# An introduction to EuroGOOS and the development of a European Ocean Observing System (EOOS)

# EuroGOOS

Vicente Fernández, Glenn Nolan, Patrick Gorringe, Erik Buch and Dina Eparkhina

19<sup>th</sup> ERVO meeting, June 14<sup>th</sup> 2017

### Talk structure

- 1. Introduction to the EuroGOOS membership association
- 2. EuroGOOS and data: example of Research Vessel Data
- **3.** EOOS European Ocean Observing System- concept



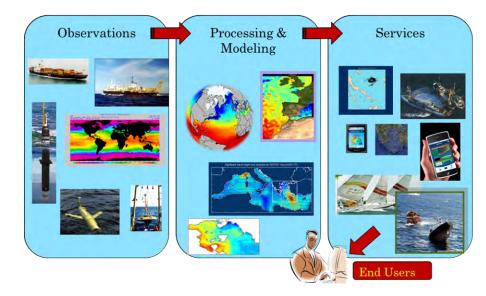
**EuroGOOS** is an association promoting and implementing **Operational Oceanography**. Ensure **sustained observations** and **models** are made in European seas underpinning a suite of fit-for-purpose **products and services for marine and maritime end-users**.



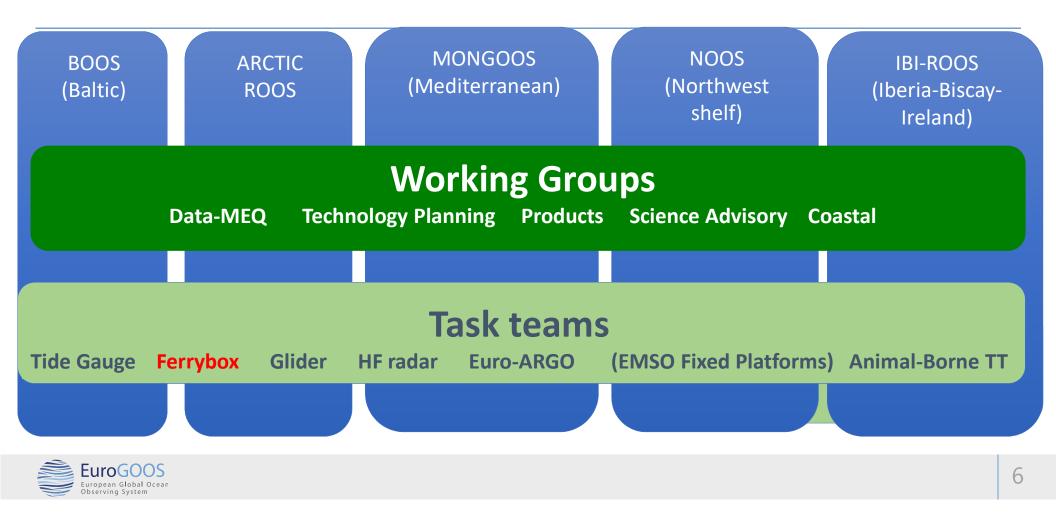
#### **EuroGOOS Objectives**

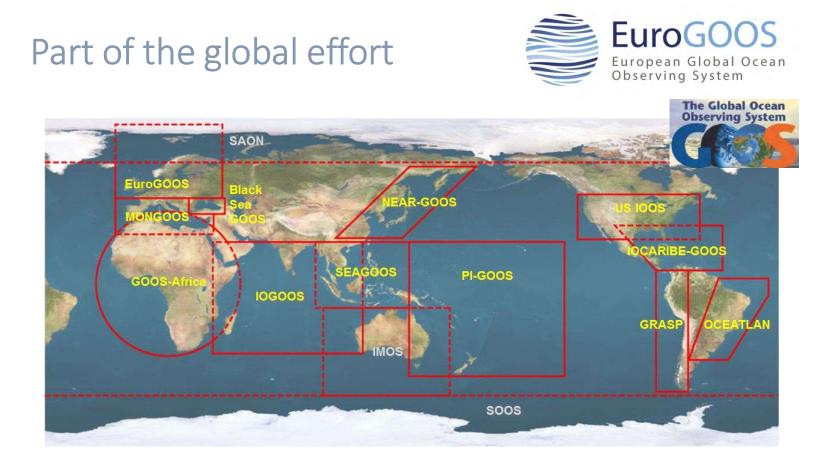


- **Strategy**: identify priorities for operational oceanography
