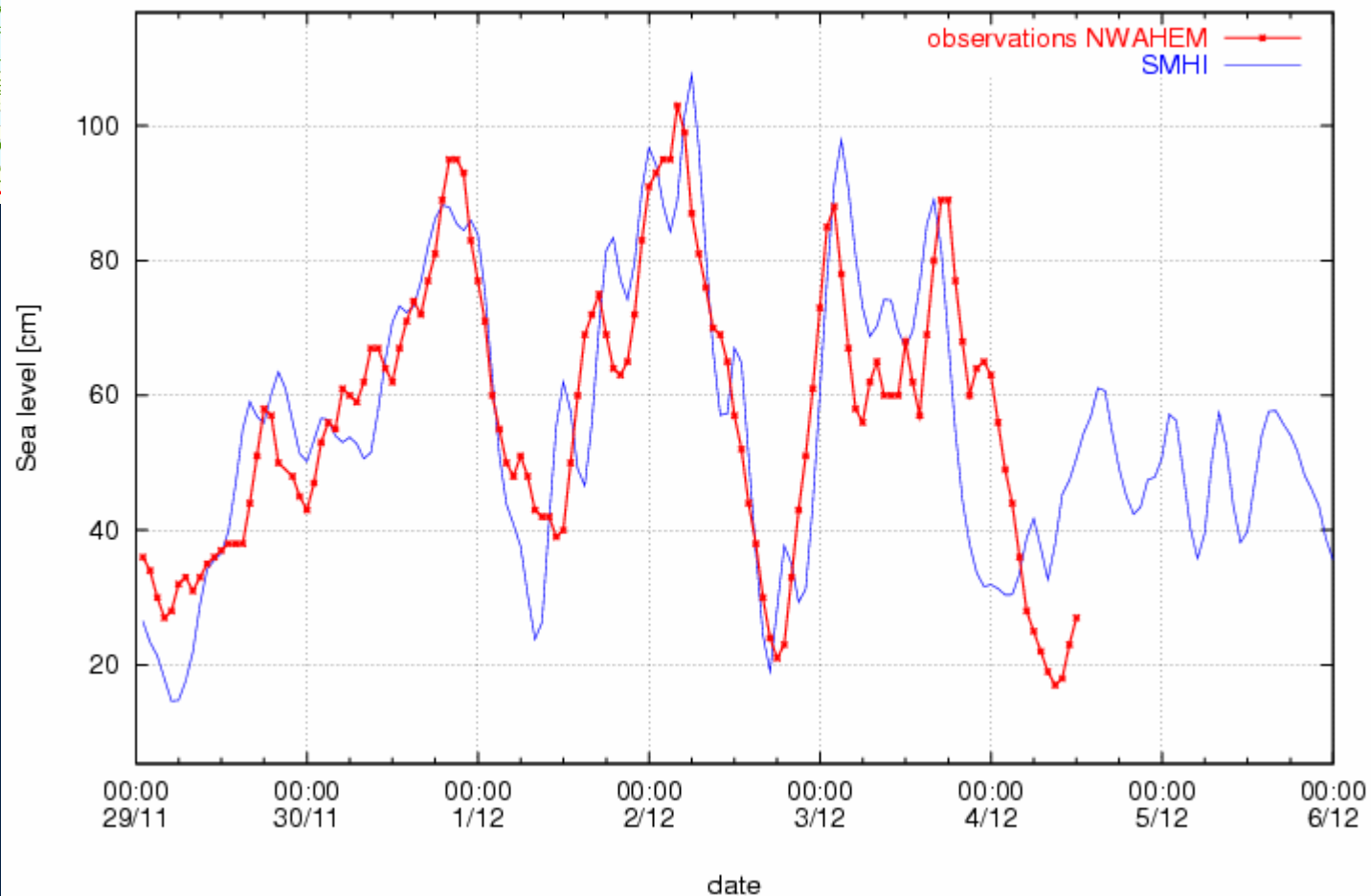
Sea surface
temperature

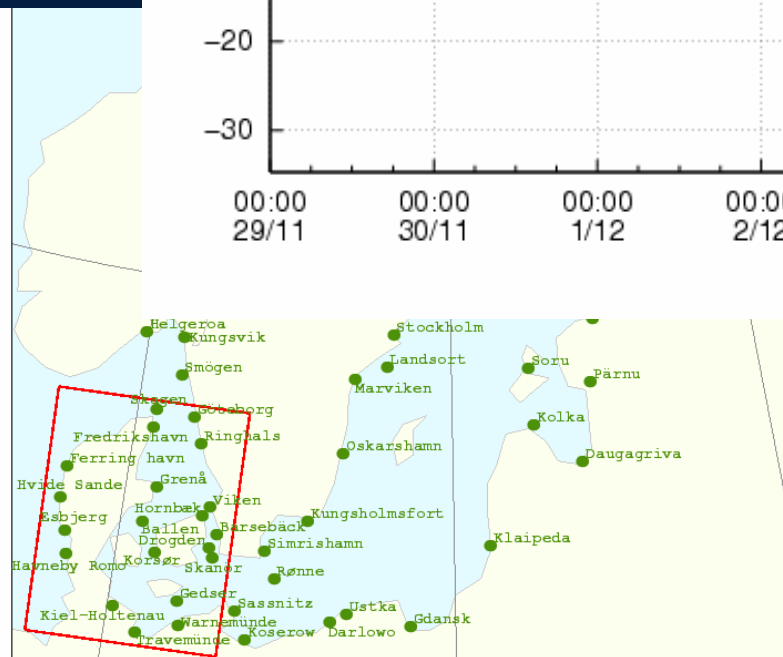
Sea surface
salinity

Sea level



Sea level at St Petersburg







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2. Delayed mode data

Data for

- nowcasting
- regular products
- archiving

Have existed for many years. Examples: WMO/IOC
IGOSS - today JCOMM (Bathy-TESAC), ICES,
MEDS, ARGO, SOOP, ...



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3. Archived data

Archives for analyses and studies of

- climate trends and scenario modelling
- environmental trends and changes
- statistics, design criteria
- and for research and development

Organised exchange and management of marine data have been ongoing for more than 100 years.
ICES, WMO, IOC, WDC, IODE, HELCOM
Projects: SeaSearch, Seadatanet, BED, Baltex



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Welcome to EuroGOOS

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Links

- **GOSIC - the Global Observing Systems Information Center**
- **World Ocean Database 2001**
- **ARGO free-drifting profiling floats**
- **Animate (Atlantic Network of Interdisciplinary Moorings and Time-series for Europe)**
- **European Register of Marine Species**
- **MARIS - Marine Information System**
- **Data Servers of the Scripps Institution of Oceanography Library**
- **EDMED - The European Directory of Marine Environmental Data**
- **OCEANIC - The Ocean Information Center**
- **WDC-MARE - World Data Center for Marine Environmental Sciences**
- **SEA-SEARCH - Oceanographic and Marine Data & Information in Europe**



