

# Operational Oceanography in Europe with focus on central/eastern Europe

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.....  
Former Swedish delegate to IOC, JCOMM, GOOS, ICES, HELCOM, ....(still advising Swedish participation and actions )

34 governmental marine agencies/institutes in Europe pay my salary.

# EuroGOOS

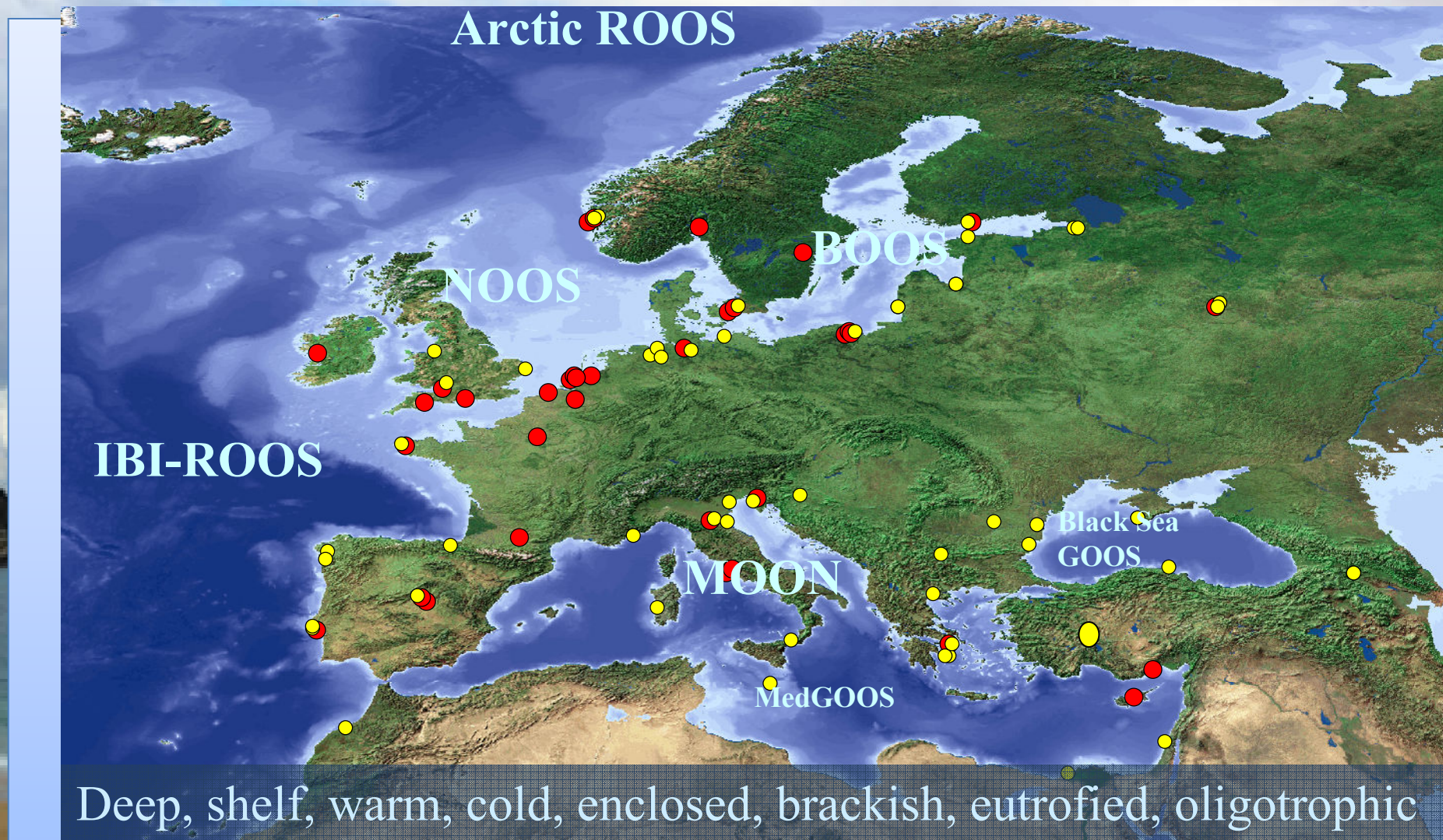
- EuroGOOS is the European Component of the Global Ocean Observing System, recognised by the Intergovernmental Oceanographic Commission
- EuroGOOS shall co-ordinate the European contribution to GOOS
- EuroGOOS is today a self-financed association of national agencies, institutes and research organisations in Europe
- 34 members, and about 60 additional partners in Regional Operational Oceanographic Systems, ROOSs, in the Arctic, Baltic, Ireland-Biscay-Iberia, Mediterranean, Northwest European Shelf and Black Sea.

