



**EuroGOOS**  
European Global Ocean  
Observing System

# EuroGOOS updates

Inga Lips  
EuroGOOS Office



# EuroGOOS

Strategy



## *Vision*

**SUSTAINED  
OCEAN OBSERVING**  
and operational oceanography services  
that benefit the European society  
and are supported by it.

## *Mission*

**TO LEAD**

the development and implementation  
of sustained and coordinated operational  
oceanography across Europe.

**1**  
**STIMULATE**  
communities of practice.

**2**  
**ADVOCATE**  
for coordinated and integrated  
European ocean observing and  
operational oceanography.

**3**  
**STRENGTHEN**  
and expand partnerships.

**4**  
**PROMOTE**  
sustainability across the  
value chain of operational  
oceanography and ocean  
observing.

**5**  
**MOBILISE**  
the public on the  
importance of the ocean  
and oceanographic services.

# EuroGOOS Strategy Implementation

## Relevant activities for ROOS in the IP:

### SO1

#### 1.1 Strengthen and integrate EuroGOOS ROOS, TT and WG

- Review ROOS membership
- Revise ROOS MoU
- Develop case studies of EG organizational integration

#### 1.2 Maintain a forum for exchange of BP in operational oceanography

- Facilitate linkage of ocean observing and forecasting to define priorities
- Boost synergies across all sectors
- Support timely delivery of data to services
- Enhance international cooperation and interoperability, re-usability and capacity development

### SO2

#### 2.2 Lead the EOOS framework and create mechanisms for co-design with end users

- Contribute to European Ocean Observations System design

### SO3

#### 3.1 Promote earth system approach and seamless services

- Support development and implementation of seamless modelling strategy

#### 3.2 Advance existing partnerships to enhance NRT data delivery

#### 3.4 Develop partnerships with networks engaged in ocean health and climate observation and forecasting

- Improve synergies between these communities

#### 3.7 Continue joint efforts with global programs

- Support continued engagement with OceanOPS
- Support implementation of OceanObs 19 action plan

### SO5

#### 5.3 Promote citizen science and help integrate it into projects/ocean observing value chain

#### 5.4 Promote diversity and inclusion and adequate life-long training

- Engage with early careers
- Improve diversity and inclusion in EG activities
- Contribute expertise to life-long capacity development programs



