EuroGOOS, EOOS and CMEMS-INSTAC
Exchange of operational data streams

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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.

- 42 EuroGOOS members
- 48 additional ROOS members
- Secretariat Office in Brussels

Institute of Meteorology and Water Management, Institute of Oceanology - Polish Academy of Sciences, Maritime Institute in Gdansk
EuroGOOS ROOSs

- EuroGOOS itself is not operational
- The ROOSs - Regional Operational Oceanographic Systems act as the operational arm(s) of EuroGOOS
- The ROOSs cooperation focus on improved national and regional services and products
- ROOSs coordinate the regional 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”
Task Teams

- EuroGOOS Task Teams are operational networks of observing platforms;
- **Promote collaboration** among European observing infrastructures;
- Task Team members **exchange open source tools**, collaborate in areas of common interest, and **jointly make European marine data available to the EuroGOOS ROOS regional data portals and hence to major EU data initiatives and data aggregators** i.e. EMODnet, SeaDataNet and Copernicus Marine Service (CMEMS);
- **Coordinate** the existing **efforts** of the individual observation communities;
- Provide an up to date picture of the reporting platforms in Europe;
- **Provides recommendations** of common operational data procedures and services (incl. data quality control, data formats and data management);
- **Brings people and communities together**, avoiding duplication of efforts
- Open for additional members

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EuroGOOS
European Global Ocean Observing System

eurogoos.eu | twitter.com/EuroGOOS
Context in European HFR community

A model for HFR data and metadata has been defined and is in the process to be implemented to become the official European standard.
**EuroGOOS & data**

Members and Task Teams generate data

Regional systems, ROOSs, collect and process

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**COPERNICUS MARINE SERVICE**

Data assessment, quality control, products for forecasting, analysis and re-analysis, climate, acting as the distribution unit to the MFCs (Marine Forecasting Centers)

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**EMODnet**

Data discovery (shopping window), download, interoperability, unlocking data

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**National Oceanographic Data Centres (NODCs)**

Archiving, common standards for metadata and data formats, services, controlled vocabularies, data products

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**GEO, WMO, GOOS**

European data package to global initiatives
Cooperation and collaboration
European Ocean Observing System (EOOS) is a coordinating framework designed to

• **align** and **integrate** Europe’s ocean observing capacity *in the long term*;

• **promote** a systematic and collaborative approach to collecting sustained information on the state and variability of our seas and global ocean; and

• **underpin sustainable development** of the marine environment and its resources
- **2007-2008**: Integrated Maritime Policy; EuroGOOS and EMB deliver a vision document on an end-to-end, integrated and interoperable network of ocean observing systems in Europe
- **2010-2014**: EOOS in various strategy and policy documents
- **2015**: EMB-EuroGOOS EOOS brainstorming workshop – 20 experts in personal capacity
- **2016**: Setting up of EOOS steering group; EOOS consultation document; European Parliament event; logo; website; materials
- **2015-2017**: Active EOOS promotion at events, conferences, exhibitions
- **2018**: EOOS strategy and implementation plan; EOOS forum and EOOS conference in Brussels
EOOS Vision
By 2030, EOOS will build an end-to-end coordinated and connected European ocean observation community that puts user needs at its centre, promoting European leadership, driven by stakeholders, and serving the needs of science, society, and innovation.

EOOS Guiding Principles
Efficient and fit-for-purpose; Connecting communities; Innovative and adaptable; Stakeholder-driven; Sustainable

Main focal areas

• Better Coordinated and Sustained In Situ Ocean Observing System
• Close association with the ocean modelling and satellite observation communities to ensure full integration and responding to user needs
• Work from EOVs (Essential Ocean Variables)
• Non-EOVs (other relevant variables, e.g. bathymetry)
• Integrated Ecosystem Approach: from platform-specific observing to multi-platform, integrated and thematic observing
How to get on board?

• EOOS for and by stakeholders. Inclusive and bottom-up. While seeking and hoping to secure political and funding support

• Strategy and Implementation plan consultation open on 25 April

• Subscribe to EOOS mailing list at www.eoos-ocean.eu/contact/

• Website for all info www.eoos-ocean.eu