

# The European Marine Observing Network and the development of an Integrated European Ocean Observing System: An EuroGOOS perspective

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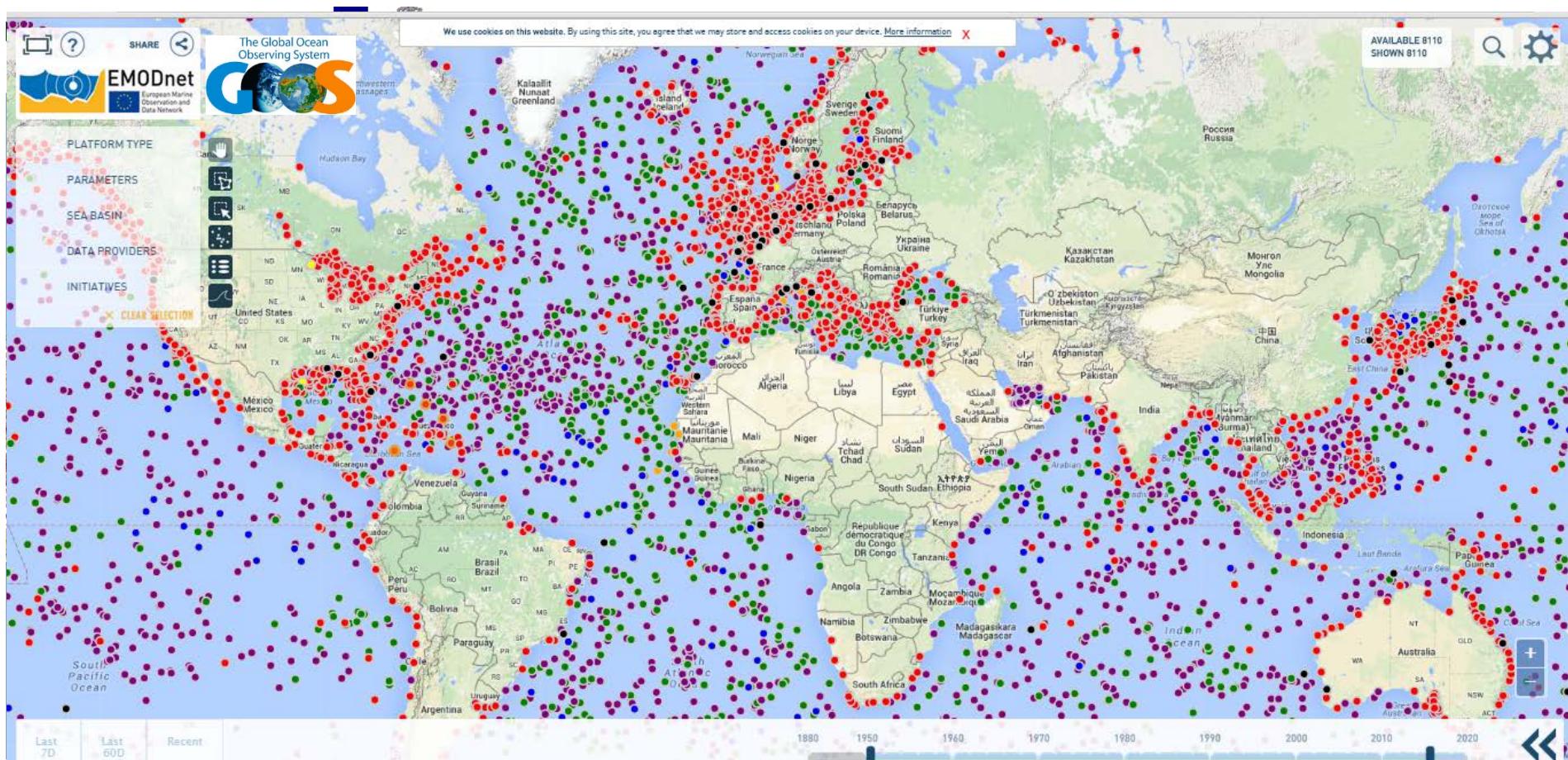


# Periodic Table of the European Marine/Maritime Elements

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**EuroGOOS**  
European Global Ocean  
Observing System