# EuroGOOS

Events / Publications / Websites

# EuroGOOS 9<sup>th</sup> International Conference

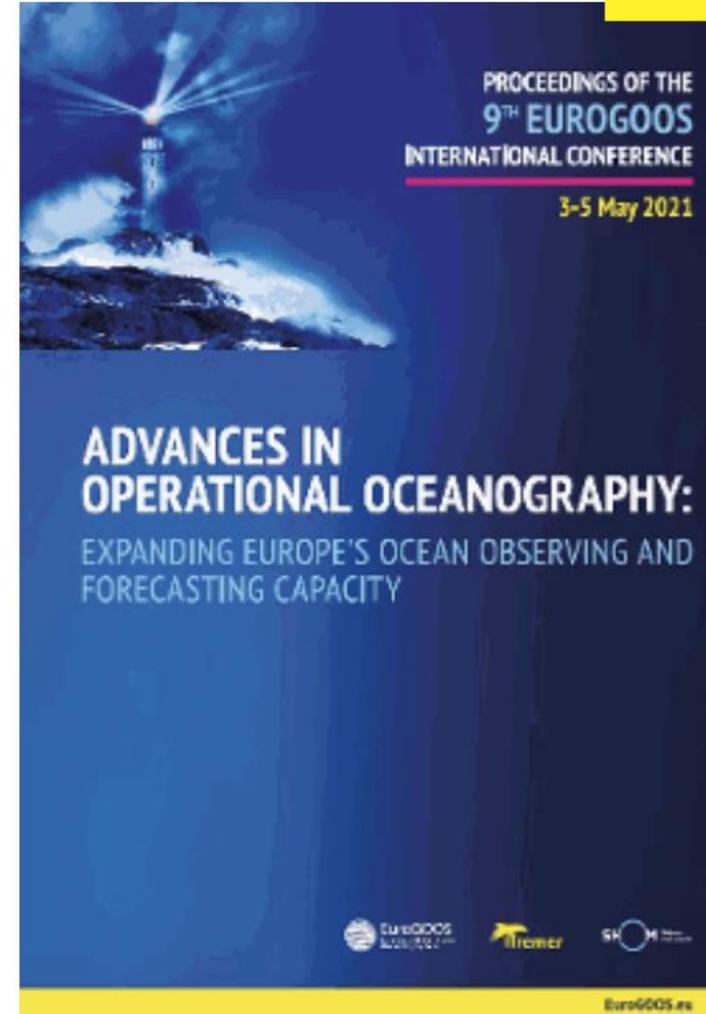


Ifremer



First virtual conference

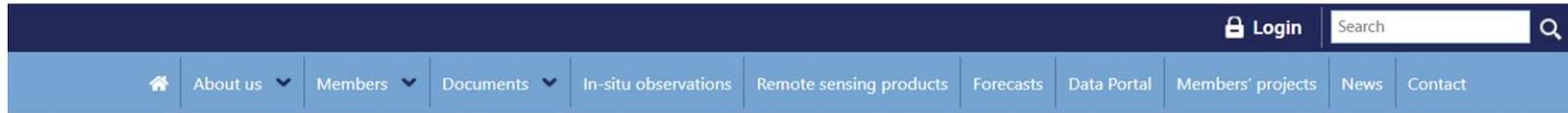
- ~500 participants
- 45 countries
- 90 scientific presentations
- 22 posters



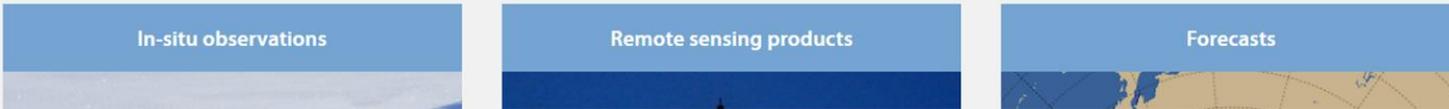
[Conference website](#)  
[Conference Proceedings](#)



# EuroGOOS ROOS websites/identity



Arctic Regional Ocean Observing System – a regional node under EuroGOOS, the European Global Ocean Observing System



**EuroGOOS**  
European Global Ocean Observing System



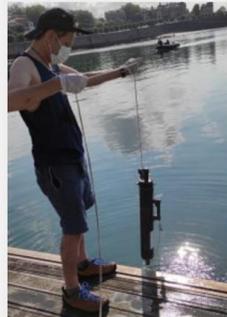
EuroGOOS > Biological Observations Working Group (BIOWG)

## Biological Observations Working Group (BIOWG)

The EuroGOOS Biological Observations Working Group (BIOWG) works to better integrate biological observation into the EuroGOOS framework. They will contribute to the EuroGOOS 2030 strategy and aims to achieve a cultural change in biological observation from individual efforts into an integrated, and coordinated European effort with global impact to further our understanding of life in the ocean and how it interacts with and influences the environment.

### Key Objectives

This working group will focus on developing rigorous and operationally focused standard specifications and operating procedures for the generation of quantitative and qualitative biological data products, so that it may



Taking Samples. Photo Credit: Getxo marina Ibon, PIE UPVEHU

### Working Group / Task Team Highlights

#### EuroGOOS establishes a new Biological Observations Working Group

The recently renewed EuroGOOS Science Advisory Working Group will have their kick-off meeting on the 5th of October with new membership. The WG will elect a co-chair and review their ToR. There are ma...  
[Read more >](#)

#### EuroGOOS Science Advisory Working Group Kick of Meeting

The recently renewed EuroGOOS Science Advisory Working Group will have their kick-off meeting on the 5th of October with new membership. The WG will elect a co-chair and review their ToR. There are ma...  
[Read more >](#)