# EuroGOOS Objective

- *The overall objective of EuroGOOS is to identify, promote, foster, plan and implement cost-efficient operational oceanographic services in Europe and its regions.*
- These services include the production of data and knowledge to support the European Policies.
- EuroGOOS activities shall be beneficial for all its members.



# EuroGOOS Network/Regions

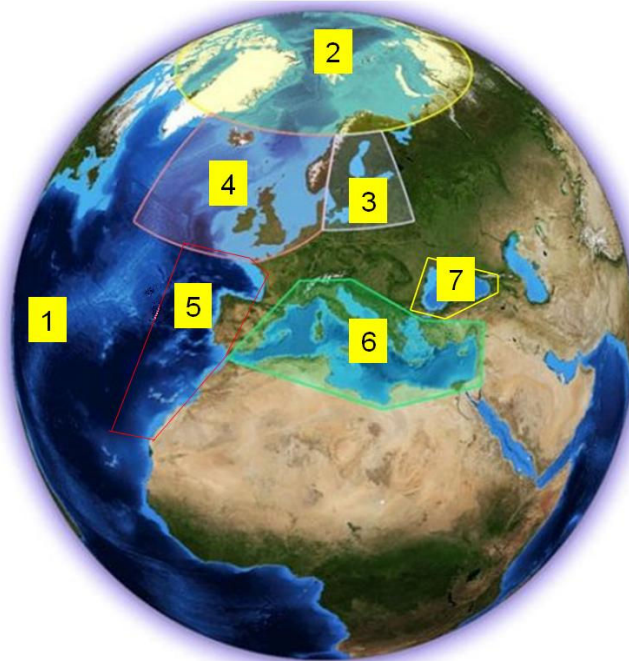




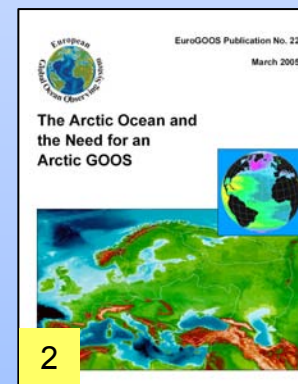
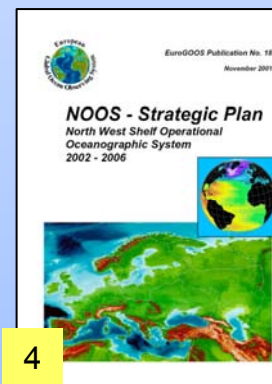
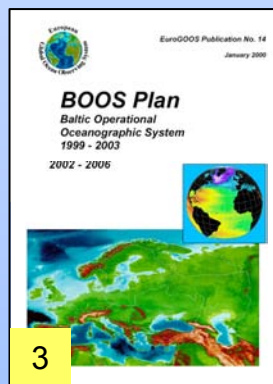
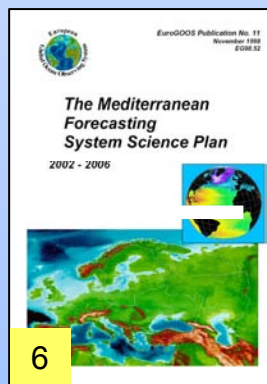
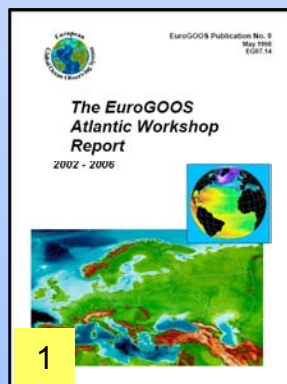
# Regional task teams

EuroGOOS chose early a user-driven bottom-up approach where the *regional scale* was the most appropriate scale for co-operation and co-production.

