View results

Respondent

11 Anonymous

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Time to complete

Basic information

1. **Name of GRA** *

- ( ) GRA: Black Sea GOOS
- ( ) GRA: CIOOS
- (•) GRA: EuroGOOS
- ( ) GRA: GOOS Africa
- ( ) GRA: GRASP
- ( ) GRA: IOCARIBE-GOOS
- ( ) GRA: IMOS
- ( ) GRA: IOGOOS
- ( ) GRA: MonGOOS
- ( ) GRA: NEAR-GOOS
- ( ) GRA: OCEATLAN
- ( ) GRA: PI-GOOS
- ( ) GRA: SEAGOOS
- ( ) GRA: U.S. IOOS

2. **Your name** *

Renuka Badhe

3. **Your email** *

Renuka.Badhe@eurogoos.eu

4. **Your role in the GRA** *

Secretary General

GRA Overview

5. **Vision and mission of the GRA** *

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. EuroGOOS is an Ocean Decade Implementing Partner (DIP).

6. **Affiliated organisations and agencies of the GRA** *

- [ ] Governments/Member States
- [ ] Academia
- [x] Research Institutions
- [x] Regional organisations
- [x] Non-governmental Organisations (NGOs)
- [ ] Private sectors
- [x] Met Offices, Hydrographic agencies. Private sector partnerships are being considered, both through the DIP implementation plan and the EuroGOOS (

7. **Please list the national observing systems that the GRA is connecting to.**

EuroGOOS brings together the majority of ocean observing and monitoring agencies and institutions in Europe. Today, EuroGOOS is composed of 48 Member Organisations in 19 European states. In addition, through the Regional Systems (ROOS), working groups, and task teams, EuroGOOS brings together a total of 140 different organizations.

EU Member States do not – in vast majority – have established national systems, except a few examples – in France and in Italy. EuroGOOS operates its Regional Systems (ROOS) to connect countries on the level of sea basins – on data sharing, modelling and forecasting, and services. Furthermore, EuroGOOS operates Task Teams – networks of observing platforms (tide gauges, Argo, Ferrybox, HFR, fixed platforms, gliders), which are maintained by national observing institutions and European funds, some of them feeding OceanOps.

8. **How does the GRA connect to GOOS National Focal Points (NFPs) in the respective countries?** *

If so, please specify GOOS NFPs in which countries you are currently connecting to). Link to current GOOS NFPs is: https://goosocean.org/who-we-are/goos-national-focal-points/group/

EuroGOOS has supported the European GOOS NFPs (through a dedicated EU funding – EuroSea project, 2019-2023). Most of the GOOS NFPs from Europe are members of EuroGOOS and sit on the EuroGOOS General Assembly and various committees (e.g. Germany, Belgium, Italy, Greece, Spain, Ireland, etc).

9. **Governance of the GRA.** *

Please outline governing bodies of the GRA, including Chair, Secretariat, Steering Committee, etc.

The governance of EuroGOOS is structured to ensure representational leadership. The primary decision-making body is the General Assembly, which consists of representatives from all member institutions and is responsible for setting the long-term strategy, approving the annual work plan, and managing the budget. This body elects a Chair, a Vice-Chair, and an Executive Board of Directors who provide high-level strategic oversight. Operational and administrative functions are managed by a Secretariat (or Office), led by a Secretary General. The Secretariat is tasked with the day-to-day implementation of policies, stakeholder engagement, and the coordination of regional projects.

EuroGOOS has five Regional Systems (ROOS), each operating through their Chair/Co-Chairs and Steering Committees, supported by the EuroGOOS Office.

EuroGOOS runs six working groups on thematic and strategic topics (science advisory, science policy, technology, coastal services, ocean literacy, data management, exchange, and quality, biological observations), and six task teams – bringing together operators of European observing networks (tide gauges, Argo, Ferrybox, HFR, fixed platforms, gliders).

This contributes to the EuroGOOS's distributed governance/coordination efforts. The EuroGOOS General Assembly unites these components annually, in addition to regular meetings between the EuroGOOS Board of Directors and Chairs of the individual activities.