## Arctic ROOS

EuroGOOS Arctic Regional Operational Oceanographic System



## IBI-ROOS

EuroGOOS Ireland-Biscay-Iberia Regional Operational Oceanographic System



## NOOS

EuroGOOS North West European Shelf Operational Oceanographic System



## BOOS

EuroGOOS Baltic Operational Oceanographic System



**mongoos**

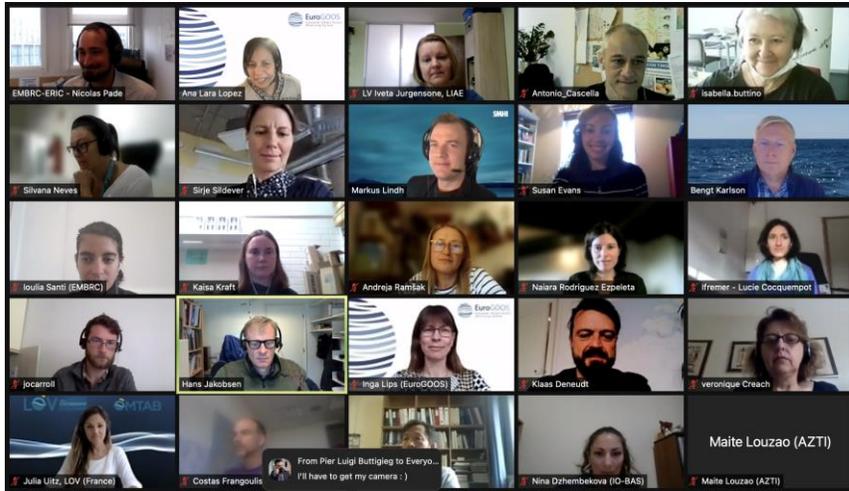
## Arctic ROOS



# EuroGOOS

Working Groups

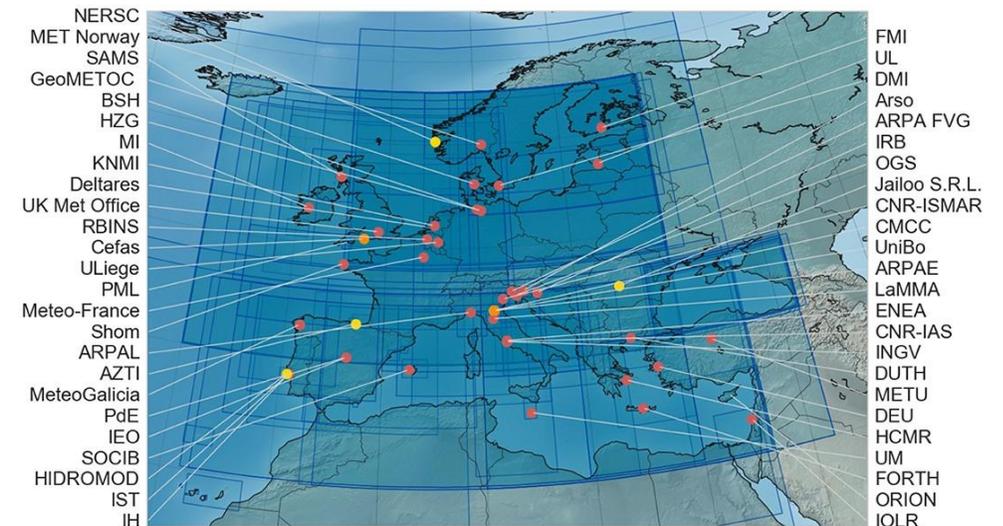
# EuroGOOS Biological Observations WG



- 30 members from 25 organisations
- Kick off Meeting on 1 October 2021
- Co-Chairs: Nickolas Pade (EMBRC) and Markus Lindh (SMHI)
- Will help expand scope into ocean health and climate
- Focus on “omics” and imaging
- Develops operationally focused standard specifications and operating procedures for the generation of quantitative and qualitative biological data products
- Formulates and implements recommendations for new sensors and autonomous platform development and integration with existing approaches
- No NOOS Ambassador

# EuroGOOS Coastal WG

- 21 members from 18 organisations
- Co-Chairs: Ghada El-Serafy (Deltares) and Anna Rubio (AZTI) were re-elected in June 2021 for an extended 2-years mandate
- Working on a EuroGOOS Roadmap for operational Coastal Downstream Services community paper (led by Deltares and with the participation of the whole WG)
- Active participation in the Copernicus In-Situ Coordination project (EEA COINS)
- NOOS Ambassador: Sébastien Legrand (RBINS)