EuroGOOS Regional Task Teams have built and continue to build Regional Operational Oceanographic Systems, ROOSs. These are the operational arm of EuroGOOS



- 1. Global
- 2. Arctic
- 3. Baltic
- 4. NWS
- 5. IBI
- 6. Med Sea
- 7. Black Sea



# Regional Oceanographic Operational Systems, ROOSs

- The ROOSs are the operational units of EuroGOOS.
- The ROOSs are the units co-ordinating the observations and the data transfer to users.
- The ROOSs are the units for core forecasting services.
- ROOSs build on “heads of agency” agreements that include strong commitments. (sustainability)

# EuroGOOS and eastern Europe

- Baltic:
  - All riparian states are active in BOOS, Baltic Operational Oceanographic System
- Black Sea
  - MoU Black Sea GOOS – EuroGOOS 2001
  - Recent years direct co-operation Black Sea Commission- Helsinki Commission
  - European Commission operational oceanography projects
    - ARENA
    - ASCOBOS
    - EDIOS, SEPRISE, ECOOP, MyOcean 1+2, EMODnet PP
- Mediterranean
  - MoU EuroGOOS - MedGOOS
  - MAMA project
  - Mediterranean Forecasting System project, and follow up projects
  - Mediterranean Operational Oceanography Network, MOON (ROOS)
- WMO project brief on climate observations
- Workshop on Caspian Sea 2010

# Present EU-projects

EuroGOOS and its members continue to be involved in projects funded by the European Union.

