

# EuroGOOS projects completed in 2022 and ongoing

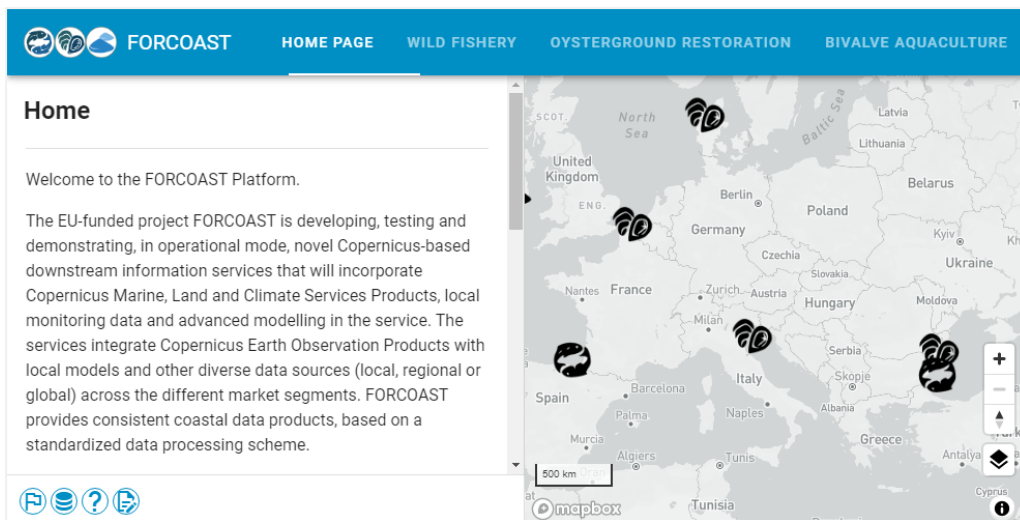
EuroGOOS GA, 30-31 May 2023

Completed

1 November 2019 - 31 October 2022

- Organized the final FORCOAST Conference, RBINS, Brussels, 5 October 2022

### FORCOAST service pilots at the Coastal WG website



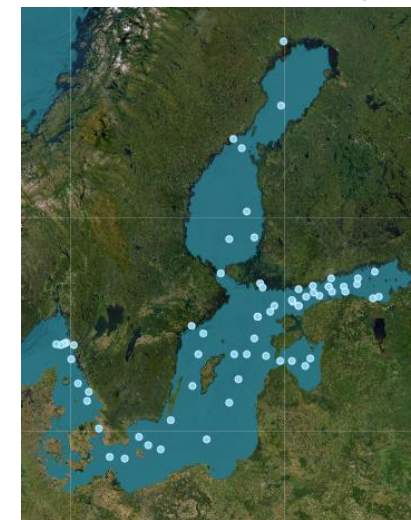
Ongoing

## 2<sup>nd</sup> Service Contract: May 2022 – July 2023

**Consortium:** EUMETNET (lead), EuroGOOS, NILU

As Leader of **WP on Marine Regional and Coastal Services**, EuroGOOS has established contracts to perform the following tasks:

- **IFREMER** performed an exhaustive comparison of the differences in in situ platforms available in Copernicus Marine In Situ TAC and EMODnet is in progress -> identification of in situ platforms (real time and historical) present in EMODnet portals and not in Copernicus → Report will be delivered
- **SMHI** has put in place an automatic harvesting of CTD vessels observations in the Baltic Region, so data immediately are fetched, QC'd and delivered to Copernicus Marine (in NRT) → already in place for SMHI, TALTECH and SMHI.



Screenshot from marineinsitu.eu (2023-05-09), showing CTD-profiles in the Baltic Sea during the last 30 days.