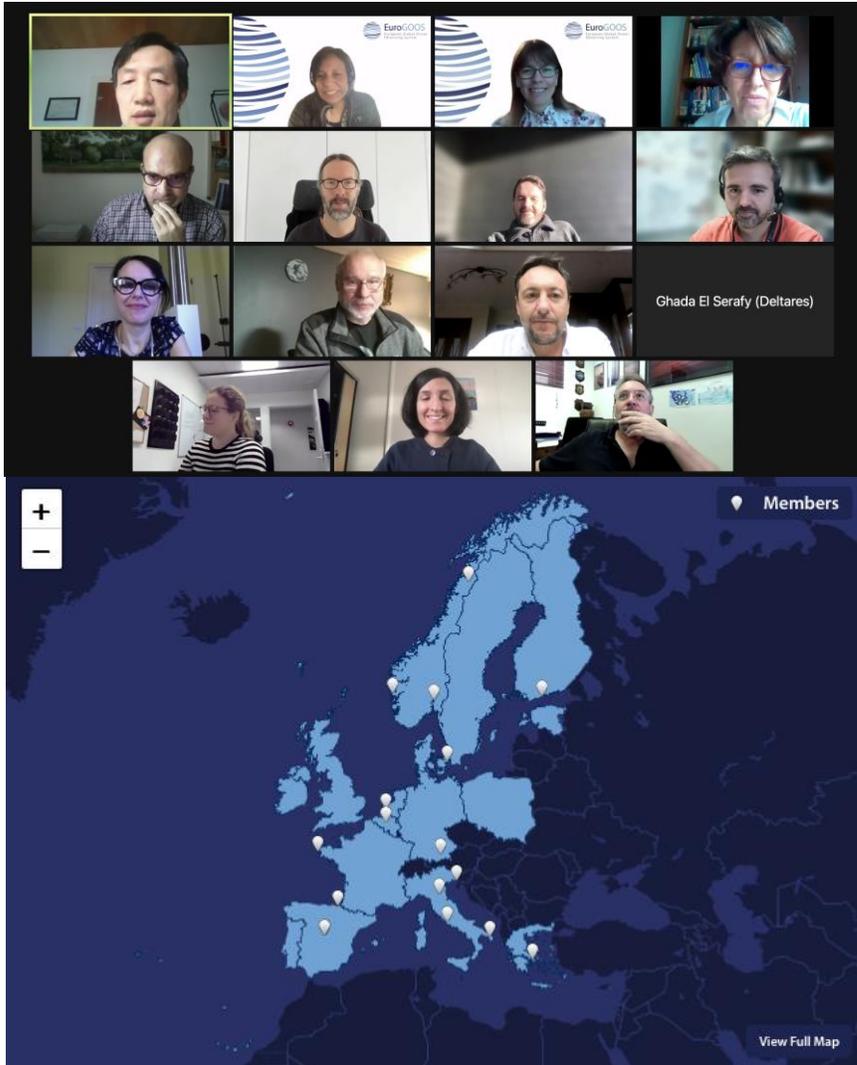
- 29 members from 20 organisations
- Chair: Sylvie Pouliquen (Ifremer)
- Helps improve harmonization and integration of European marine data
- Works hand in hand with Copernicus Marine Service (CMEMS), SeaDataNet, EMODnet and EuroGOOS TTs
- Recently conducted a survey on FAIR data principles implementation among EuroGOOS and ROOS members
- Updating EuroGOOS data policy (2022)
- NOOS Ambassadors: Susanne Tamm (BSH) and Kate Collingridge (CEFAS)





- 23 members from 17 organisations
- Kick off Meeting on 20-21 October 2021
- Co-Chairs: Yolanda Koulouri (HCMR) and Angela Pomaro (CNR)
- Upscales the national efforts in Europe and contributes to broader Ocean Literacy efforts globally
- Delivers Ocean Literacy resources platform
- Implements UN Ocean Decade endorsed project 'Scientists for Ocean Literacy' (Coordinated by EuroGOOS)
- No NOOS Ambassador

# EuroGOOS Science Advisory WG



- 19 members from 18 organisations
- Re-invigorated, Kick-off Meeting on 5 October 2021
- Co-Chairs: Jun She (DMI) and Lucie Cocquempot (Ifremer)
- Aim to:
  - Support ROOS, WG and TT on their research
  - Support implementation of EuroGOOS and EOOS strategies
  - Provides advice on knowledge gaps and identifies research priorities
  - Address challenges of seamless modelling, monitoring and forecasting capacities
- NOOS Ambassador: Henning Wehde (IMR)

# EuroGOOS Technology Plan WG



- 6 members from 6 organisations
- Co-Chairs: Rajesh Nair (OGS) and Laurent Delauney (Ifremer)
- Aim to:
  - Optimize collaboration and integration on technology and technical issues across observing system elements
  - Organises EOOS Technology Forums
  - Articulate and document best practices
- Virtual EOOS Tech Forum/EuroSea Technology Foresight WS 25-27 January 2022 (TBC)
- No NOOS Ambassador