- **Promotion**: of operational oceanography and the necessary research and technology
- **Cooperation**: at global (GOOS) and regional scales (ROOS)
- **Coproduction**: of data and model based services
- **Coordination**: of European contribution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



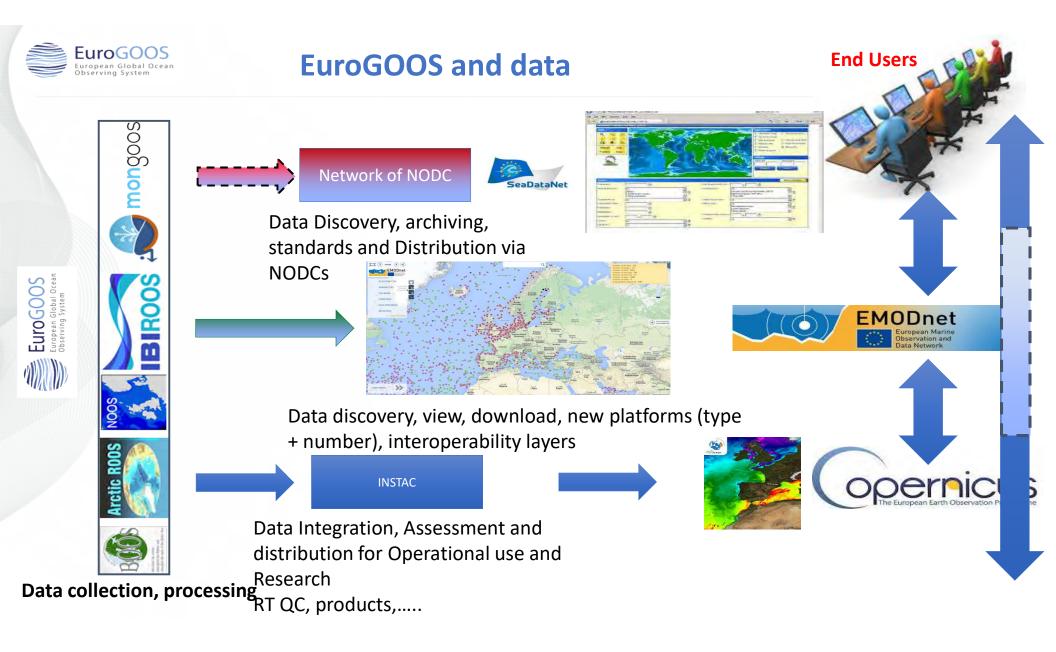
## **EuroGOOS Structure**





GOOS is a programme executed by the Intergovernmental Oceanographic Commission (IOC) of the UNESCO to:

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

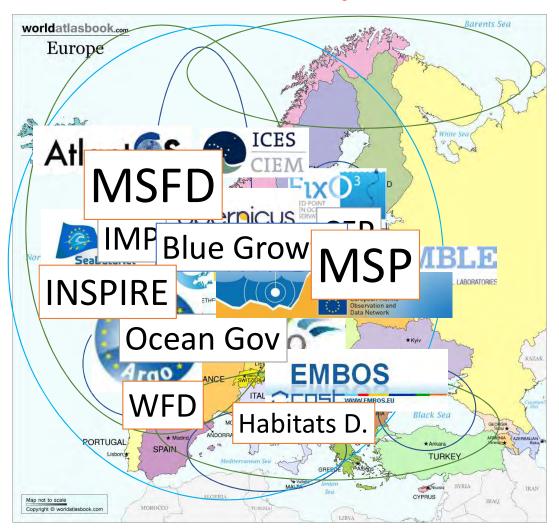






www.emodnet-physics.eu www.seadatanet.org

#### **Now in Europe**





Inclusive Common Sustained

Focal point







# **European Ocean Observing System**

A **flexible coordinating framework** to help manage and improve the existing observing effort, making it more efficient and effective at different geographical scales, and for different end-users.

