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Respondent

13

Anonymous

1920:11

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 *

Baptiste Mourre

3. Your email *

bmourre@imedea.uib-csic.es

4. Your role in the GRA *

Co-chair

GRA Overview

5. Vision and mission of the GRA *

Promote partnership, collaboration, networking and capacity building to develop operational oceanography in the Mediterranean Sea

6. Affiliated organisations and agencies of the GRA *

- Governments/Member States
- Academia
- Research Institutions
- Regional organisations
- Non-governmental Organisations (NGOs)
- Private sectors
- Other

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

MonGOOS is connected to the national observing systems from the member institutions in Croatia, Cyprus, France, Greece, Israel, Italy, Malta, Montenegro, Morocco, Portugal, Slovenia and Spain. These include SOCIB, Puertos del Estado, IEO-CSIC, MOOSE and POSEIDON systems in particular.

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://goosocan.org/who-we-are/goos-national-focal-points/group/>

While some of the GOOS NFPs are partners of MonGOOS, the link is not systematic in all countries.

9. Governance of the GRA. *

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

2 Chairpersons, Board composed of chairs and working group leaders, Member's Assembly composed of each member representatives

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.

MonGOOS Science and Strategy plan: updated in 2018
<https://mongoos.eurogoos.eu/download/mongoos-science-and-strategy-plan-low-resolution-high-resolution/?wpdmdl=5326&refresh=69b911676e0641773736295>

Memorandum of Agreement:
<https://mongoos.eurogoos.eu/download/mongoos-moa/?wpdmdl=5636&refresh=69b9187ad96b51773738106>

11. Communication tools of the GRA. *

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

MonGOOS web site: <https://mongoos.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.

There is no specific funding associated with MonGOOS itself. Investments in the observing systems are made at the national level.

Achievements since last GRA Forum (April 2024)

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

- MonGOOS Extraordinary General Assembly, Virtual 16 April 2025 – New co-chair election
- MonGOOS General Assembly, Malaga – Spain, 01-02 October 2024
- MonGOOS workshop “Boost the understanding of the Mediterranean for adaptation to climate change and extreme events”, Malaga – Spain, 02-03 October 2024
- MonGOOS General Assembly, Lisbon – Portugal, 02 December 2025
- MonGOOS workshop “Mediterranean Sea multiscale variability: knowledge, impacts, and road ahead”, Lisbon – Portugal, 03-04 December 2025

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)
- 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)
- Global Sea Level Observing System (GLOSS)
- OceanSITES
- Data Buoy Cooperation Panel (DBCP)/Moored Buoys (MB)
- Data Buoy Cooperation Panel (DBCP)/Tsunami Buoys
- Data Buoy Cooperation Panel (DBCP)/Drifting Buoys (GDA)
- Argo
- The Global High Frequency Radar Network
- Ocean Gliders
- Animal-Borne Ocean Sensors (AniBOS)
- 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
- European Multidisciplinary Seafloor and water column Observatory (EMSO), Joint European Research Infrastructure of Coastal Observatories (Jerico)

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

No answer provided.

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

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

- Ocean Data and Information System (ODIS)
- IODE National Ocean Data Center (NODC)
- IODE Associate Data Unit (ADU)
- IODE Associate Information Unit (AIU)
- WMO Information System (WIS)
- Copernicus Marine Service, EMODnet

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. *

The MonGOOS website compiles information on operational platforms and forecasting systems. It does not directly deliver information nor products and services, which are made at national level or through dedicated European Data Portals.

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'

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

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

No document completed in 2025.

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.

General assemblies and scientific workshops held in 2024 and 2025.

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	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean surface stress	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea ice	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Sea surface height	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea surface temperature	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subsurface temperature	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Surface currents	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subsurface currents	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea surface salinity	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subsurface salinity	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean surface heat flux	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean bottom pressure	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turbulent diapycnal fluxes (*pilot)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

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

	Yes	No	No info
Oxygen	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nutrients	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inorganic carbon	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Transient tracers	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Particulate matter	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nitrous oxide	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Stable carbon isotopes	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Dissolved organic carbon	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zooplankton biomass and diversity	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fish abundance and distribution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea turtles abundance and distribution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Seabirds abundance and distribution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Marine mammal abundance and distribution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Coral cover and composition	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Seagrass cover and composition	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Macroalgal canopy cover and composition	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Mangrove cover and composition	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Microbe biomass and diversity (*pilot)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Benthic invertebrate abundance and distribution (*pilot)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

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	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean sound	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marine debris (*pilot)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

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

No answer provided.

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.

- Develop cooperation with the fishery sector through the Mediterranean Tuna Observatory Initiative
- Strengthen the participation of Mediterranean African countries
- Enhance links between MonGOOS and relevant European projects and initiatives

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

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

- Launch and engage in the Mediterranean Tuna Observatory Initiative
- Finalize white papers on observing and forecasting systems in the Mediterranean Sea, and update the Science and Strategy Plan
- Improve coordination and visibility by linking MonGOOS with relevant European projects and programs
- Promote increased participation of non-EU Mediterranean countries in observing and forecasting activities
- Promote the development and integration of biogeochemical observations within the MonGOOS network

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.

Funding to support the organization of MonGOOS meetings.