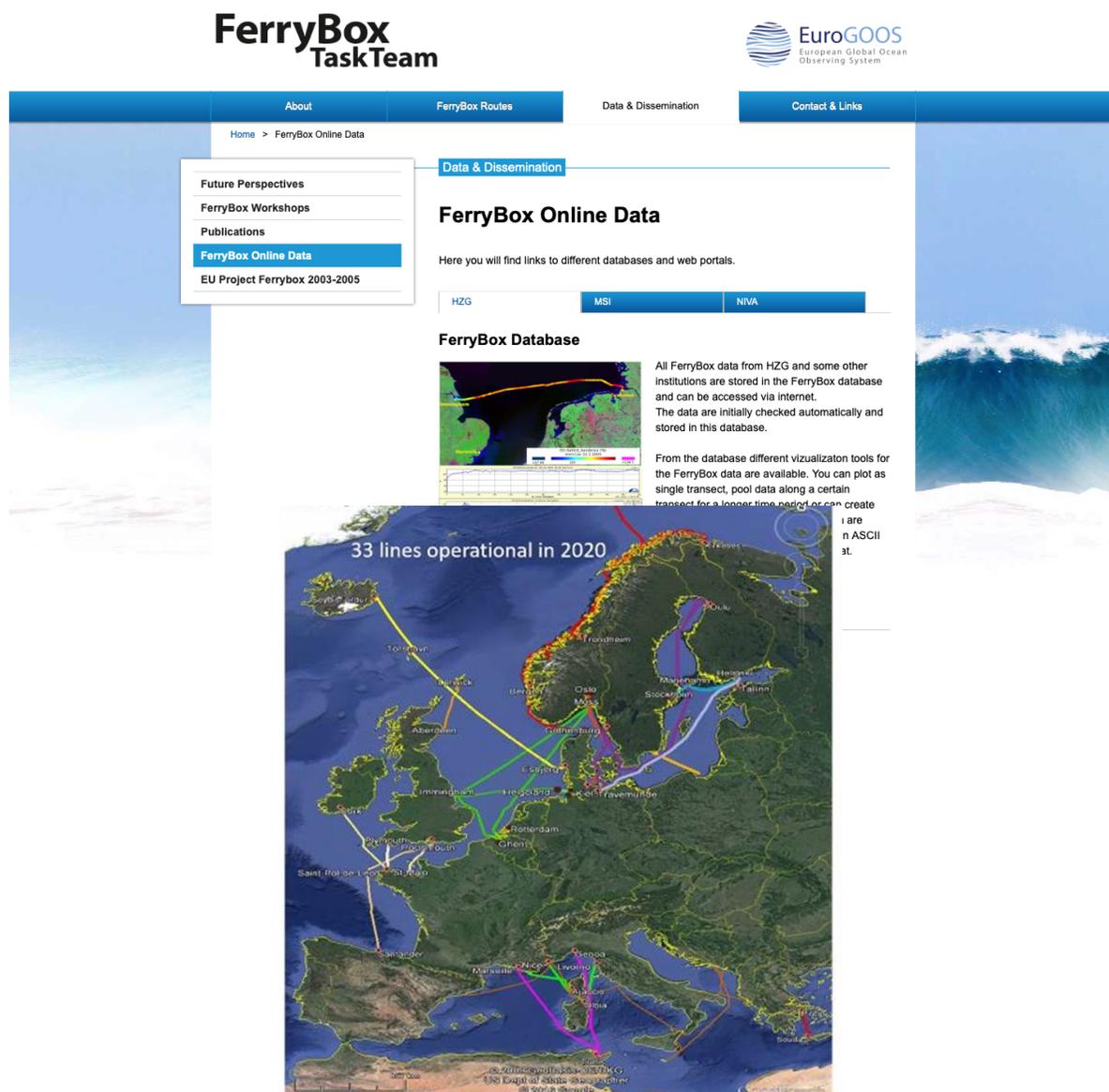
# EuroGOOS

Task Teams



The screenshot shows the EuroGOOS Euro-Argo Task Team webpage. At the top, there is a navigation bar with icons for Members, Regions, Working Groups, Task Teams, EU Projects, and Ocean Literacy. The main content area includes the EuroGOOS logo and the text 'EuroGOOS > EuroGOOS Euro-Argo Task Team'. Below this, the title 'EuroGOOS Euro-Argo Task Team' is followed by a paragraph explaining the team's role in integrating the Euro-Argo ERIC into the EuroGOOS framework. A 'Key Objectives' section lists five points: 1. Promote and contribute to the development of a European Ocean Observing System (EOOS). 2. Promote and engage with new institutes and countries to extend Euro-Argo activity in Europe. 3. Promote and contribute to the development of a state-of-the-art and sustained in situ component in support of the Copernicus Marine Service. 4. Promote the development of common operational data procedures and services, including data quality control and data management for operational oceanography in partnership with other observing systems. 5. Promote the development of the scientific and technological means to carry out joint programs and concerted actions common to their respective areas. A 'Map of Members' section features a map of Europe with a 'Members' legend and a 'View Full Map' button. Below the map, there is a section titled 'MoU and the Statutes of the ERIC' with a link to 'See the Euro Argo ERIC Statutes'. On the right side of the page, there is a 'Working Group / Task Team Highlights' section with two entries: 'EuroGOOS establishes a new Biological Observations Working Group' and 'EuroGOOS Science Advisory Working Group Kick of Meeting', each with a 'Read more' link. A photo credit 'Photo Credit: Yiannis Is-saris, HCMR' is also visible next to a photo of a person on a boat.