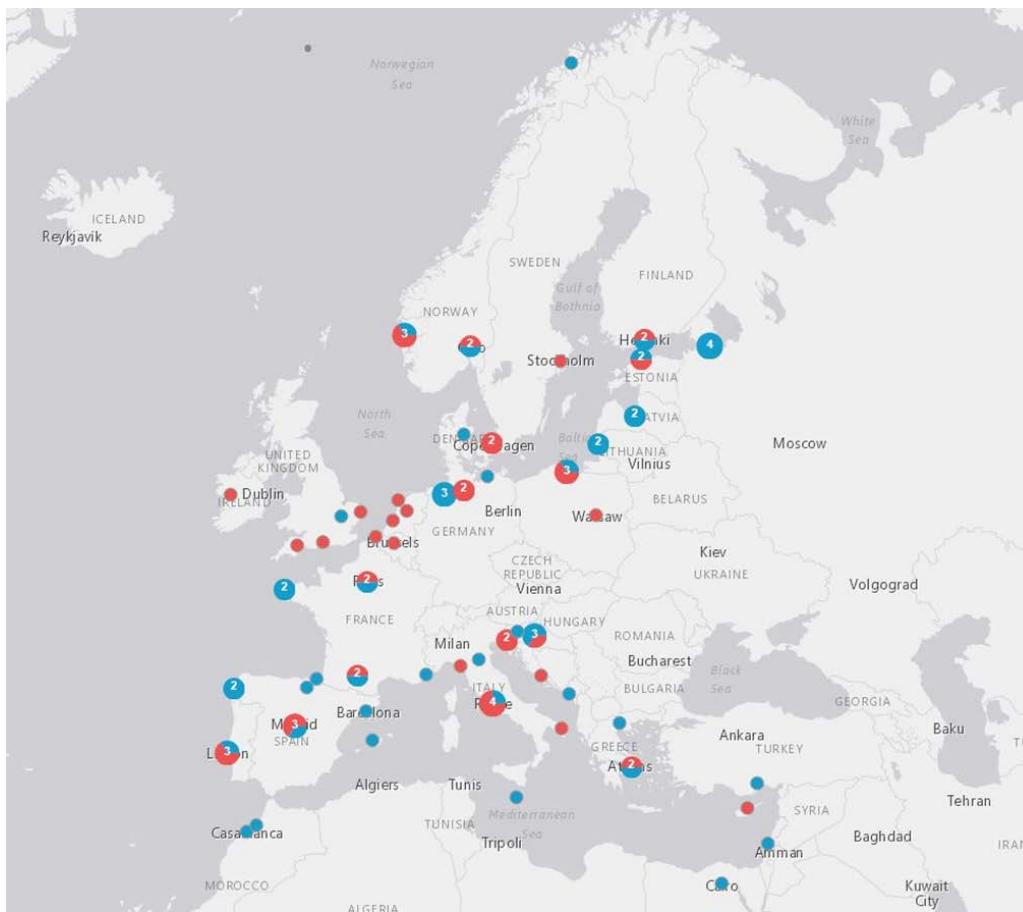




# EuroGOOS

European Global Ocean Observing System

EuroGOOS is an international association of 39 national agencies (+ 60 ROOS members), institutes and research organizations in 19 European countries promoting and implementing Operational Oceanography. Founded in 1994, EuroGOOS operates in the framework of the Global Ocean Observing System (GOOS) of UNESCO/IOC.





# EuroGOOS

European Global Ocean  
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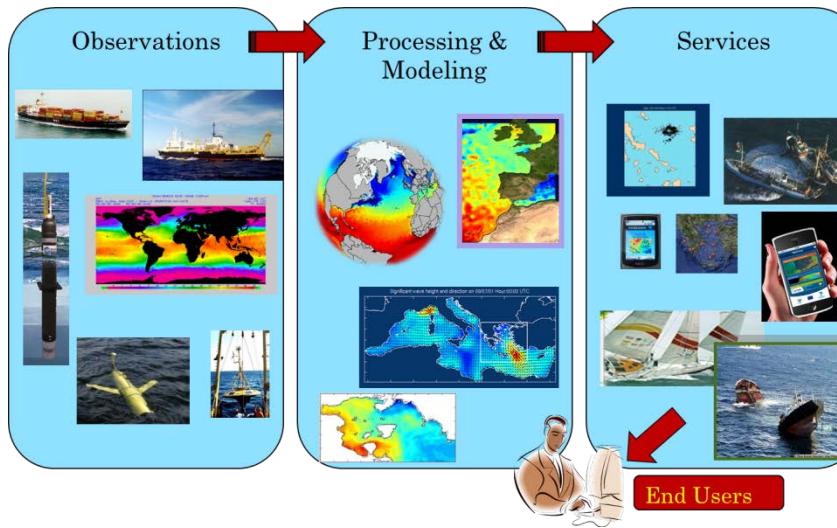
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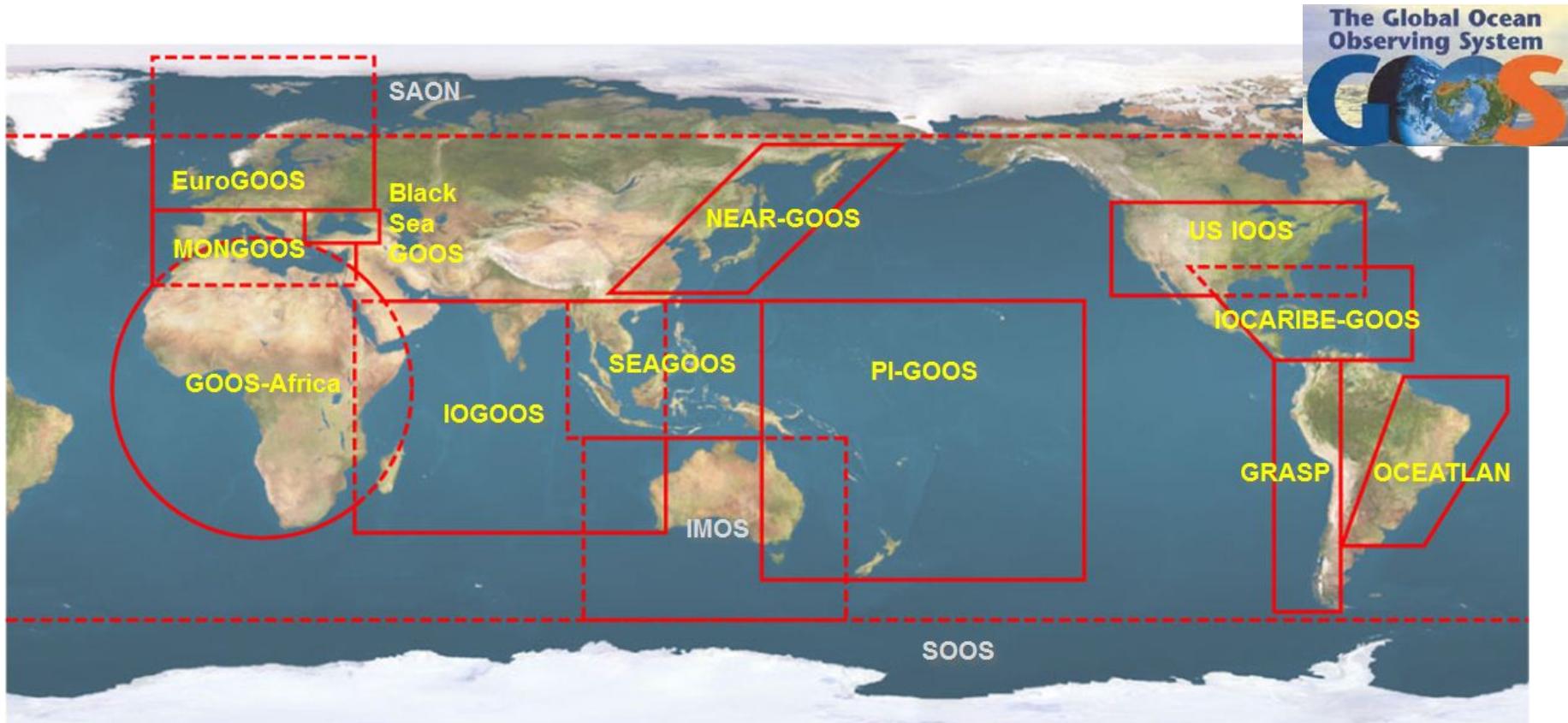