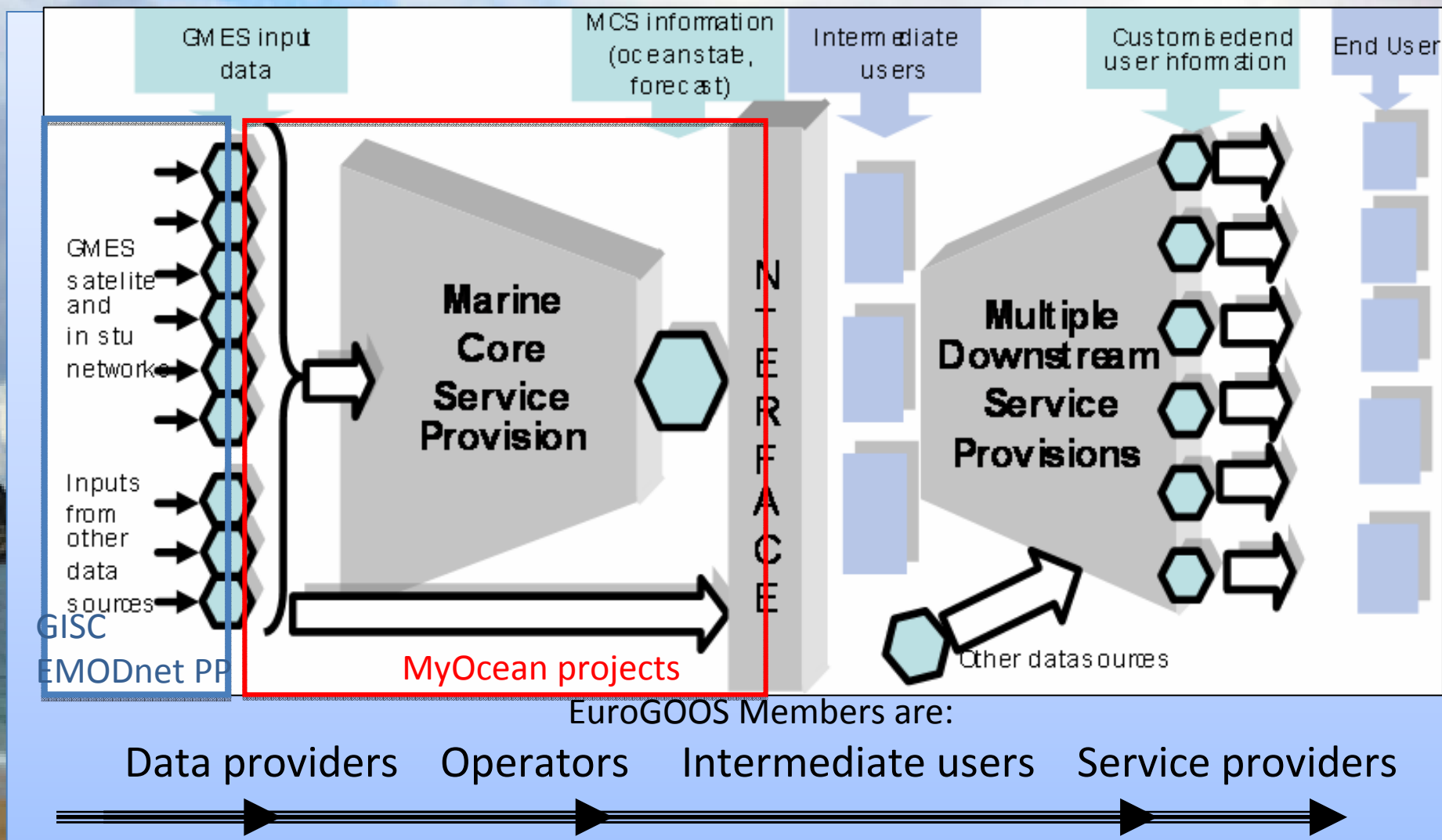
- Most important

- GMES, MyOcean 1 and 2
- GMES in situ observing system (GISC-project)
- Knowledge 2020, EMODnet (European Marine Observation and Data Network - programme). Preparatory projects.
- SeaDataNet, delayed mode data (NODCs)



# Marine Core Services (GMES)

## Global Monitoring for Environment and Security



# Marine knowledge 2020

MARINE DATA AND  
OBSERVATION FOR SMART  
AND SUSTAINABLE GROWTH



**European  
Commission**  
Maritime Affairs  
and Fisheries

**adopted 8 September 2010**

# Integrates EU initiatives into coherent whole

Data Collection  