## 2<sup>nd</sup> Service Contract: May 2022 – July 2023

As ocean leader on the **Copernicus In Situ Component Information System (CIS<sup>2</sup>)** WP, EuroGOOS has:

- **Inserted and updated the information on marine products, marine in situ data access and marine data providers** in the Copernicus in situ database – **EuroGOOS members and EuroGOOS ROOSes** are included in the database as Data providers or Data providers Networks – Information in the Country Reports

- Conversations with Mercator Ocean International to co-organize an **online workshop to update the Copernicus Marine requirements for the in-situ observing system (14-15 September 2023)** - inviting TACs/MFCs representatives, EuroGOOS ROOSes/Task-Teams representatives, and ERICs – implication for the European Ocean Observing System (EOOS) and coastal observatories

Copernicus In Situ Component Information System (CIS<sup>2</sup>)

About Products Requirements Data **Data providers** Reports

### Data providers

#### FILTERS

Provider type:  Is network:  State:  Component:

Save as PDF

Save as Excel

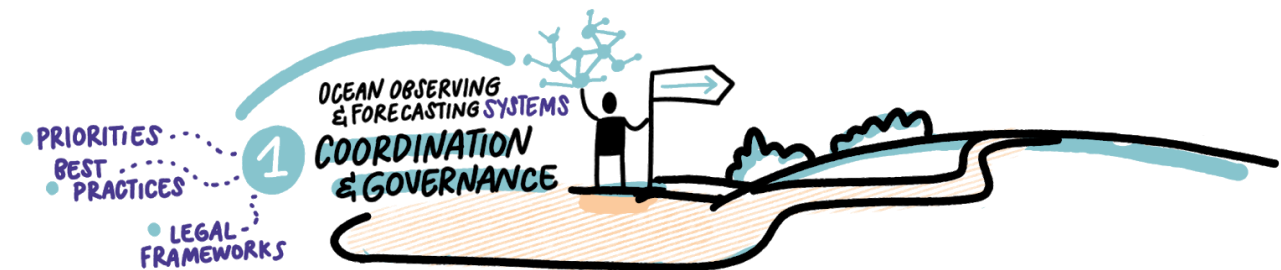
Show  entries

Name	Acronym	Edmo	Ad
EuroGOOS Arctic Regional Operational Oceanographic System	ArcticROOS		
EuroGOOS Baltic Operational Oceanographic System	BOOS		
EuroGOOS Ireland-Biscay-Iberia Regional Operational Oceanographic System	IBI ROOS		
EuroGOOS North West European Shelf Operational Oceanographic System	NOOS		
European Global Ocean Observing System - EuroGOOS	EuroGOOS	4585	Rue

## WP1: Governance and Coordination of ocean observing and forecasting systems (Co-Lead)

### Work on implementation on EOOS continued:

1. The **EOOS Strategy 2023-2027** with the Roadmap of Implementation were prepared and launched (launch webinar on 2 March 2022).
2. EOOS Operations Committee (OC) had two meetings to discuss the priorities and steps forward. Establishment of a **European OceanOPS (EOPS)**, a game-changer service in Europe, enabling the assessment of the performance of the observing system, and finding opportunities to collaborate and coordinate, has been taken forward by applying EU funding (AMRIT proposal).
3. Contributed to organisation of EuroSea/OceanPredict **Workshop on Ocean Prediction and Observing System Design**.
4. Participated and presented the previous studies on funding and sustainability challenges in the EuroSea foresight workshop "**Ensuring accurate climate-related predictions in Europe by 2035**", organised by the European Marine Board.



## WP3: Network Integration and Improvement
















EuroGOOS Task Teams have contributed and benefited from their participation in WP3

### Co-organization of workshops:

- European **glider data workshop** (in June and July 2022), as a joint activity between Glider TT GROOM-II and EuroSea
- Second **EuroSea Tide Gauge Network** Workshop, an hybrid event hosted by Puertos del Estado, Spain, took place on 4-5 May 2023.
- EuroGOOS **HFR Task Team meeting** was held as a side event of the MONGOOS General Assembly in November 2022

**DATAMEQ WG** have contributed and benefited from their participation in task 3.10, where partners are developing a **Deliverable on Network Harmonisation recommendation**, that will provide guidelines on the implementation of FAIR Principles.

