

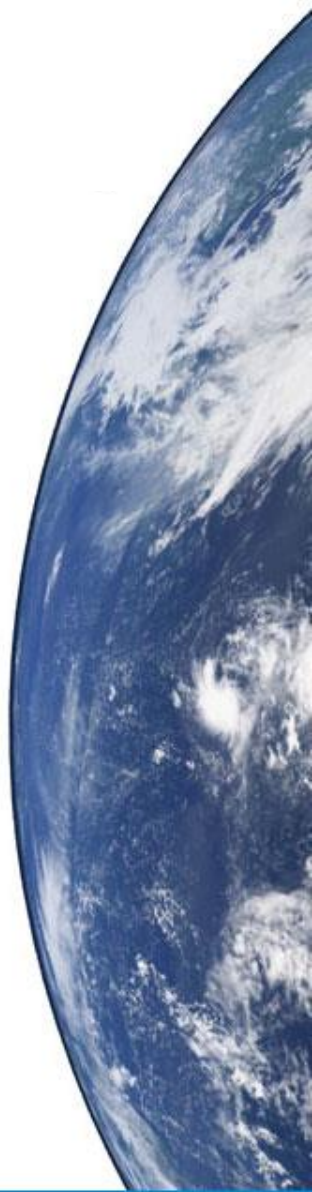


EuroGOOS
European Global Ocean
Observing System

GRA Background Report **EuroGOOS AISBL**

Inga Lips

*GOOS Regional Forum-10
Virtual*



UNESCO



IOC



WMO



UNEP



ICSU

General information

- GRA leadership (Chair/coordinator) and contact: Inga Lips, Secretary General / Henning Wehde, Board Chair
- Secretariat: 6.5 staff based mainly in Brussels
- Website: www.eurogoos.eu
- Membership: 44 members in 18 European countries
- Terms of Reference: statutes, strategy and ToRs for individual elements (TT, WG)
- Key Partners: Members, EC, EEA, CMEMS, EMODnet
- Key Projects: H2020 projects EuroSea (observation coordination and sustainability), Jerico S3 and DS (coastal infrastructure development), DOORS (Black Sea), INTAROS (Arctic)
- Funding characterization: mixed model: member fees + EU projects + tenders
- Meetings: General Assembly + associated meetings + conference

Success 'Stories'

1. Launch of the EuroGOOS 2030 Strategy and the EuroGOOS 9th Conference
2. 1st EuroSea Tide Gauge Network Workshop
3. Establishment of the EOOS Operations Committee
4. EOOS European GOOS National Focal Points Survey
5. EuroGOOS Ocean Literacy activities
6. Active EuroGOOS platform specific Task Teams

Success - 1

- Launch of the [EuroGOOS 2030 Strategy](#) on 3 May 2021 at the [EuroGOOS 9th Conference](#)

The new EuroGOOS strategy 2030 is underpinning the implementation of the full GOOS scope in the EuroGOOS activities, spanning operational services, ocean ecosystem health, and climate.



Success - 2

- **1st EuroSea Tide Gauge Network Workshop (12-14 January 2021)** organised by the **EuroGOOS Tide Gauge Task Team**.

Event brought together the global tide gauge community to share experiences, exchange information on recent activities, and discuss ways to overcome the challenges across different geographical regions, while ensuring an effective coordination and communication with the Global Sea Level Observing System (GLOSS).



Success - 3

- **Establishment of the EOOS Operations Committee** (November 2020), representing the diversity of the ocean observing implementers at national, regional, and pan-European levels

The committee's role is to help with the integration and long-term sustainability of the ocean observing efforts in Europe. Besides the GOOS National Focal Points from Europe, an integral part of this committee, European Research Infrastructures and EuroGOOS structures (Regional Operational Oceanographic Systems and Task Teams), as well as European earth observation agencies, research vessel operators and network of marine stations are represented. Two successful meetings held, third meeting on 15 September 2021.




European
Ocean
Observing
System

Operations Committee

Success - 4

- **EOOS European GOOS National Focal Points Survey: Funding and Coordination across Ocean Observing and Marine monitoring in Europe**

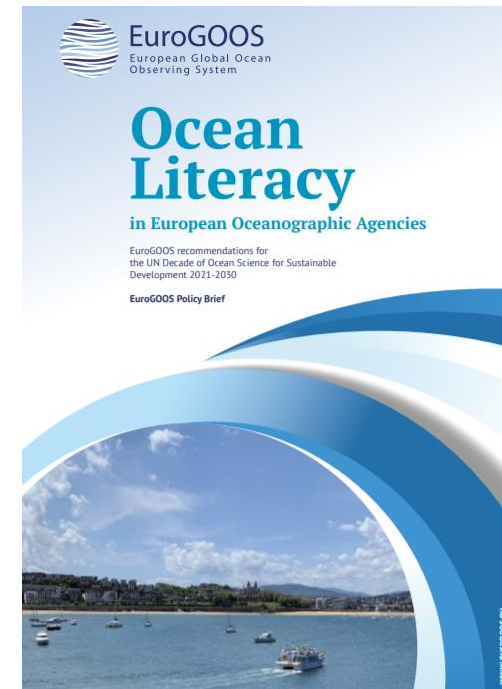
This report is an analysis of the survey responses provided by the Global Ocean Observing System (GOOS) National Focal Points for Europe on coordination and funding for ocean observing and marine monitoring from a national perspective across Europe. A total of 26 GOOS national focal points for Europe responded.