- Chair: Sylvie Pouliquen (Ifremer)
- Call for new members and Co-Chair from countries outside of Euro-Argo ERIC
  - Facilitate collaboration and engagement between the Euro-Argo ERIC with non-Member countries
  - Increase the impact of the activities of both EuroGOOS and Euro-Argo through broader engagement
- EuroGOOS webpage updated
- No NOOS Ambassador

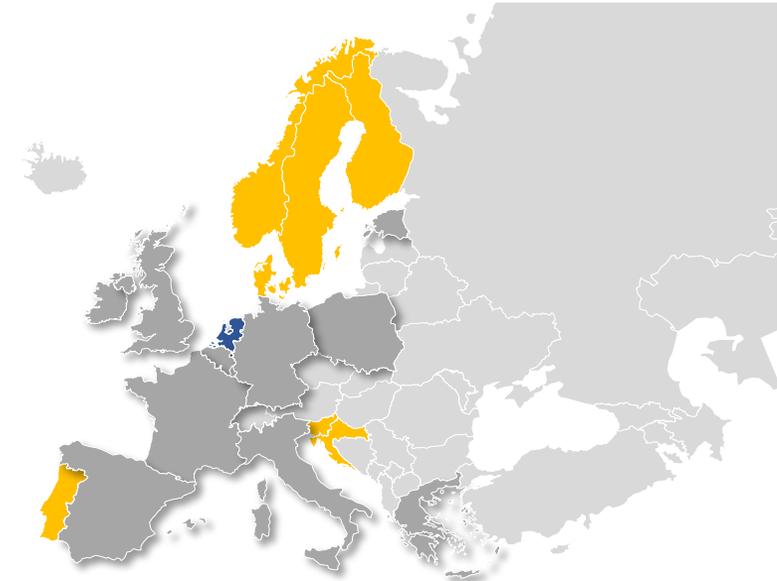
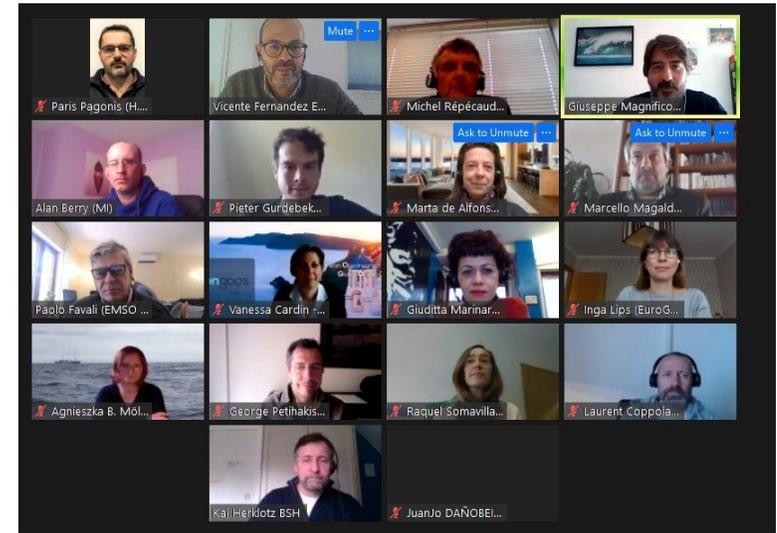


The screenshot shows the FerryBox TaskTeam website. At the top, there is a navigation bar with 'About', 'FerryBox Routes', 'Data & Dissemination', and 'Contact & Links'. Below this, a breadcrumb trail reads 'Home > FerryBox Online Data'. A sidebar on the left contains a menu with 'Future Perspectives', 'FerryBox Workshops', 'Publications', 'FerryBox Online Data' (highlighted), and 'EU Project Ferrybox 2003-2005'. The main content area is titled 'Data & Dissemination' and 'FerryBox Online Data'. It includes a sub-section 'FerryBox Database' with a map of Europe showing ferry routes and a text box stating: 'All FerryBox data from HZG and some other institutions are stored in the FerryBox database and can be accessed via internet. The data are initially checked automatically and stored in this database. From the database different visualization tools for the FerryBox data are available. You can plot as single transect, pool data along a certain transect for a longer time period or can create ASCII data.' Below this is a large map of Europe with the text '33 lines operational in 2020' and various ferry routes marked with colored lines connecting major ports like London, Amsterdam, Rotterdam, and others.

