



The Global Ocean Observing System



Session 7.4: Biodiversity Plan

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Key updates

- The Biodiversity Plan was **split into two main components**: A high-level **Strategy** (finalised) & an **Implementation** plan (in development)
- **GOOS Biodiversity Strategy** → 4 Specific Objectives (SO), each supported by 3-4 Actions

Main Goal: *To enable and evolve an integrated and fit-for-purpose framework for global ocean observing that meets national, regional and global needs for marine biodiversity information*



SO1- *Mature the global observing system for BioEco EOVs*



SO2- *Facilitate the use of marine biodiversity data in decision-making at all scales*



SO3- *Strengthen capacity and expand global coverage*



SO4- *Drive innovation and promote the adoption of emerging technologies for ocean biodiversity monitoring*

Next steps

Following adoption of the GOOS-Biodiversity Strategy by GOOS SC:

- **Co-design** a detailed **implementation plan** in close collaboration with GOOS component (OCG) and partners (OBIS, MBON, POGO)
 - Tasks under each Action to achieve the Strategic Objectives
 - Deliverables and responsibilities for each Task
 - Timeline
 - Risks and resources needed

In progress

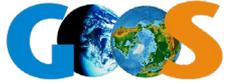
Key messages to the SC

The GOOS Reform will have **significant implications** for how the ***Biodiversity Strategy*** implementation plan develops and where accountability for specific Tasks will sit. *We invite the SC to explicitly acknowledge this interdependency and address it within the reform process.*

Before we can begin to implement the *Biodiversity Strategy*, it is **essential to secure sufficient funding and support internally**. *We invite the SC to acknowledge this as a top priority and to consider **allocating the necessary funding and resources** in good time. Without this support, we will not be able to proceed.*

Calendar for the BS Implementation Plan delivery?



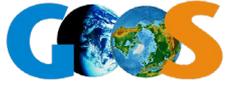


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Thank you

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Key updates

- GOOS Biodiversity **Strategy**



SO1- Mature the global observing system for BioEco EOVs

- A 1.1 Facilitate the adoption of **best practices** and promote the use of **standardised approaches**
- A 1.2 Support the development of **data and metadata delivery pipelines** that promote the interoperability, accessibility and traceability of marine biodiversity datasets
- A 1.3 Increase **visibility of observing networks/programmes**, awareness on **data availability** worldwide
+ highlight observational and capacity **gaps** by EOv
- A 1.4 Develop an **evaluation framework to assess the maturity state of BioEco EOVs' observing capacities**



SO2- Facilitate the use of marine biodiversity data in decision-making at all geographical scales

- A 2.1 Identify biodiversity **information needs and data gaps for informed ocean policy and management** at national, regional and international scales
- A 2.2 Facilitate **delivery of operational, fit-for-purpose BioEco EOv data**, including both near real-time and delayed-mode observations
- A 2.3 Contribute to the **development of freely available BioEco EOv data products, indicators and analysis tools** that are user-friendly and readily applicable
- A 2.4 Demonstrate the **value of BioEco EOv data streams to support policy development and decision-making**, building user confidence in their application.

Key updates

- GOOS Biodiversity **Strategy**



SO3- Strengthen capacity and expand global coverage

- A 3.1 Secure **long-term collaborations with BioEco EOVs' observing networks worldwide** and enhance coordination among them
- A 3.2 Increase **awareness and recognition of the BioEco EOVs framework** for supporting ocean biodiversity information flow at all scales
- A 3.3 Expand and support the **adoption of BioEco EOVs data and metadata standards** across observing communities
- A 3.4 Facilitate the delivery of **training tools and workshops** that support the full life cycle of ocean BioEco observations, from collection to application



SO4- Drive innovation and promote adoption of emerging technologies

- A 4.1 Foster the maturation and application of **innovative observing technologies**
- A 4.2 Identify critical **technology needs** and advance their development
- A 4.3 Facilitate the **integration of BioEco EOVs in data platforms** for physical and biogeochemical EOVs' collection + **inclusion of novel data types** in data pipelines

Key updates (max 5 points)

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SO1- Mature the global observing system for BioEco EOVs



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