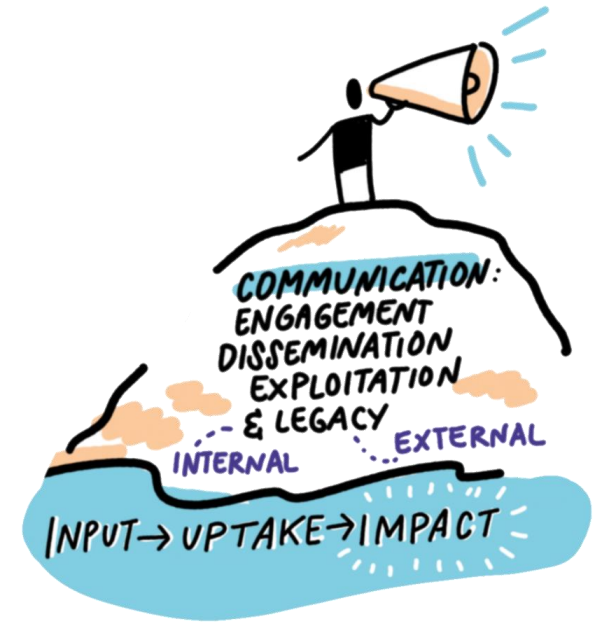
The report on **Observing Networks Final Assessment** will be delivered in June 2023. This Deliverable will inform on the status (weakness and strengths) of the EuroGOOS observing networks in reference to the international (GOOS) context

	European networks	Global networks
HF Radar		
Glider		
Fixed Platforms		 
Autonomous Surface vehicle	Not established yet	
Profiling floats		
Research ships		
Commercial ships	 + ...	
Tide gauges		



As WP8 Lead, EuroGOOS key contributions in the reporting period are:

- WP8 coordination including the project’s engagement, dissemination, exploitation, and impact assessment.
- Lessons learnt on **science-policy interface** in ocean observing and forecasting – **Deliverable 8.3 submitted and accepted**. The report takes a look at EuroSea activities at various geographical levels and gives a set of recommendations towards improving the **science-policy interface**.
- Promotion of **early career scientists** through contributions to several activities and a brochure aiming to present the students with possible career paths in the EuroSea domains.
- Management of **the website and social medial** and publication of news articles.
- **Impact monitoring** reporting, protocol, webpages.
- Co-organization of the third **EuroSea Anniversary Webinar in November 2022** (<https://eurosea.eu/news-and-events/>). The webinar discussed the EuroSea impacts across innovation, governance, and international cooperation.
- Co-organization and hosting of the **EC review meeting** in Brussels, February 2023.



1 February 2020 - 31 January 2024 - **Extended 4 months**

Strategic Role: Supports EuroGOOS strategy on coastal ocean observations and open and free data exchange.

## **EuroGOOS Contribution**

### **WP9: A sustainable JERICO-RI: Preliminary design towards implementation**

A collaboration with IFREMER (WP9 Lead) was in place to finalise the **Jerico User Committee** Terms of Reference and to continue towards developing the Jerico User and stakeholder Strategy and JERICO Business Plan (in coordination with JERICO DS WP4).

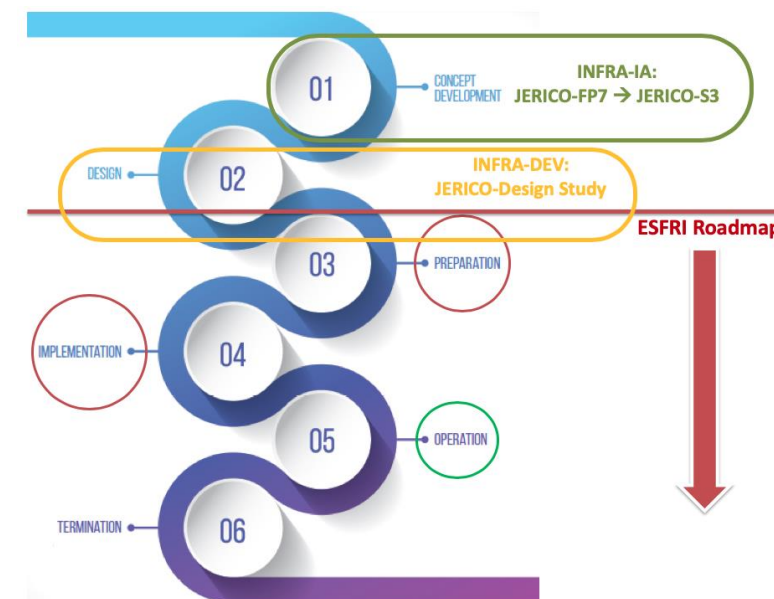
1 October 2020 - 30 September 2023 – **Extended 4 months**