- 20 members from 12 organisations
- Co-Chairs: Andrew King (NIVA) and Yoana Voynova (Hereon)
- Call for new members opened in August
  - Seven new members
- Last meeting on 8 November 2021
- FerryBox workshop, F2F likely in fall 2022 in Hereon
  - Will include biological observations
- Participating in EOOS OC OceanOPS TT
- NOOS Ambassador: Henning Wehde (IMR) and Yoana Voynova (Hereon)

# EuroGOOS Fixed Platforms TT

- 18 members from 18 organisations
- Co-Chairs: Giuseppe Magnifico (CNR), Alan Berry (MI), Paolo Favali (EMSO ERIC)
- Kick Off Meeting 25 March 2021
- Second meeting 11 October 2021
- Aims at integrating the European fixed-point observatories, both in the open and coastal ocean:
  - Seabed stations
    - o Cabled observatories
    - o Stand-alone platforms
  - Buoys and Moorings (Oceanic and Coastal)
  - Fixed coastal stations/observing systems
- No NOOS Ambassador



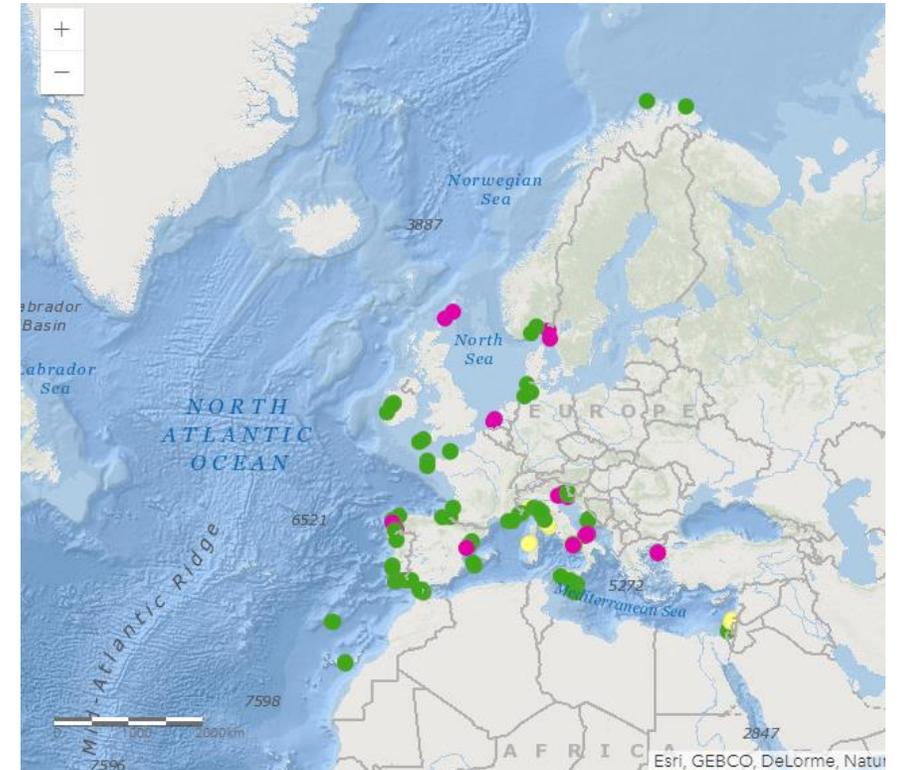
# EuroGOOS Gliders TT

- 24 members from 24 organisations
- Co-Chairs: Carlos Barrera (PLOCAN), Pierre Testor (CNRS), Victor Turpin (JCOMMOPS)
- Kick-Off Meeting planned in early 2022
- Represents the European voice of the global glider community
- Coordinate and assist in the standardization and sharing of best practices for glider operations and data and metadata sharing and management
- NOOS Ambassador: Holger Brix (Hereon)



# EuroGOOS HF Radar TT

- 54 members from 32 organisations
- Chair: Julien Mader (AZTI)
- Inventory of HFR updated in July 2021 (69 ongoing systems in green, future installations (14) in yellow and non-functioning (24). 45 HFRs are connected to the HFR node (pulsing circles) sending data in near real-time <http://eurogoos.eu/high-frequency-radar-task-team/>
- An EuroSea Deliverable was produced with a proposal of a European Radar Network Governance <https://eurosea.eu/download/eurosea-d3-4-hfr-governance/?wpdmdl=3585&refresh=619b7733dc8aa1637578547>
- Next meeting in Spring 2022 focuses on the Wave measurements from HF Radar
- NOOS Ambassador: Jochen Horstmann (Hereon)