Furthermore, EuroGOOS participates in strategic – European coordination focused – EU initiatives, such as EOV Horizon Europe projects supporting GOOS EOV process (BioEcoOcean, ObsSea4Clim, and BioGeoSea), the EU4Ocean Coalition for Ocean Literacy (EuroGOOS leading the EU4Ocean Stakeholder Platform), regional development such as DOORS for the Black Sea (EU project 2021-2025), European Copernicus in situ data coordination (European Environment Agency projects since 2017), etc.

The EuroGOOS International Conference is a community forum taking place every three years, with the 11th Conference taking place on 18-20 May 2026 as an event of the Cyprus Presidency of the Council of the European Union.

10. **Strategic documents of the GRA.** *

Please list titles, dates, and relevant information of the most recently updated version of the governing documents, including the **links** if available. Strategic documents may include: MoU, Goals and Objectives, Planning documents (e.g. Strategic Plan, Work Plan, Implementation Plan), Data Policy, etc.

A selection of EuroGOOS Strategic Publications:

• Affordable Technologies for Marine Observation: Low-Cost and Cost-Effective Approaches. EuroGOOS White Paper (2026) https://zenodo.org/records/18679671
• Ocean Literacy: The Foundation for the Success of the Ocean Decade, Volume I
Transforming Education, Research, and Engagement – EuroGOOS Chapter 'Scientists for Ocean Literacy' (14 co-authors from 8 EuroGOOS Member Organisations) https://link.springer.com/book/9783031981449
• EOOS Technology Forum (2025) "Catching the momentum in ocean observing technology: optimising value and data provision" https://www.eoos-ocean.eu/events/eoos-technology-forum-2024/
• EuroGOOS UNOC-3 Voluntary Commitment (2025) https://sdgs.un.org/partnerships/eurogoos-voluntary-commitment-strengthening-ocean-observing-data-integration-and-ocean
• EOOS Strategy 2023-2027 https://eurogoos.eu/documents/strategic-documents/
• EOOS Implementation Roadmap 2023-2027 https://eurogoos.eu/documents/strategic-documents/
• EuroGOOS Data Policy (2023) signed by all members EuroGOOS Data Policy 2023.
• EuroGOOS International Conference Proceedings (triannual conference serving as a milestone for European operational oceanography with a strong global outlook) https://eurogoos.eu/documents/conference-and-workshops-proceedings/ (latest 2023 setting out the vision for the community in the Conference statement)
• EuroGOOS 2030 Strategy (2021) https://eurogoos.eu/documents/strategic-documents/
• Ocean Literacy in European Oceanographic Agencies: EuroGOOS Priorities for the Ocean Decade. EuroGOOS Policy Brief. (2021) https://eurogoos.eu/documents/strategic-documents/
• EuroGOOS White Paper on Ferry Box observations (2017) https://eurogoos.eu/documents/strategic-documents/

EuroGOOS in Community papers (selected publications):
• Towards a sustained and fit-for-purpose European ocean observing and forecasting system (2024) https://eurogoos.eu/documents/scientific-papers/
• The role of the marine research infrastructures in the European marine observation landscape: present and future perspectives (2023) https://eurogoos.eu/documents/scientific-papers/
• The Mediterranean Sea we want (2021) https://eurogoos.eu/documents/scientific-papers/
• Operational Modeling Capacity in European Seas: A EuroGOOS Perspective and Recommendations for Improvement (2020) https://eurogoos.eu/documents/scientific-papers/
• The Role of Stakeholders in Creating Societal Value From Coastal and Ocean Observations (2019) https://eurogoos.eu/documents/scientific-papers/
• An Integrated All-Atlantic Ocean Observing System in 2030 (2019) https://eurogoos.eu/documents/scientific-papers/
• What We Have Learned From the Framework for Ocean Observing: Evolution of the Global Ocean Observing System (2019) https://eurogoos.eu/documents/scientific-papers/

11. **Communication tools of the GRA.** *

Please list links of GRA website, contact person, newsletter, brochure, introductory video, etc., if any.

EuroGOOS website: https://eurogoos.eu/
LinkedIn: https://be.linkedin.com/company/eurogoos
BlueSky: https://bsky.app/profile/eurogoos.bsky.social
Youtube: https://www.youtube.com/@eurogoos
EuroGOOS Newsletters: https://eurogoos.eu/eurogoos-newsletters/

Flyers and Brochures of EuroGOOS can be found here: https://eurogoos.eu/documents/flyers-and-brochures/

Communications Officer: Alicia Blanco (alicia.blanco@eurogoos.eu)
General EuroGOOS email: info@eurogoos.eu

12. **Primary financial sources of the GRA.** *

Please consider the investment in the ocean observing system itself as well as for GRA coordination.