Framework in fisheries



European Marine and  
Observation Network



Global Monitoring for  
Environment and Security



INSPIRE Directive  
Public Sector Information  
Directive

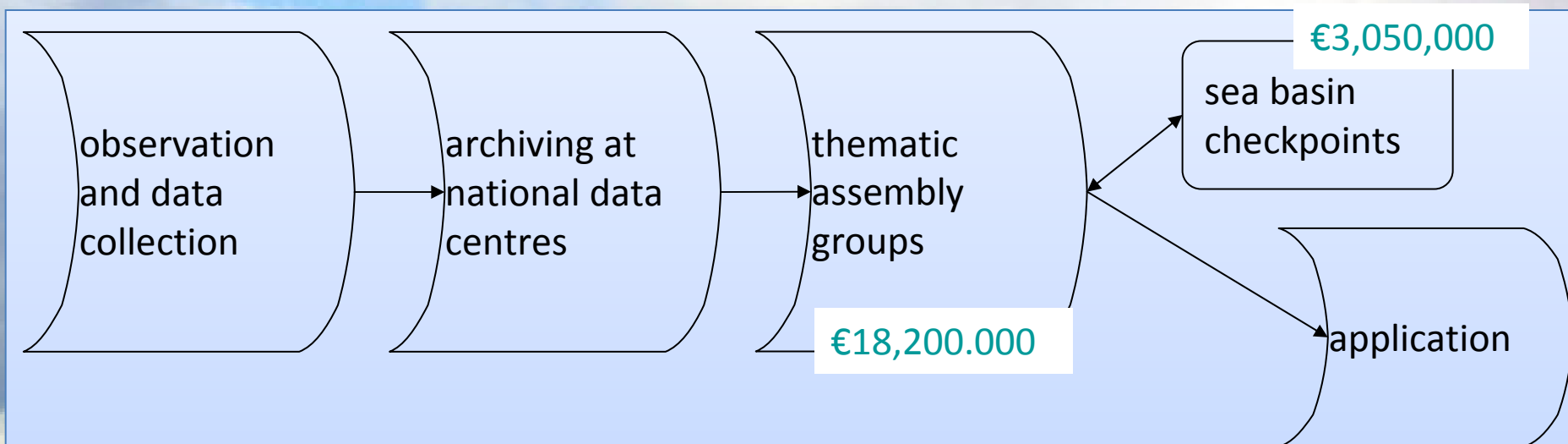


# EMODnet objectives

- 1. reduce operational costs and delays for those who use marine data and therefore:**
  - help private industry
  - improve the quality of public decision-making at all levels;
  - strengthen marine scientific research
- 2. increase competition and innovation amongst users;**
- 3. reduce uncertainty in knowledge of the oceans**