EOOS aims to **unite the dispersed community** under a common vision for ocean observing to support a competitive and environmentally healthy Europe.

Identify gaps (defined in base of requirements and capacities) and foster initiatives to fill them

Align and connect existing initiatives

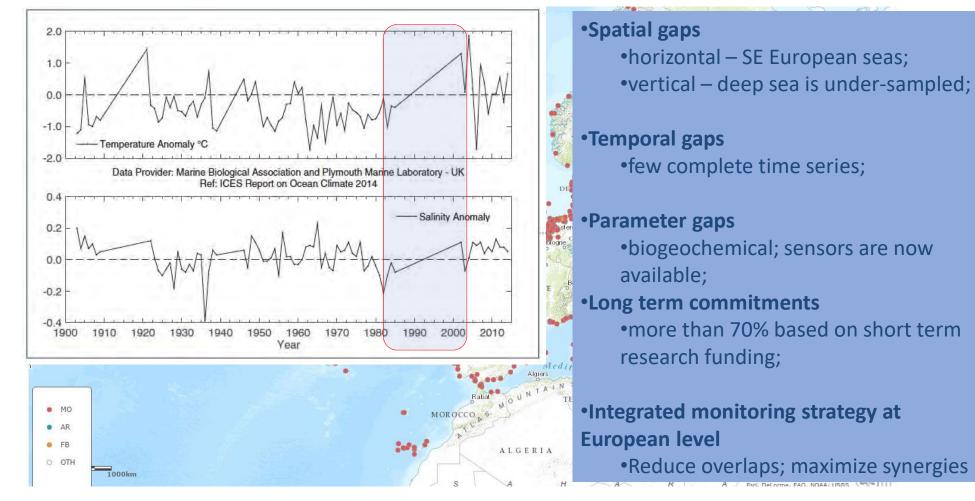


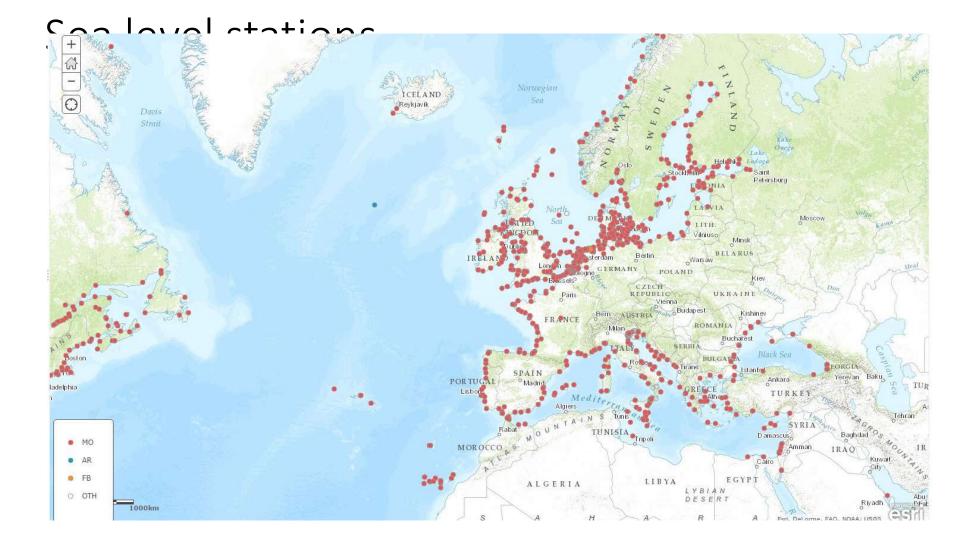


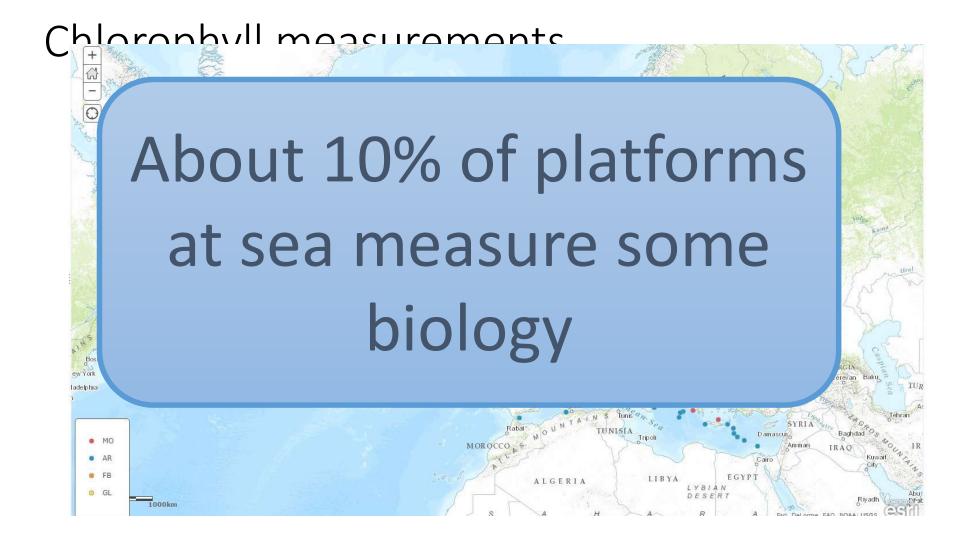
#### Identify gaps and foster initiatives to fill them



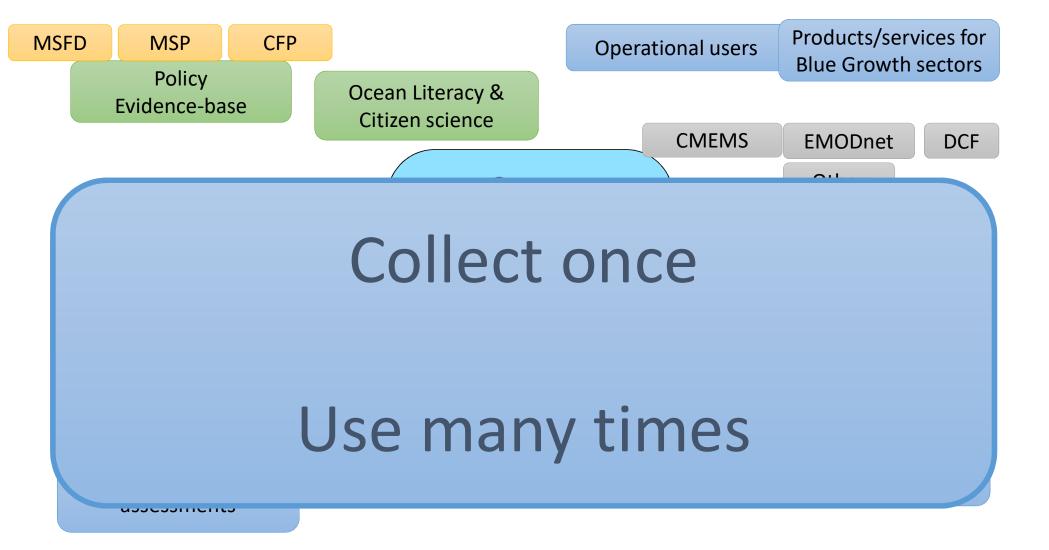
# What is missing ?