Membership contributions, EU-funded projects and tenders, in kind contributions from EuroGOOS community experts and communities of practice.

Achievements since last GRA Forum (April 2024)

13. **Meetings and workshops the GRA organised or sponsored.** *

Since April 2024
• EuroGOOS International Conference (2026)
• European Maritime Day Stakeholder Workshops (2025, 2026)
• UN Ocean Conference community booth (co-organizer) (2025)
• EuroGOOS trainings 2025: Marine scientists engagement in ocean literacy and science communication; ECOPs training on FAIR, CARE, TRUST data (EuroGOOS YouTube and ECOPs Ocean Decade Programme YouTube) – see under Capacity Building below
• EOOS Technology Forum Catching the momentum in ocean observing technology: optimising value and data provision (2024)
• DOORS Stakeholder Conference: Black Sea Futures: Science, Prosperity, and People (2024) (co-organizer)
• EuroGOOS General Assembly (annual)
• Ocean Decade Conference (2024): Side event with ECOPs and numerous partners on Ocean Literacy

14. **Contribution/Integration to the Global Ocean Observing Networks.** *

If the GRA is currently contributing/integrating to other networks other than GOOS networks, please specify them in the field of 'Other'.

- [ ] Ship Observations Team (SOT)/Voluntary Observing Ships (VOS)
- [x] Ship Observations Team (SOT)/XBT-Ship of Opportunity Programme (SOOP)
- [ ] Ship Observations Team (SOT)/Automated Shipboard Aerological Programme (ASAP)
- [ ] Global Ocean Ship-Based Hydrographic Investigations Programme (GO-SHIP)
- [x] Global Sea Level Observing System (GLOSS)
- [x] OceanSITES
- [x] Data Buoy Cooperation Panel (DBCP)/Moored Buoys (MB)
- [ ] Data Buoy Cooperation Panel (DBCP)/Tsunami Buoys
- [ ] Data Buoy Cooperation Panel (DBCP)/Drifting Buoys (GDA)
- [x] Argo
- [x] The Global High Frequency Radar Network
- [x] Ocean Gliders
- [ ] Animal-Borne Ocean Sensors (AniBOS)
- [x] Emerging: Fishing Vessel Observing Network (FVON)
- [ ] Emerging: Surface Ocean CO2 Observing Network (SOCONET)
- [ ] Emerging: Science Monitoring And Reliable Telecommunications (SMART) Subsea Cables
- [ ] Emerging: SUN Fleet
- [ ] None
- [ ] Other

15. **Any other ocean observation projects and activities uniquely conducted by the GRA?**

• EuroGOOS has five Regional Systems (ROOS): Arctic Regional Ocean Observing System (Arctic ROOS); Iberia-Biscay-Ireland Operational Oceanographic System (IBI-ROOS); Baltic Operational Oceanographic System (BOOS); Mediterranean Operational Network for the Global Ocean Observing System (MONGOOS); North West European Shelf Operational Oceanographic System (NOOS)
• EuroGOOS runs six Working Groups (WG) on thematic and strategic topics like science advisory, science policy, technology, coastal services, ocean literacy, data management, exchange, and quality, biological observations. The WGs are Data Management Working Group (DATAMEQ); Science Advisory Working Group (SAWG); Technology Plan Working Group (TPWG); Coastal Working Group (CWG); Policy Working Group (PWG)
• EuroGOOS runs six task teams – bringing together operators of European observing networks (Tide Gauges, Argo, Ferrybox, HFR, Fixed Platforms, Gliders).

16. **Contribution of data at local/national/regional/global level.** *

Please indicate other data centers and repositories in 'Other', if applicable.