**Strategic Role:** Supports EuroGOOS strategy on ocean observations and data exchange, coastal WG and implementation of EOOS

## WP4: Sustainability

Meetings with Marine Institute (Leader of WP4) and Ifremer (leader of JERICO-S3 WP9) were held to prepare the Milestone and Deliverable:

- MS.23 - “RI user/stakeholder community, access units and access modes described”
- D.4/1 - “User/Stakeholder Strategy”



As **WP8 Lead**, EuroGOOS key contributions in the reporting period are:

- Oversee **stakeholder engagement** for DOORS knowledge base, blue economy, and capacity development activities.
- Attended the 2nd **General Assembly**, June 2022, Burgas, Bulgaria & organized stakeholder eng. workshop.
- **Report on stakeholder mapping and requirements** – Deliverable 8.2 submitted and accepted.
- Co-organized a session on the benefits of marine research infrastructure cooperation for the Black Sea science and blue economy and promoted the EuroGOOS strategy, activities, and the regional systems (ROOS), at the **international Marblue Conference** in Constanta, November 2022.
- Launched and co-chair with the DOORS work package leader for communications a **DOORS Ocean Literacy Network**, which will build on the achievements of the EuroGOOS OLWG approach to strengthen the scientific advocacy to society.
- Developed terms of reference for the DOORS **foresight committee**.
- Contribution to the DOORS **dissemination** through the website, social media, and newsletters.
- Co-organization and hosting of the **EC review meeting** in Brussels, March 2023.

## January 2023- June 2026

Blue-Cloud 2026 aims to the creation of a Federated European Ecosystem to deliver FAIR & Open data, analytical services, instrumental for deepening research of oceans, EU seas, coastal & inland waters.

The main EuroGOOS role is to co-organize (together with OBPS and OTGA) internal and external training courses on Best Practices for **FAIR data principles**, aimed at informing and educating data providers and users on FAIR principles and how to make best use of existing European RIs and data services for long-term data stewardship and wider use and sharing of FAIR data.

**WP6:** Outreach, engagement, and education - EuroGOOS Office contributed to Deliverable D6.1 - Communication, Dissemination, Outreach and Education Plan, submitted in March 2023.

# All Ocean Obs (CINEA tender)

**August 2022 - November 2023**

Study for **reporting obligations for ocean observations**.

**Coordinator: EuroGOOS**, Partners: ICES, SSBE, SMHI, SHOM, ETT, GEOMAR

**Linked to the upcoming EC initiative ‘Ocean observing – sharing responsibility’** which aims to achieve a coherent approach to European ocean observation. Project developments are being closely followed by DG MARE and other DGs. Outputs from the project may potentially be tools for the future implementation of the EC initiative.

**Delivered up to May 2023:**

- Project inception, interim and progress (x3) reports.
- Report on similarities, differences and the degree of detail between reports from different bodies or EU Member States (SMHI+Partners)
- Summary report on the use of global, European or sea-basin standards in observation of physical, chemical, biological, geological or bathymetrical parameters (GEOMAR+Partners)
- Comprehensive set of observation plans from two EU Member states (France and Sweden).
- 1st and 2nd drafts of reporting template for ocean observing plans, instruction manual and prototype online map viewer have been developed.
- Report on the scope of the reporting template.
- Stakeholder consultation activities, including stakeholder mapping and planning for a consultation workshop are underway. Stakeholder Workshop (online) planned for 20th June.