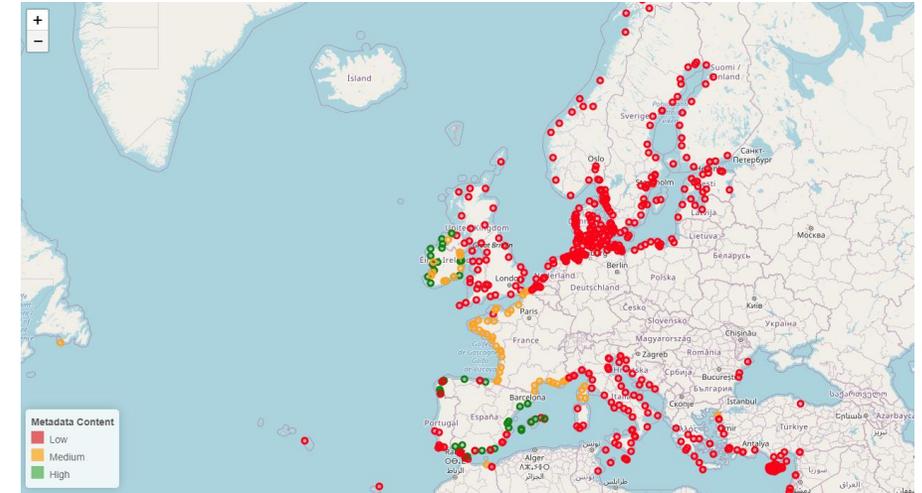


[Newsletter July 2021](#)

**EuroSea**

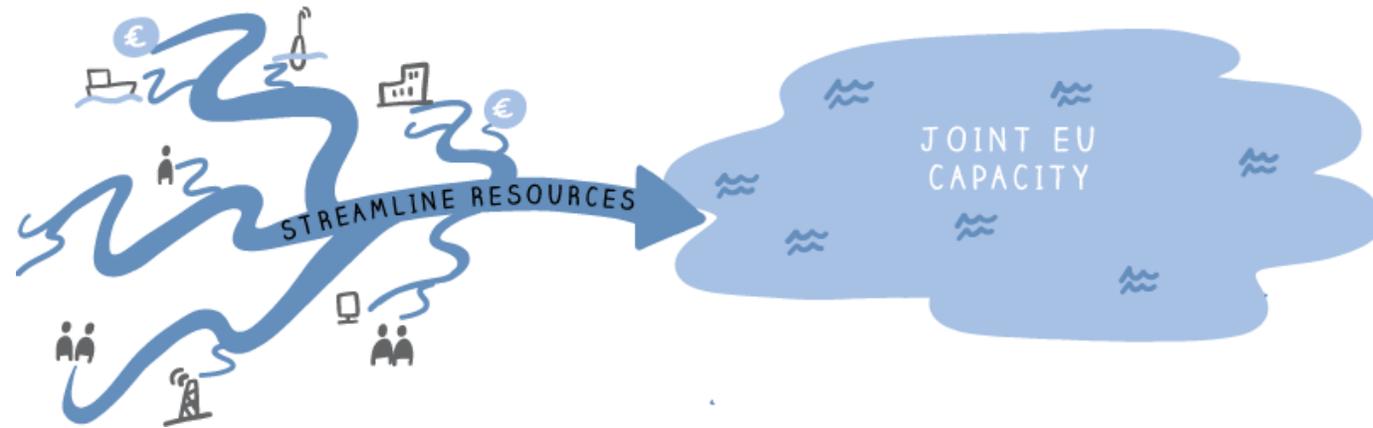
# EuroGOOS Tide Gauges TT

- 35 members from 27 organisations
- New Co-Chairs: Angela Hibbert (NOC); Elizabeth Bradshaw (BODC); Claire Fraboul (SHOM)
- On-going work: Metadata catalogue (on-line portal) of all permanent, managed sea level monitoring stations across Europe and adjacent coastlines, including North-Africa  
<http://eutgn.marine.ie/geonetwork/srv/spa/catalog.search#/home>
- The TT has contributed in EuroSea to a web portal for global sea level data which have been derived from Global Navigation Satellite System-Interferometric Reflectometry (GNSS-IR)  
<https://psmsl.org/data/gnssir/map.php>
- NOOS Ambassadors: Anna von Gyldenfeldt (BSH) and Martin Verlaan (Deltares)





**EuroGOOS**  
European Global Ocean  
Observing System



@EuroGOOS

[info@eurogoos.eu](mailto:info@eurogoos.eu)

[www.eurogoos.eu](http://www.eurogoos.eu)