Promote capacities that benefit multiple sectors including research, policy, management and industry





ALIGNING, INTEGRATING AND PROMOTING EUROPE'S OCEAN OBSERVING CAPACITY

- Logo and Flyer: March 2016
- Cons. Document brochure: November 2016
- Website: December 2016, <u>http://www.eoos-ocean.eu/</u>
- EOOS stakeholder consultation closed in January 2017





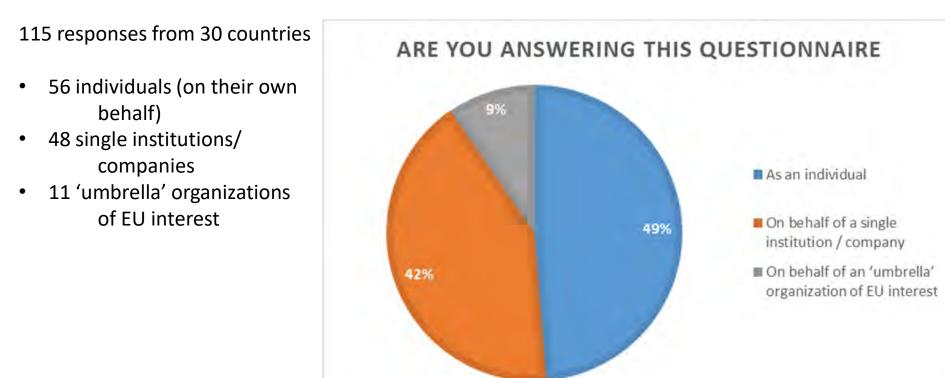






#### EOOS consultation: first results

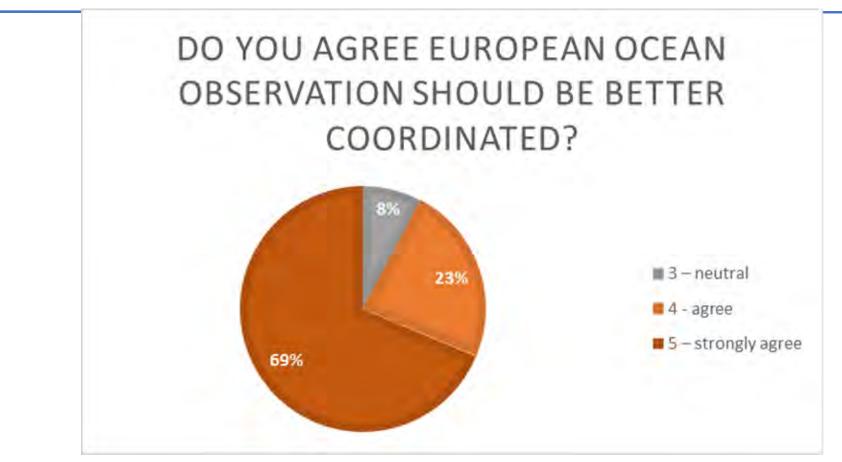
#### **Open on-line stakeholder consultation (6 weeks)**





EOOS consultation: Agreement with the EOOS concept









- Document the consultation results and disseminate (Summer 2017)
- Write strategy to cover next 18-24 months
- Write implementation plan to support strategy
- EOOS Forum by early 2018
- List of contacts for national ocean observation and marine monitoring: Call through EMB, EuroGOOS and JPI-Oceans.



#### Key points about EOOS:

- Ocean observing in Europe is done by a multitude of actors at national, regional and pan-European levels.
- The EOOS process will mobilise the ocean observing community to build a **common strategic vision and a framework for Europe**.
- EOOS is about observations and making them on a sustained basis.
- EOOS will be broader than physical data so making new alliances with biological and biogeochemical providers will be important.
- Its important to **include ERVO** in the EOOS framework.

# THANK YOU

#### ANY QUESTIONS?

vicente.fernandez@eurogoos.eu



Website www.eurogoose.eu



Twitter twitter.com/EuroGOOS



E-mail eurogoos@eurogoos.eu