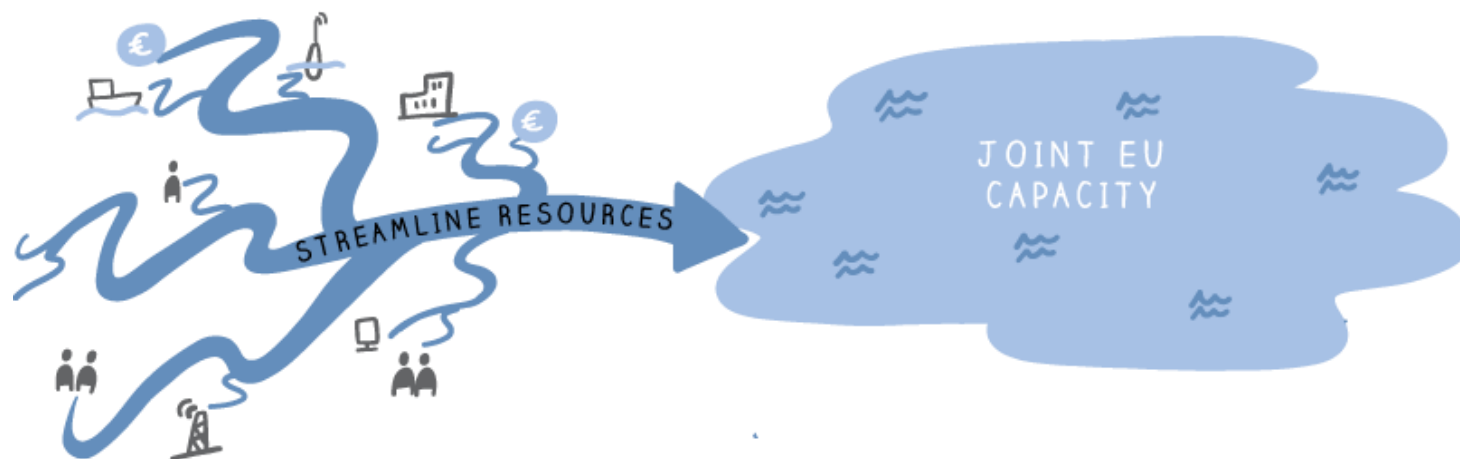
June 2022 – May 2023: **2.82 PM**

# Proposals

## **EuroGOOS Office participated in the preparation of the following proposals:**

- **AMRIT** (Advance Marine Research Infrastructures Together) Call: HORIZON-INFRA-2023-DEV-01-04, Coordinator: ARMINES. Project will improve coordination between marine ERICS, ESFRI landmarks and other infrastructures, working towards better harmonisation of operations including planning, deployments, monitoring, and data management. An ‘EOOS Technical Support Centre’ will be established, with a helpdesk for operators using tools and services. Aims to implement the ‘**European OceanOPS**’ idea and a significant part of the EOOS Roadmap for Implementation 2023-2027.
- Closing the research gaps on **Essential Ocean Variables (EOVs)** in support of global assessments (Call: HORIZON-CL6-2023-CLIMATE-01). Office is a partner in proposals for all three options within the same call, with tasks focused on clustering of initiatives between the three proposed projects and coordinated communication of policy-relevant recommendations from each to maximise impact and results. Clustering efforts to help sustain the legacy of the projects after they end.
  - Option A (Physical) **ObsSea4Clim** – Coordinator DMI, Denmark
  - Option B (Biogeochemical) **BG-OCEAN** - Coordinator GEOMAR, Germany
  - Option C (Biological) - **BioEcoOcean** – Coordinator Uppsala University, Sweden
- **FOCCUS** (Forecasting and observing the open-to-coastal ocean for Copernicus users) Call: HORIZON-CL4-2023-SPACE-01-34 Copernicus for Marine Environment monitoring proposal. Coordinator: Hereon, Germany. Aims to design and demonstrate the feasibility of a platform for the integration of Copernicus Marine Service products with European coastal monitoring and forecasting systems developed at the national and local level. EuroGOOS office leading a task on performing an Inventory of Member States operational coastal forecasting systems.





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