The production of this report was supported by the EuroGOOS and the EC funded EuroSea project.

Success - 5

- **The EuroGOOS Ocean Literacy Network/WG** contributed to the 1st [Ocean Literacy Course](#) (17 February 2021) organized within the UN Decade of Ocean Science for Sustainable Development 2021-2030
- [EuroGOOS Policy Brief](#): Ocean Literacy in European Oceanographic Agencies – Recommendations for the Ocean Decade
- [Scientists for Ocean Literacy](#) – EuroGOOS activity as part of the Ocean Decade Inspiring & Engaging Lab



Success - 6

- **Establishment of EuroGOOS Glider Task Team (June 2020)**

The EuroGOOS glider task team is composed of members of European glider groups from every region (ROOS). The TT aims at bolstering scientific collaboration and information resources to address the sustained observations, technology development, data management and support to EU policies and Ris.

- **Re-establishment of EuroGOOS Fixed Platform Task Team (March 2021)**

The FP TT is one of the key communities of practice within EuroGOOS and its member institutes dealing with planning, deployment, maintenance, and sustainability issues of fixed platforms in European open and coastal seas, being a major contributor to European ocean observing that deliver data to the major European data aggregators, e.g., CMEMS, EMODnet and SeaDataNet.

- **EuroGOOS HF Radar Task Team** is active and group is growing

The TT is providing a European HFR operational network delivering data and products for science, environmental management, and operational needs. It regularly issues [newsletters](#) on its activities.

Challenges

The main challenges were connected with the **COVID pandemic** and related restrictions:

- **Postponement / cancellation** of workshops, RV cruises, deployments (e.g. gliders), servicing (e.g. fixed platforms), operation (e.g. ferrybox).
- **Gaps and duplications on tide gauge data portals** – Different international data portals deal with different temporal sampling, latencies, quality control and processing, depending on their main application. Having unique identifiers for tide gauges would help data aggregators confirm the level of processing that a dataset has undergone and offer products from the same location for multiple purposes.
- **Glider missions in EEZ** of neighbouring countries are still not regulated, hampering gliders' use and co-operation between states in the region, e.g. in the Baltic Sea where there are no international waters.



In what areas would the GRA like to be more active: Core GRA Activity?

Value chain element	What resource would be needed?
Observations implementation	<p><u>Activity:</u> Through members, overarching guidance on gaps, sustainability, and user requirements, e.g. EEA, CMEMS.</p> <p><u>Needs:</u> Despite mature system in Europe, many observations are not sustainable. Better connection with national decisionmaker, e.g. EOOS OC linked to GOOS NFP, EOOS Resource Forum under development</p>
Data management	<p><u>Activity:</u> Guiding data policy (DataMEQ WG)</p> <p><u>Needs:</u> Agreed new data policy (2022), implementation by H2020 and HE projects</p>
Forecasting	<p><u>Activity:</u> Links to CMEMS and downstream services of members</p> <p><u>Needs:</u> Continued development of downstream activity, increased data availability</p>

In what areas would the GRA like to be more active: Core GRA Activity?

Value chain element	What resource would be needed?
Service / information delivery	<p><u>Activity</u>: Through members</p> <p><u>Needs</u>: Continued work on requirements and acting as conduit between users and service providers, good communication to the wider public is needed</p>
Capacity development of members	<p><u>Activity</u>: Bilateral CD by member institutes</p> <p><u>Needs</u>: Inventory of bilateral activity and opportunities are needed</p>
Outreach / ocean literacy	<p><u>Activity</u>: Ocean Literacy WG established in 2019</p> <p><u>Needs</u>: Expanded participation and cooperation with European (e.g. EU4Ocean Coalition) and international initiatives (e.g. UN Ocean Decade programs)</p>

Opportunities Across GOOS Strategic Objectives

- Deepening Engagement and Impact
1, 2, 3, 4
- System Integration and Delivery
5, 6, 7
- Building for the Future
8, 9, 10, 11



Opportunities Across GOOS Proposed Decade Programmes

- Observing Together

Contributing to the communication of OO benefits to the community through EOOS and EuroGOOS activities and structures, involvement of public to OO.

- Ocean Observing Co-Design

Contributing to the development of European OceanOPS to monitor the plans and measuring capability to advance integration and co-design.

- CoastPredict

Strengthen partnership and coordination of observing and modelling capabilities.

END



Ocean health

Climate

Operational services