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Your gateway to Oceanographic and Marine Data & Information in Europe



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Welcome on SEADATANET

Pan-European infrastructure for Ocean & Marine Data Management



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to Data & Products](#)

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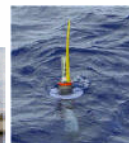
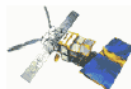
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News: (30/10/2006)

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December 7-8, 2006, RIKZ, The
Hague - The Netherlands

■ [Annual Plenary Meeting:](#)

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March 19-20 2007, Trieste, Italy

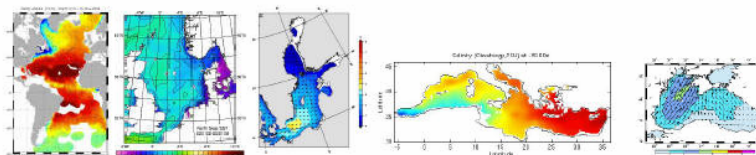
■ [Report Available](#)

[First Plenary Meeting in Crete
\(Greece\), June 8-10, 2006](#)



➤ [More on SeaDataNet](#)

➤ [Access to data and information](#)



SeaDataNet - 026212 is an Integrated Infrastructure Initiative of the EU Sixth Framework Programme
Coordination : IFREMER (Institut Français de Recherche pour l'Exploitation de la Mer)
BP 70, 29280 Plouzané, France



Contacts



links



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Klar

Adblock

Baltic Sea data collection and exchange activities (1)

International monitoring

- ICES, hydrography and fish stocks
- HELCOM, hydrography/ecosystem/load
- Sea ice, SST
- Sea level, waves, currents
- Algal blooms
- Discharges from ships
- Satellite remote sensing; SST, ice, algae, waves, SSH