- [x] Ocean Data and Information System (ODIS)
- [x] IODE National Ocean Data Center (NODC)
- [ ] IODE Associate Data Unit (ADU)
- [ ] IODE Associate Information Unit (AIU)
- [ ] WMO Information System (WIS)
- [ ] Other

17. Describe the primary roles of the GRA in facilitating the **delivery of Information, Products and Services to end users** and how these are different/complementary to national activities. *

EuroGOOS engages its members (48 organizations) and larger community (140 organisations) in improving the downstream services of the European Marine Observation and Data Network (EMODnet) and Copernicus Marine Service, while ensuring that both the European observations are fit for purpose (through the EuroGOOS Regional Systems (ROOS), Task Teams, and EU projects), and the data is delivered and managed (EuroGOOS Data Policy is signed by all members, promoted to the community, and ensures the European implementation of the IOC Data Policy). The direct link with users is ensured by the EuroGOOS members and ROOS who directly supply observations, models, and forecasts to national services and private users. EuroGOOS acts as an enabler and catalyst of the added value of European cooperation in direct support to the GOOS objectives outlined in the 2030 Strategy and Decade Vision 2030 Documents.

18. **In what areas (checklist is below) does the GRA enable co-designed/co-produced ocean observing solutions?** *

More detailed information & services, e.g. links, can be indicated in 'Other'

- [x] Biodiversity conservation
- [x] Sustainable fisheries
- [x] Coastal resilience
- [x] Climate resilience mitigation and adaptation
- [x] Sustainable ocean planning
- [x] Marine carbon capture and storage
- [x] Safety of life at sea
- [x] Coastal hazard warnings
- [x] Disaster risk reductions
- [x] Human health
- [x] Ocean science
- [ ] Other

19. **Please list new Best Practice documents completed in 2025 (and submitted to the OBPS).** *

- A strategy forward document describing the way forward towards an integrated EU Research Infrastructure. MINKE Deliverable D1.3.
- Report on the statuses of harmonization and interoperability in the current Calibration-Validation landscape for ocean variables (D2.4), Version 1.0.
- Recommendation Report 2 on improved common procedures for HFR QC analysis. JERICO-NEXT WP5-Data Management, Deliverable 5.14, Version 2.0.
- An ocean practices maturity model: from good to best practices.
- Promoting best practices in ocean forecasting through an Operational Readiness Level.

20. **Capacity Building and Knowledge Sharing**

Please state the capacity building activities organised in 2024-2025, and # of beneficiaries; expertise/experience shared with other GRAs in terms of capacity building.

• Marine Data for Sustainable Development: FAIR, CARE, TRUST (2025) Watch the full playlist here: https://youtu.be/swvhnuTUDAo?si=oWf4M75GJosozzHJ; • From Lab to Public: Ocean Literacy in Action (2025) EuroGOOS - YouTube • DOORS Webinar – Advancing Climate Change Response in the Black Sea: Best Practices & Standards for Marine Data Curation (2025) - EMBRC Training platform • Blue-Cloud 2026 FAIR Data Webinars (2024) - OTGA

Essential Ocean Variables (EOVs) Measurement

GOOS Essential Ocean Variables (EOVs) are defined as the ***minimum set of ocean variables*** that are needed to assess ocean state and variability for important global ocean phenomena, and to provide essential data for applications that support societal benefit. Please see more detailed information and specification sheet for each EOV via https://goosocean.org/what-we-do/framework/essential-ocean-variables/

21. Please indicate the **physics EOVs** that have been/are being measured by your GRA. *

	Yes	No	No info
Sea state	◉	○	○
Ocean surface stress	◉	○	○
Sea ice	◉	○	○
Sea surface height	◉	○	○
Sea surface temperature	◉	○	○
Subsurface temperature	◉	○	○
Surface currents	◉	○	○
Subsurface currents	◉	○	○
Sea surface salinity	◉	○	○
Subsurface salinity	◉	○	○
Ocean surface heat flux	◉	○	○
Ocean bottom pressure	◉	○	○
Turbulent diapycnal fluxes (*pilot)	◉	○	○

22. Please indicate the **biochemistry EOVs** that have been/are being measured by your GRA. *

	Yes	No	No info
Oxygen	◉	○	○
Nutrients	◉	○	○
Inorganic carbon	◉	○	○
Transient tracers	◉	○	○
Particulate matter	◉	○	○
Nitrous oxide	◉	○	○
Stable carbon isotopes	◉	○	○
Dissolved organic carbon	◉	○	○