# EuroGOOS Objectives

- **Strategy:** identify priorities for operational oceanography
- **Promotion:** of operational oceanography and the necessary research and technology
- **Cooperation:** at global and regional scales (GOOS, ROOS)
- **Coproduction:** of data and model based services
- **Coordination:** of European contribution to sustained observing systems
- **Representation:** of members to third parties (EU, Int. organizations etc.)



# Part of the global effort



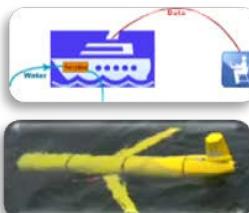
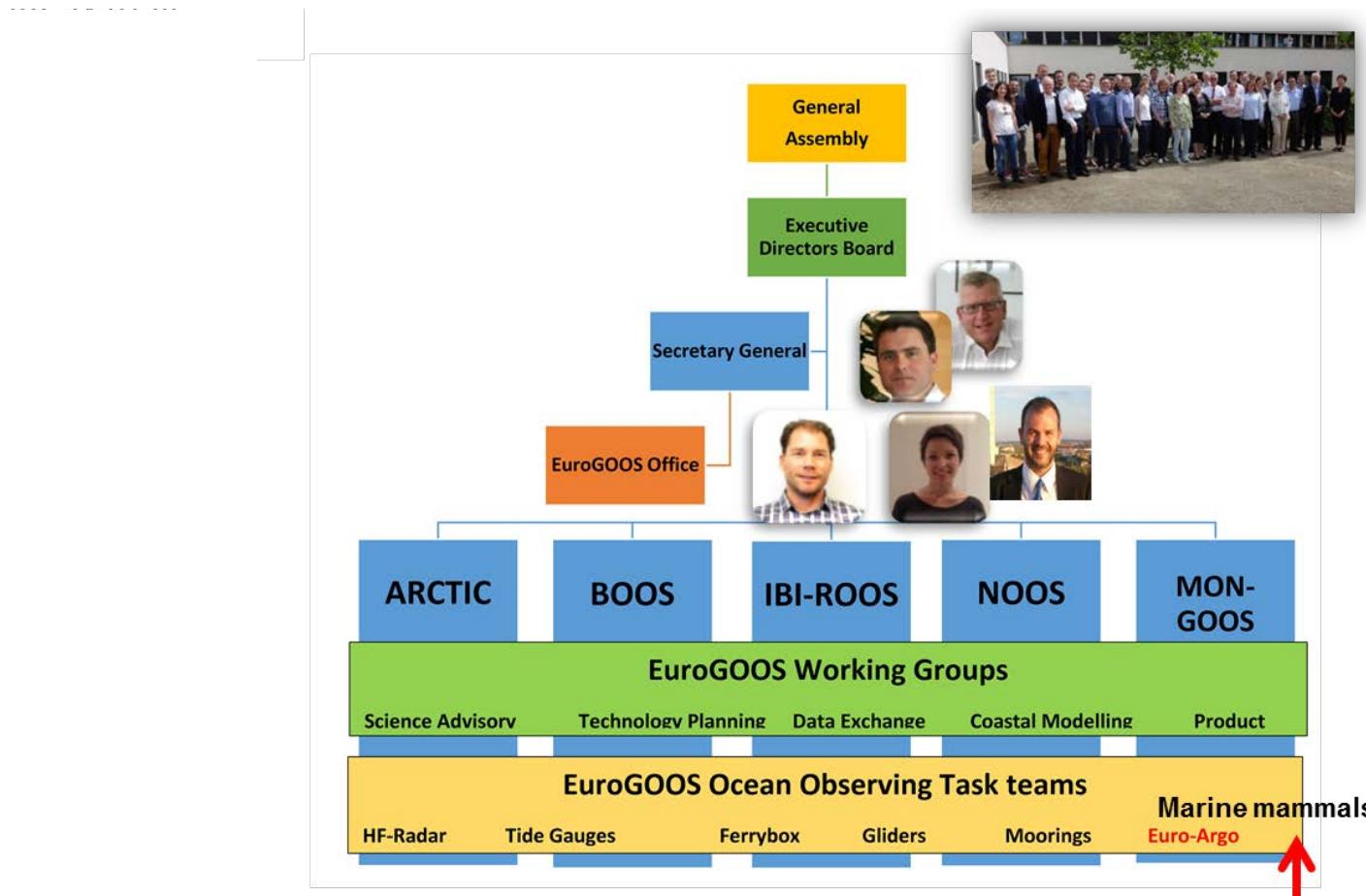
GOOS is a platform for:

- International cooperation for sustained observations of the oceans
- Generation of oceanographic products and services
- Interaction between research, operational, and user communities

# Structure



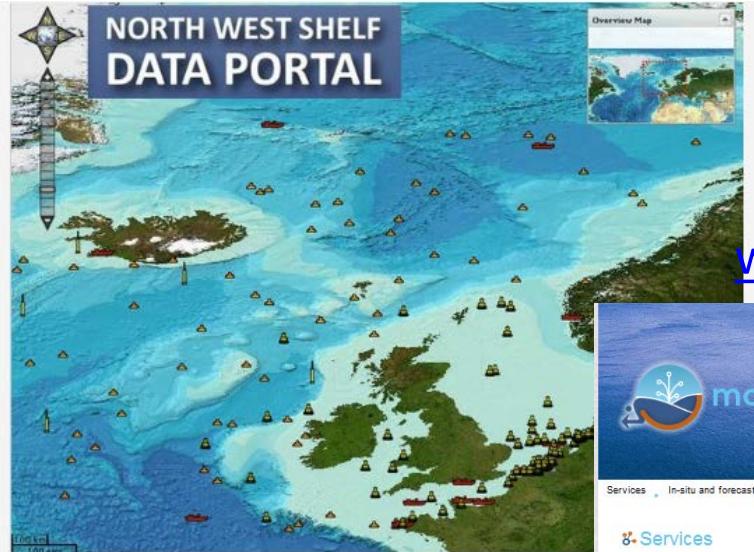
**EuroGOOS**  
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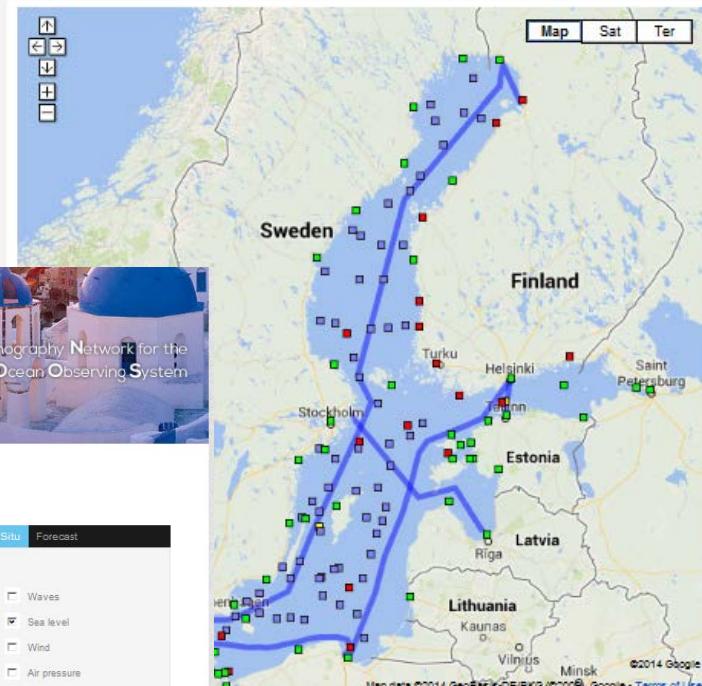
- The **ROOSs - Regional Operational Oceanographic Systems** are the operational arm(s) of EuroGOOS
- About 60 additional partners in ROOSs
- The ROOSs cooperation focus on improved national and regional services and products
- ROOSs **coordinate the observations** and the **data transfer** for internal use and to other users
- **Regional data portals** in every ROOS simplifying the data transfer and enable interoperability and act as “data translators”

## NORTH WEST SHELF DATA PORTAL



[www.boos.org](http://www.boos.org)

## BOOS OCEANOGRAPHIC STATIONS



[Graphic Stations in a larger map](#)

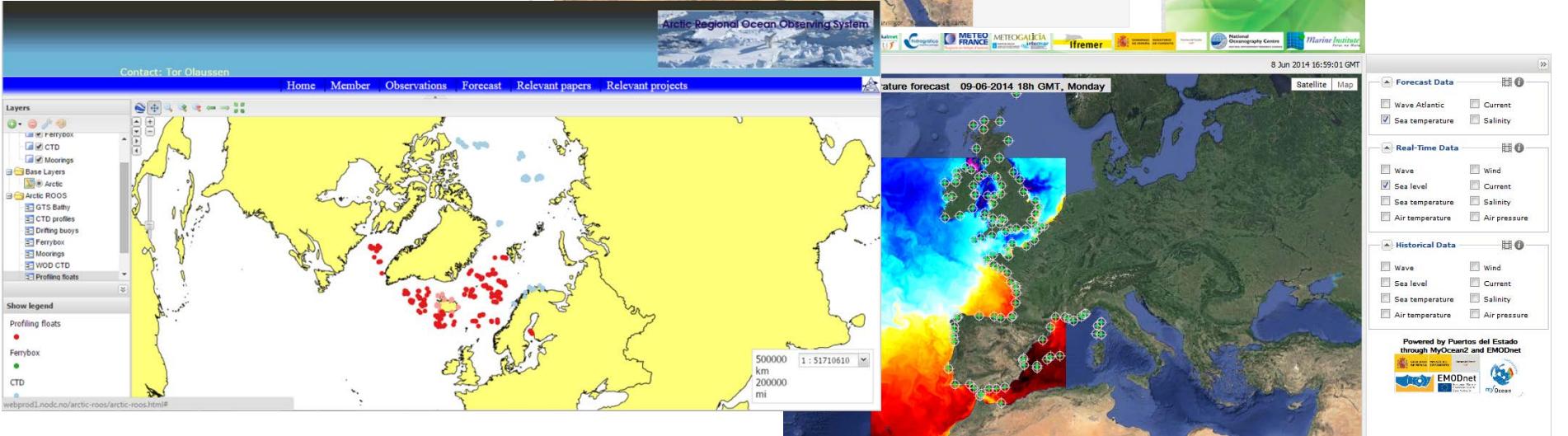
[www.noos.bsh.de](http://www.noos.bsh.de)