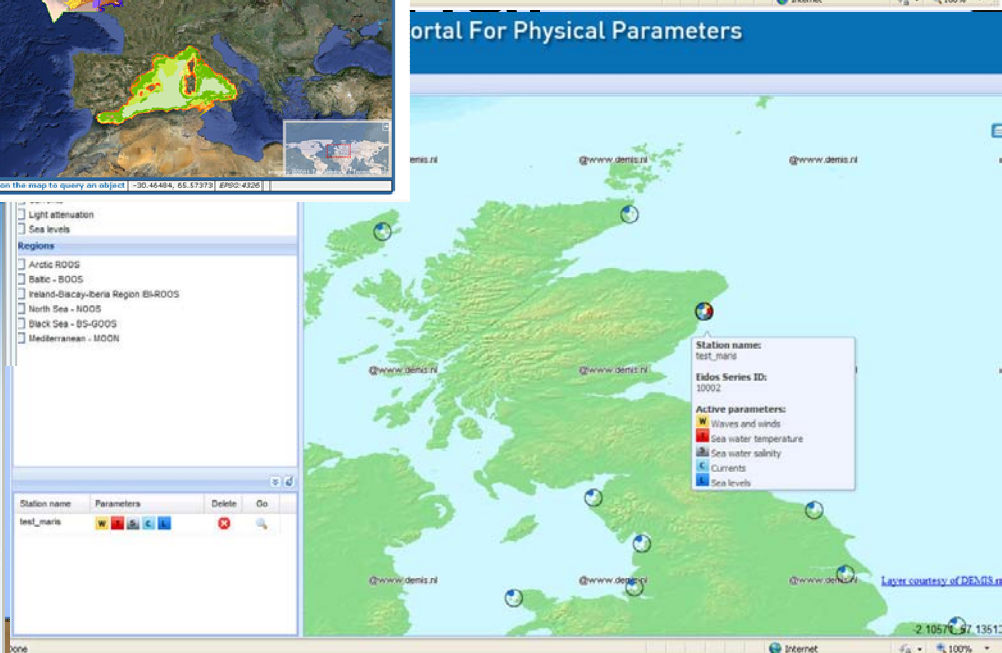
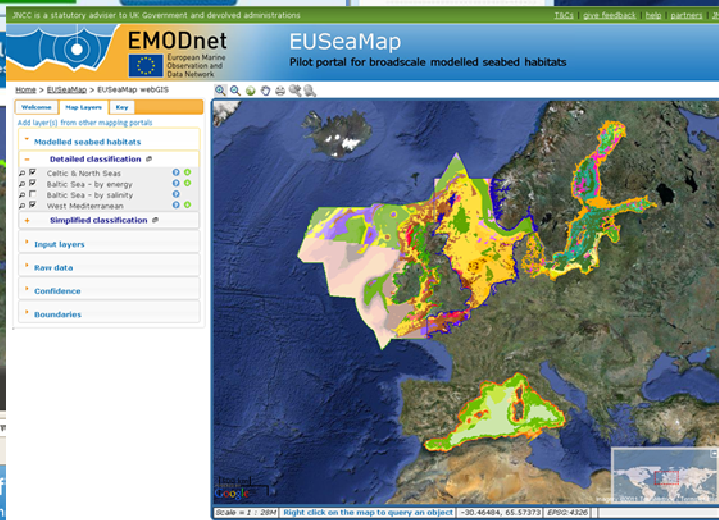
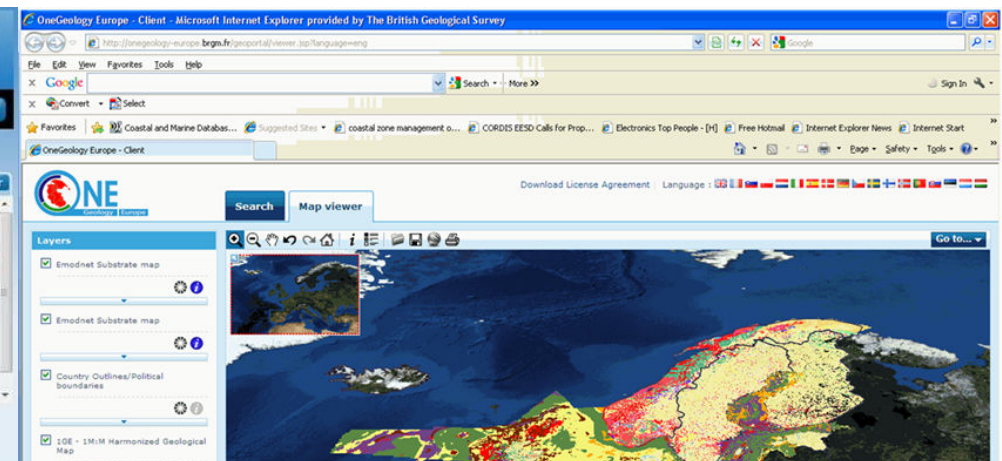


