



The Global Ocean Observing System



National Focal Points (NFP) Forum (Online)

National ocean observing coordination in France The French Ocean Observing System (Fr-OOS)

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The French Ocean Observing System (Fr-OOS)

Objectives

- ❑ **Strengthen long-term ocean observation** at global, regional and coastal scales for research, climate&weather, sustainable ocean management and operational oceanography.
- ❑ **Harmonize activities** related to long-term ocean observation, promote resource pooling and align/simplify associated governance bodies.
- ❑ **Organize the interfaces** between the national marine observation research infrastructures Argo-France (IR* EURO-ARGO), EMSO-France, ILICO, a future open sea infrastructure (OHIS), observation networks not organized as research infrastructures (monitoring, fishery).
Transverse activities : interfaces with the Research Vessel fleet infrastructure, interfaces with data centers (IR DATA TERRA/ODATIS and its Coriolis data center), satellite observations and ocean, weather and climate modeling centers.
- ❑ **Insert the Fr-OOS into the international (GOOS, GCOS, POGO, GEO, UN Decade) and European (EOOS, ESFRI, EMODnet, Copernicus, Digital Twin Ocean, SBEP) landscapes.**



The French Ocean Observing System (Fr-OOS)

Governance

The Fr-OOS (2023-2026) is based on a light governance structure that can evolve in the long term towards a reinforced structure:

- ❑ Governing Board (GB) assisted by an Executive Secretariat. The GB brings together: the directors of the marine institutions part of Fr-OOS and representatives of the relevant ministries (research, environment and sea).
- ❑ Marine observation networks entering the scope of the Fr-OOS. The directors of the networks report on progresses/issues to the GB and take into account the recommendations of the GB for the evolution of their activities.
- ❑ A scientific advisory group with representatives of the main marine observation networks.



Building blocks of the Fr-OOS : marine observation infrastructures

Strategy of the French Ministry of Research to structure and federate the systematic observation in the different marine institutions as research infrastructures. In agreement with the EU approach with European Marine research infrastructures. Fr-OOS also includes operational networks (environment monitoring / MSFD, metocean, fishery observations).

Marine Research Infrastructures



Coastal



Deep Sea

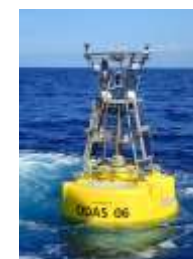


Argo



Open Sea

Operational and monitoring networks



Fr-OOS Work Plan 2024-2025

- ❑ Ocean Observing annual syntheses
- ❑ Ocean Observing Dashboard
- ❑ Organization of transverse activities with the components (ocean observation networks)
- ❑ Organization of links with European (EOOS) and international coordination structures (GOOS)
- ❑ Preparation of an integrated Ocean Observing Strategy
- ❑ National Ocean Observing Conference



First Fr-OOS national conference (Ifremer/ Brest - September 26-28, 2024)

- ❑ Day 1: Two workshops on links/synergies with satellite observations and modelling
- ❑ Day 2: National conference => overview of French activities and plans, links with GOOS, round tables on climate, coastal and deep sea observation (what, how & why ?)
- ❑ 160 participants
- ❑ First step to prepare an integrated ocean observing strategy for France and its contribution to European (EOOS) and international (GOOS) strategies



Fr-OOS ↔ GOOS

The setting up of the Fr-OOS (national coordination structure) is in line with GOOS recommendations. Focus in on in situ observation but synergies with satellite observations, interfaces with data centers and links/synergies with modelling are fully considered.

Interactions between GOOS international and national coordination structures such as the FR-OOS is essential to the development of a sustained and fit for purpose ocean observing system:

- ❑ Fr-OOS => GOOS: observations in a standardized form (national), ocean observing status and plans, future priorities, impact and success stories.
- ❑ GOOS => national structures: observations in a standardized form (international), an internationally agreed implementation plan for the ocean observing system and implementation priorities to guide actions from nations, impact and success stories, support to ocean observing advocacy.
- ❑ Details of what national structures should provide to and get from GOOS need to be worked out.