[www.mongoos.eu](http://www.mongoos.eu)



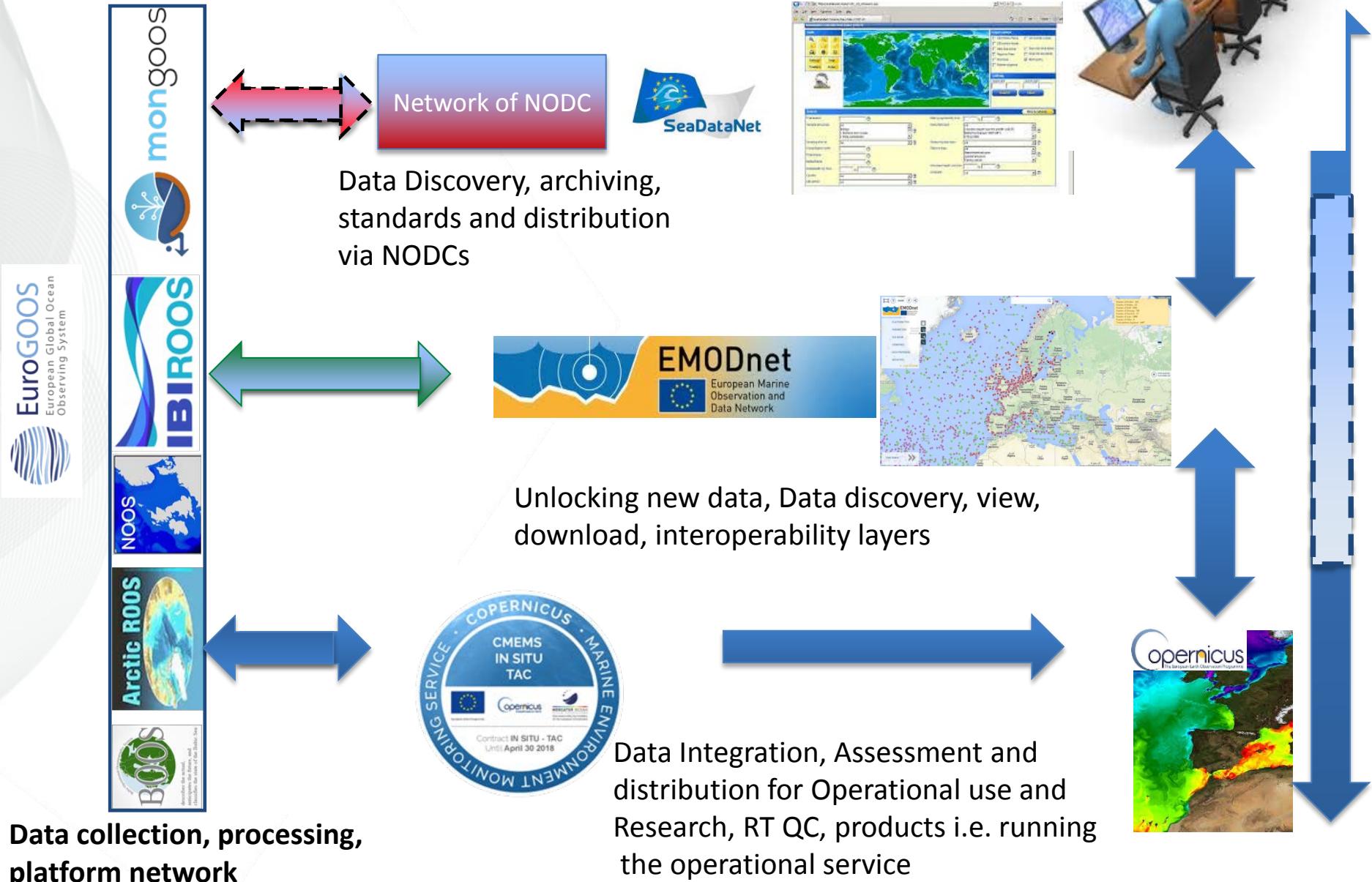
[www.arctic-roos.org](http://www.arctic-roos.org)