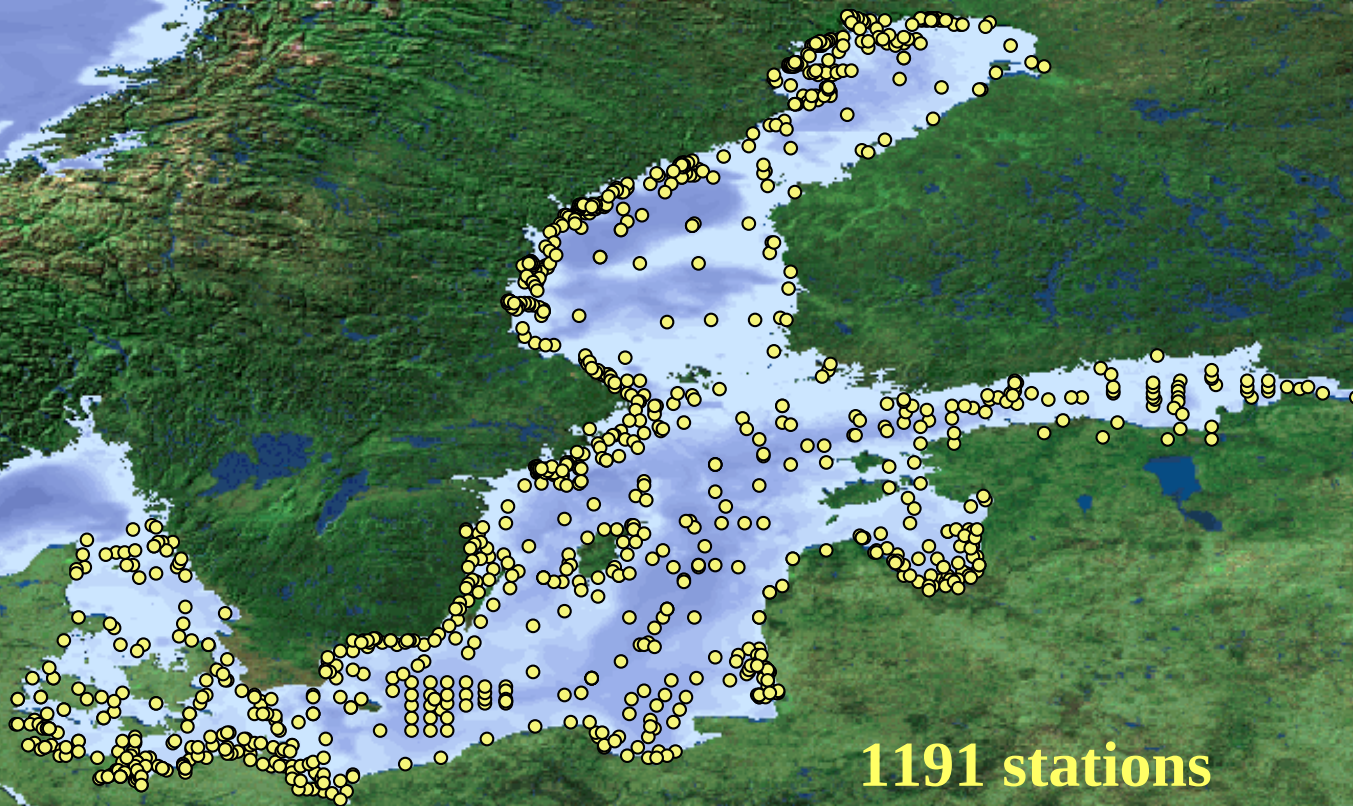
- BOOS, Baltic Operational Oceanographic System
- EU Marine strategy/ European marine monitoring programme (EEA/EMMA)



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Baltic Sea Area



1191 stations

EDIOS

European Directory of the Ocean-observing System

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Baltic Sea data collection and exchange activities 2

International data exchange

- ICES-HELCOM
- WMO/GTS
- Baltic Ice Service
- HIROMB
- BOOS real time/national-institutional archives (ftp- servers)
- GEWEX/Baltex
- Between institutes
- Between scientists (BED)
- Within projects



To conclude, some EuroGOOS Strategies:

- Interoperability, global standards
 - WMO, IOC, JCOMM, SCOR, MarineXML, ...
- Sustainability
 - Governmental agencies and laboratories
- Use existing networks and systems
 - GTS/WIS, IODE/NODCs
- Pragmatism
 - Better make it work than wait for the perfect



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Thanks for your attention.



EuroGOOS

- GOOS - Global Ocean Observing System
- EuroGOOS -the European GOOS Regional Alliance, GRA
- Established 1994, MoU
- The EuroGOOS Agreement 1999
- Organisation financed by member subscriptions
- 33 members in 17 countries, increasing



EuroGOOS

WMO/IOC/UNEP/ICSU

GCOS

Climate

GOOS

GTOS

IOC Assembly

Intergovernmental GOOS Committee

GOOS Regional Council

EuroGOOS - GRA

12 other GRAs