# EMODnet preparatory projects, a common architecture

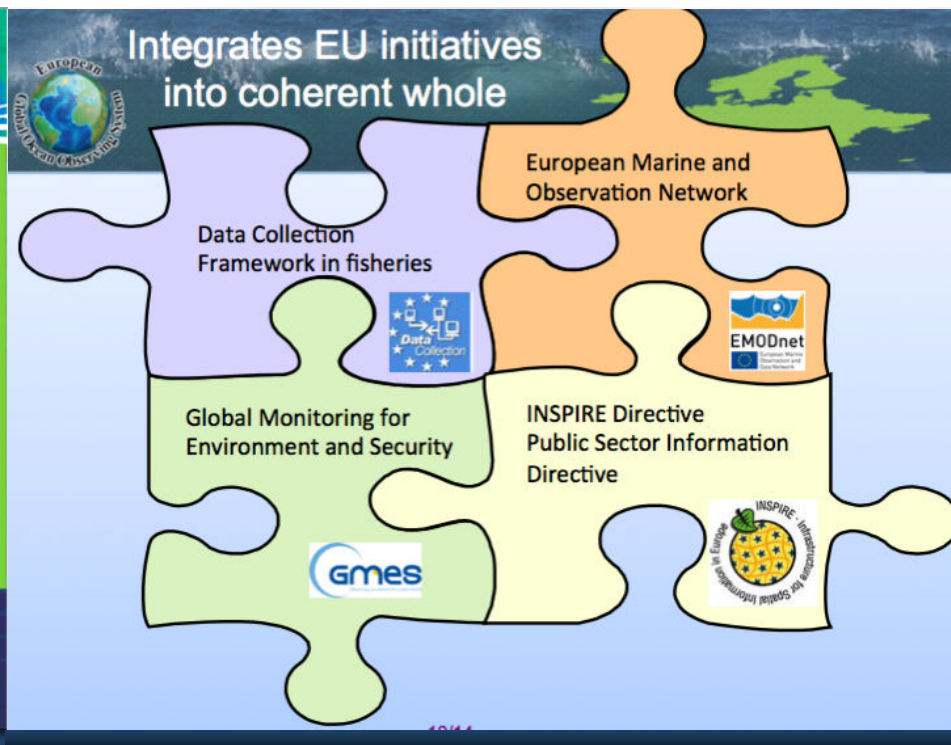


contribution of proposed financial  
regulation for maritime policy

€22,500,000 for 2011-2013







## EUROPEAN MARINE OBSERVATION AND DATA NETWORK PHYSICAL PARAMETERS

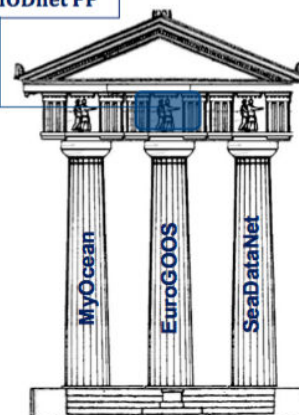
DG Mare

ETT/ENEA, MARIS, IFREMER, NERC/BODC, EuroGOOS/SMHI



## The EMODnet PP pillars

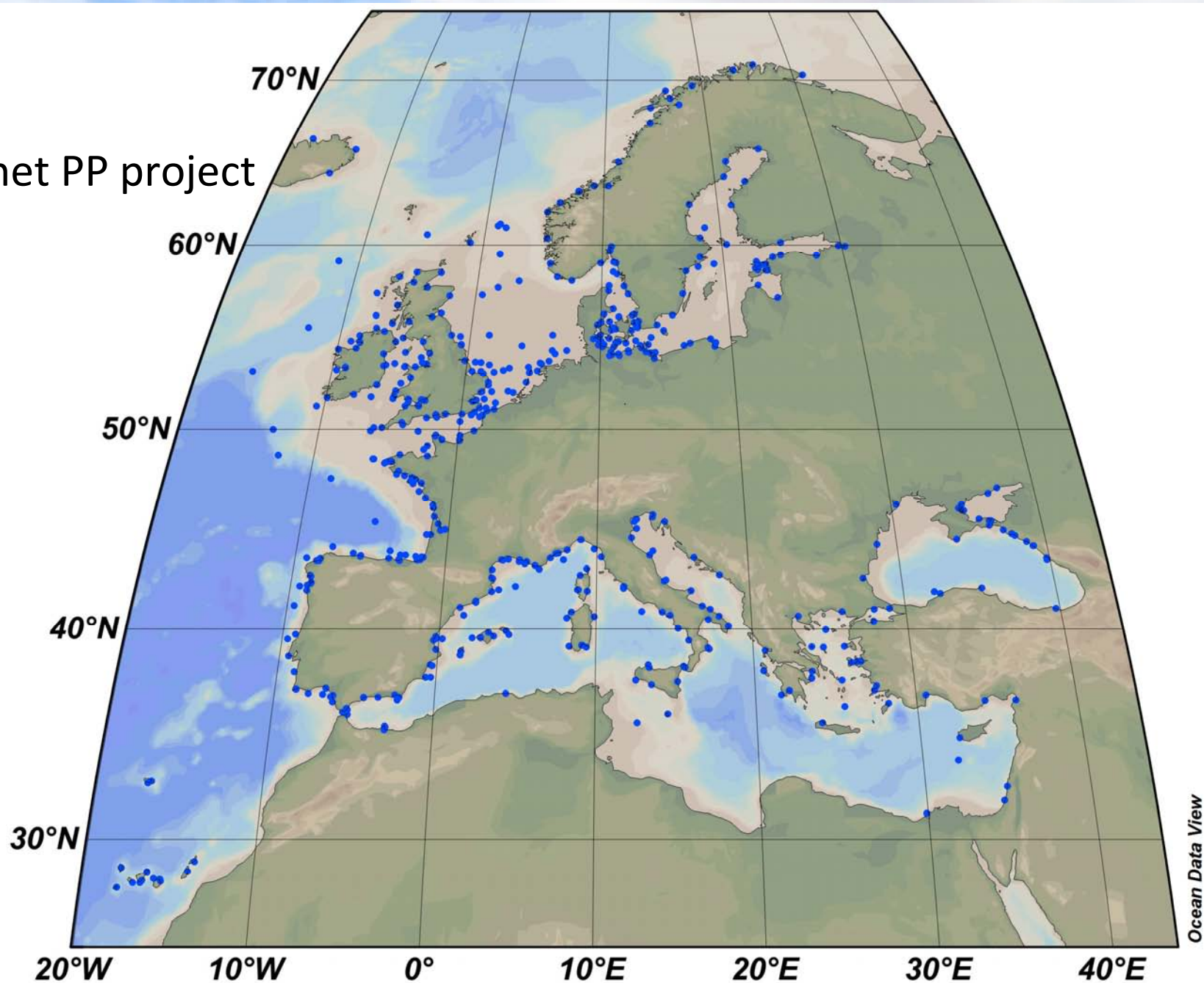
EMODnet PP



EMODnet PP aims to bridge the communities behind MyOcean, EuroGOOS and SeaDataNet in order to strengthen their position inside the Commission agenda on IS and expand in future the participation to all partners



## EMODnet PP project





Thanks for your attention