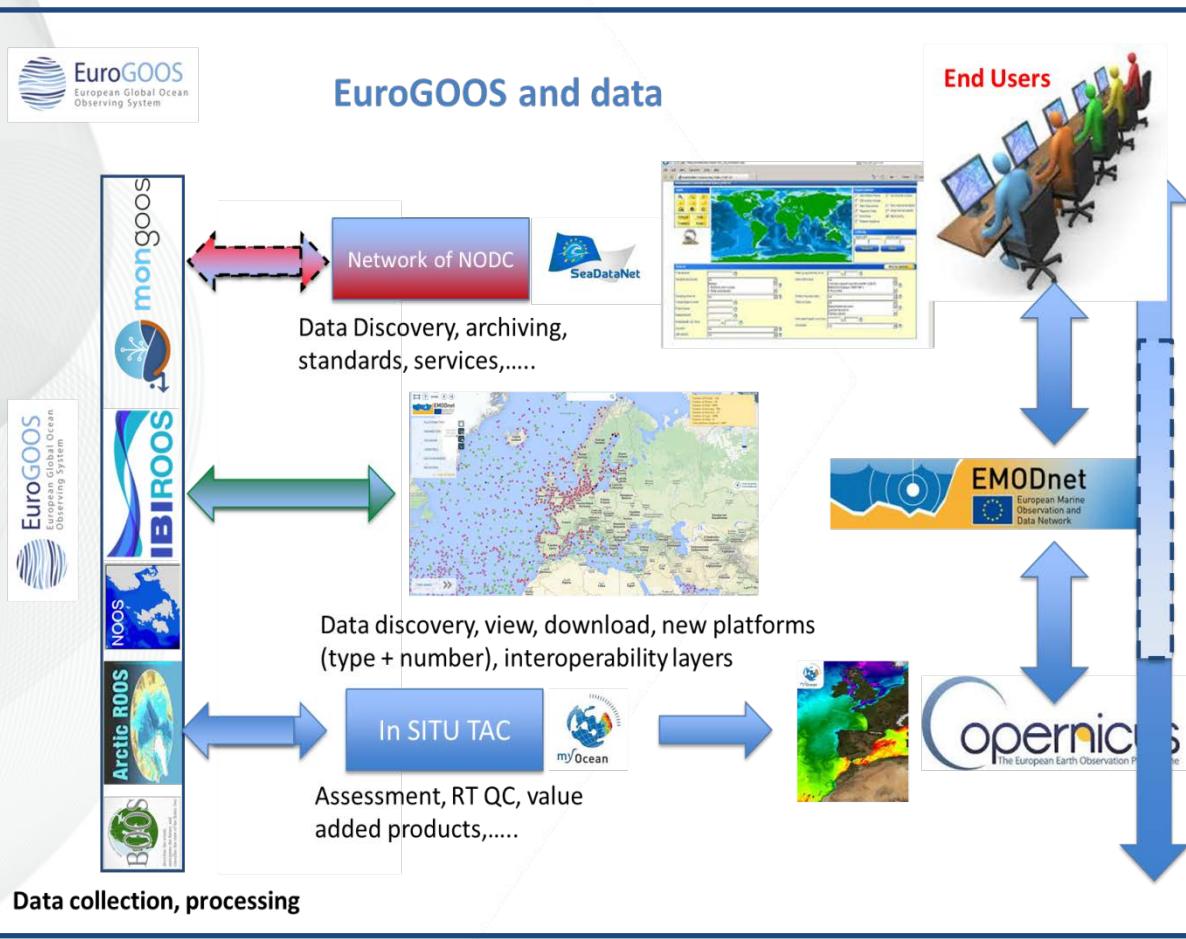
[www.ibi-roos.eu](http://www.ibi-roos.eu)