23. Please indicate the **biology and ecosystems EOVs** that have been/are being measured by your GRA. *

	Yes	No	No info
Phytoplankton biomass and diversity	◉	○	○
Zooplankton biomass and diversity	◉	○	○
Fish abundance and distribution	◉	○	○
Sea turtles abundance and distribution	◉	○	○
Seabirds abundance and distribution	◉	○	○
Marine mammal abundance and distribution	◉	○	○
Coral cover and composition	◉	○	○
Seagrass cover and composition	◉	○	○
Macroalgal canopy cover and composition	◉	○	○
Mangrove cover and composition	◉	○	○
Microbe biomass and diversity (*pilot)	◉	○	○
Benthic invertebrate abundance and distribution (*pilot)	◉	○	○

24. Please indicate the **cross-disciplinary (including human impact) EOVs** that have been/are being measured by your GRA. *

	Yes	No	No info
Ocean colour	◉	○	○
Ocean sound	◉	○	○
Marine debris (*pilot)	◉	○	○

25. **Additional comments on EOV measurement by your GRA.**

While we do not directly measure EOVs, EuroGOOS coordinate the delivery of all EOVs across the domains, as well as centrally contributes to three sister projects funded by the European Union – BioGeoSea, BioEcoOcean, and ObsSea4Clim (directly supporting the GOOS panels).

Planning and Support

26. **Top 3 Challenges and Opportunities** *

To highlight the ***challenges*** for operation of GRA and how to address them; as well as the ***opportunities*** for new partnerships with regional networks, programme/project, countries; new funding opportunities including cooperation with industries; emerging requirements for delivery of information and services, and etc.

• With the political focus on European ocean observations with the European Union's new OceanEye initiative launched in 2026 and the upcoming Ocean Act – EuroGOOS seeks stronger link and coordination with GOOS. EuroGOOS submissions to the Ocean Observation Initiative call for evidence here: https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/16094-European-Ocean-Observation-Initiative/F33376340_en
To the Ocean Act call for evidence here: https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/16238-European-Ocean-Act/F33372444_en
• Challenges of sustaining operational observing networks have been persistently identified – these form key messages of the EuroGOOS's responses to the EU initiatives mentioned in the above bullet.

27. **Planning for 2026-2027** *

To highlight top 3-5 priorities of the GRA over next two years.

1. Organise the 2026 EuroGOOS International Conference – Every three years the EuroGOOS conference provides a forum for marine scientists and technologists developing operational oceanography products, and the users of these services including decision and policy-makers as well as the private sector. It offers an opportunity to discuss how well our ocean monitoring and forecasting are supporting societal and policy needs. The event facilitates dialogue among a broad range of ocean observing and forecasting stakeholders, towards a fit-for-purpose ocean information delivery. The conference will take place at the University of Central Lancashire, Cyprus (UCLan Cyprus), from the 18–20 May 2026.

2. Contribute to/support the European Union's development of the Ocean Observation Initiative
3. Chair the European Ocean Observing System (EOOS) Steering Group (position held since 2016 – permanent according to the ToR)
4. Ensure the implementation of the EuroGOOS Data Policy in all Member Organisations
5. Engage with the Ocean Decade as DIP, including on topics of ocean observing coordination, public-private partnerships, and Ocean Literacy, and contribute to the Ocean Decade Conference 2027
6. Organise the EOOS Technology Forum, European Maritime Day workshops (annual), and events within the Decade Action Scientists for Ocean Literacy.

28. **Requested Support from GOOS** *

May include but not limited to communication support; capacity building support; partnership building support; leveraging support from member states, etc. Indicate priority or urgency.

EuroGOOS seeks to strengthen its synergy with GOOS leadership and the wider network of Global Regional Alliances (GRAs) to ensure a unified voice for ocean observing. Our primary request is for high-level diplomatic and partnership-building support to better leverage commitment from European Member States and international funding bodies. EuroGOOS and GOOS 2030 Strategies are intentionally aligned – by aligning our actions we can more effectively advocate for sustained investment in essential ocean variables.

EuroGOOS identifies a high-priority need for cross-GRA capacity building. As EuroGOOS operates with the complexity of an international entity, sharing best practices in governance, data interoperability, and stakeholder and public engagement with other GRAs is essential. We also request enhanced communication alignment to harmonise our messaging, ensuring that European achievements contribute visibility to the global collective. This support is considered urgent to meet the upcoming milestones of the UN Ocean Decade and OceanObs'29 and will bring clear benefits in addressing the current persistent gaps in the global observing system and its regional components.