# EuroGOOS and data

End Users



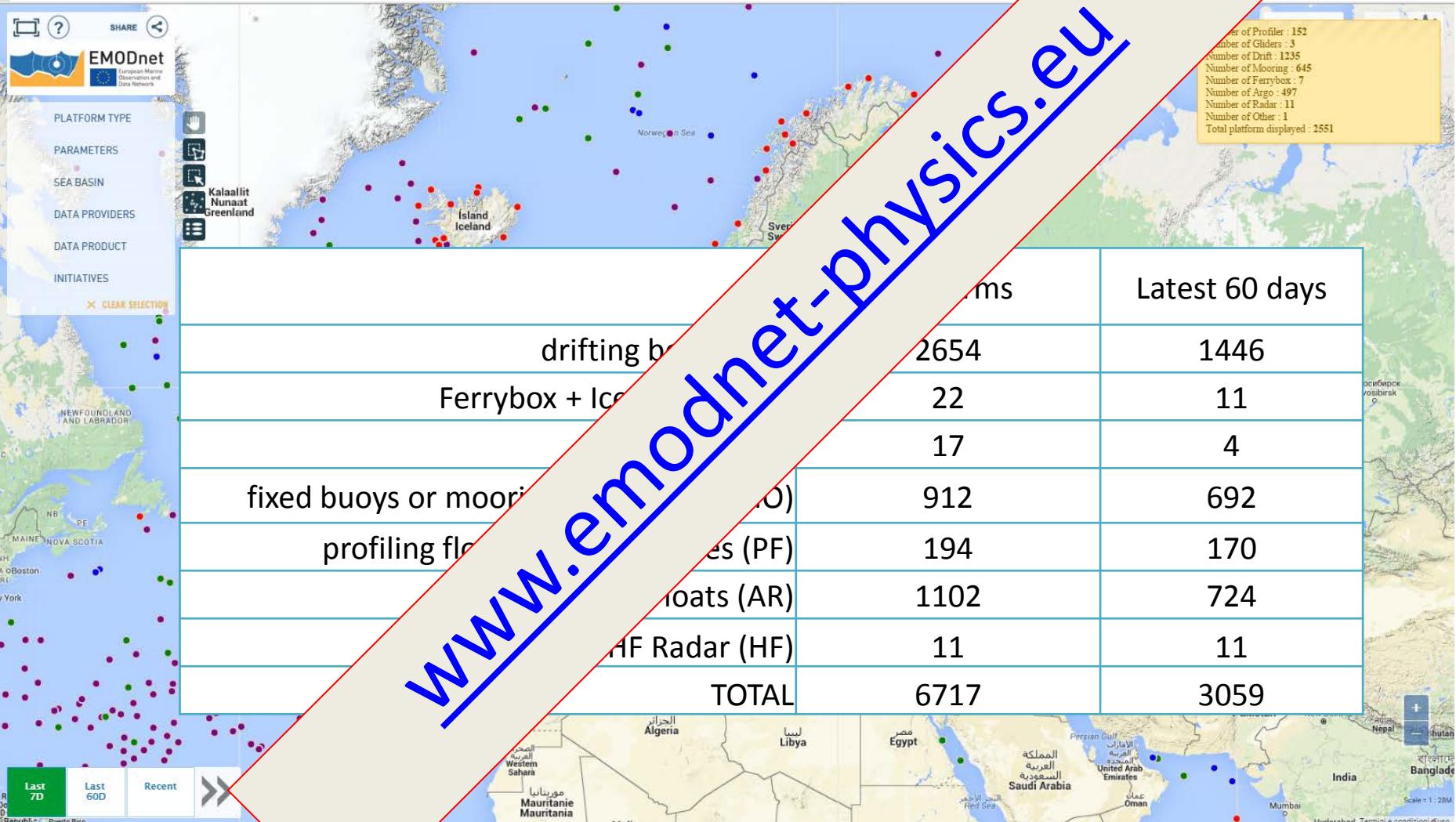
# EuroGOOS and data



European Environment Agency



Providing a European data package to global initiatives





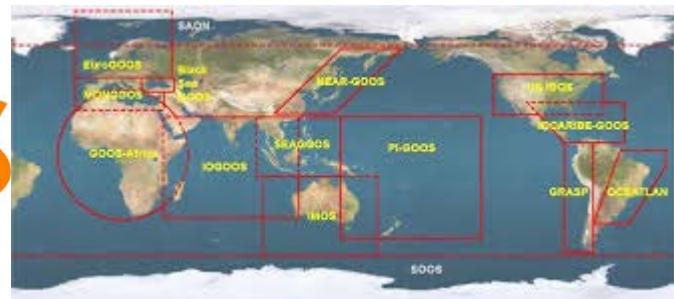
International  
Oceanographic  
Data and Information  
Exchange



OceanDataPortal  
Seamless access to ocean data



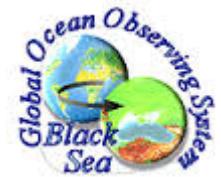
The Global Ocean  
Observing System



INTEGRATED OCEAN OBSERVING SYSTEM



Integrated Marine  
Observing System



## Projects



EMODnet  
European Marine  
Observation and  
Data Network



ENVRI



The European Earth Observation Programme



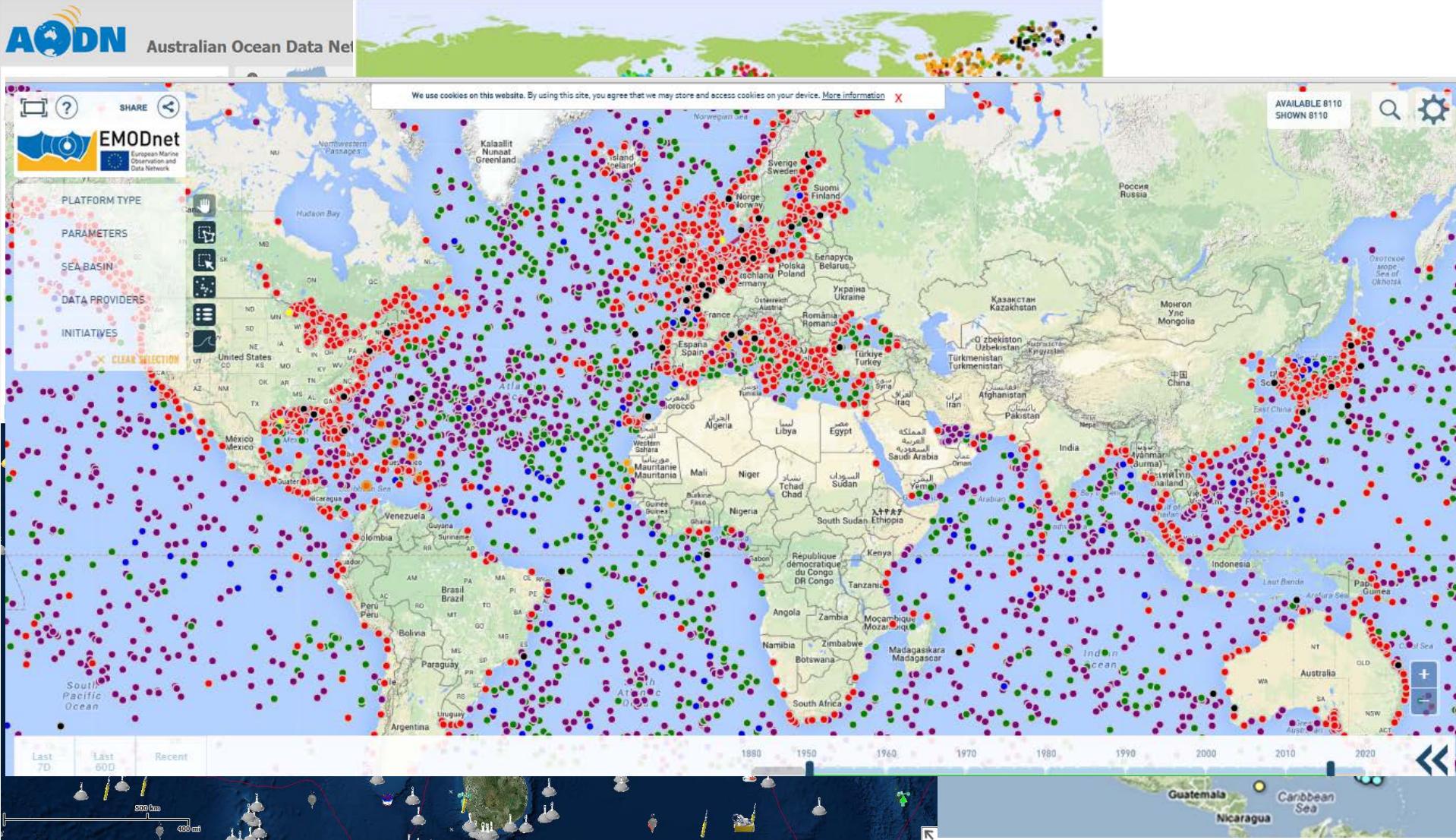
EUMETNET

The Network of European Meteorological Services



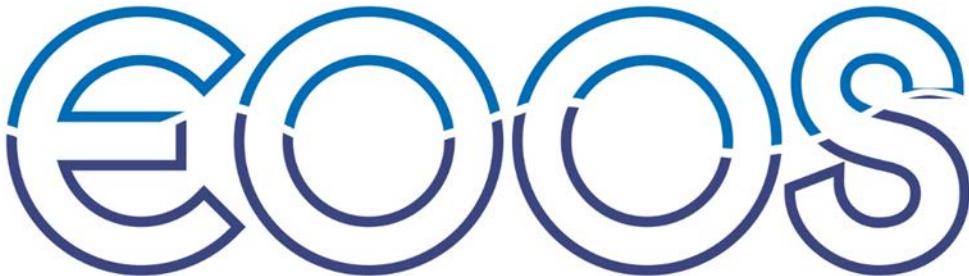


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# EOOS – European Ocean Observing System

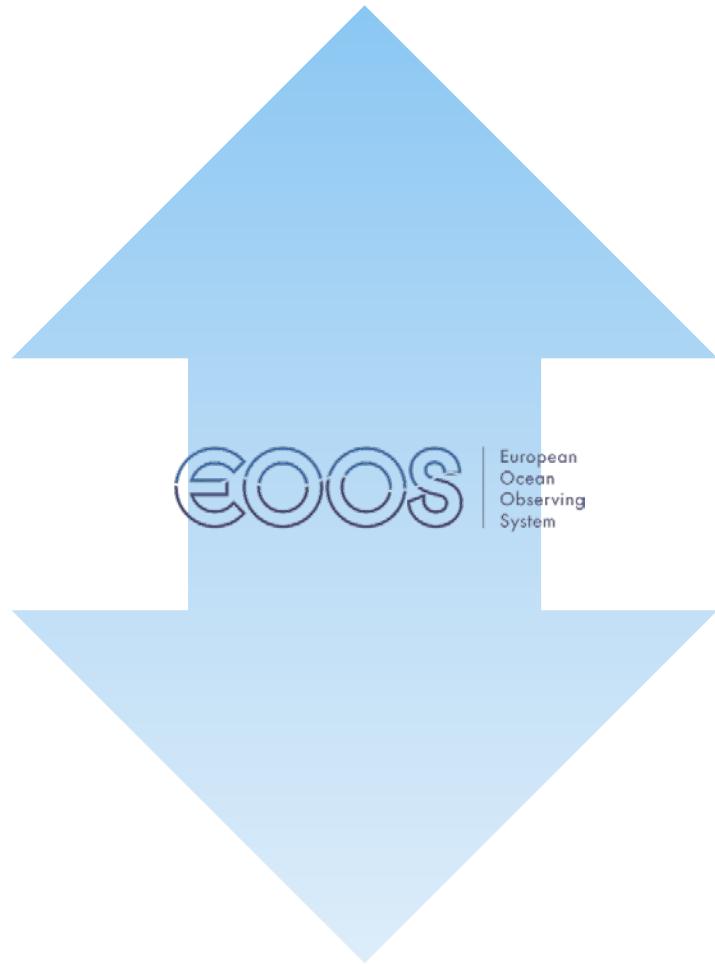
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**EOOS** is a coordinating framework designed to:

- align and integrate Europe's ocean observing capacity;
- promote a systematic and collaborative approach to collecting information on the state and variability of our seas;
- underpin sustainable management of the marine environment and its resources

# EOOS – European Ocean Observing System



Both bottom up: community push  
Top down: policy pull and support

Not an infrastructure or a system with a central governance BUT a **common** conceptual framework and a brand, endorsed and promoted, representing a **consolidated vision of the EU Observing as a whole**

EOOS will help:

- local/national/regional prioritization and funding
- pan-EU cooperation (communal synergies and projects targeted at filling the gaps)
- EU leadership at the global level

# EOOS – European Ocean Observing System

## Proposed way forward:

- Launch a concerted flagship initiative: **EOOS**
  - With specific Strategy, Implementation Plan, Budget
- **Building upon and combining all available resources**
  - National and European
  - Research, Operational, Structural
  - Public and Private
  - Existing and New investments
- **Engaging all stakeholders (EU, MS, Regions, Industry)**
  - EMODnet (DG MARE)
  - Copernicus (DG GROWTH)
  - ESFRI, FP7-8, JPI Oceans (DG RTD)
  - EuroGOOS, EMB, EUMETNET, , ....,
- **In partnership with international – global initiatives**
  - GEO, IOOS-OOI, IMOS, ..., ICES, UNEP, OSPAR, ...



# Thank You For Listening

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