

Objective 3: Observing System Evaluations - *Contributing to projects and assessment to better design observing systems and assess the observation impact on prediction*

A/ SHORT-TERM ACTIONS - Feed the 5-year Implementation Plan (2026-2031) – focusing on practical, achievable priorities that can be delivered with available resources.

- 1) **Crosscutting Task Team activities** – Specify
 - Verification, evaluation with IV-TT.
 - How to communicate results of OSE's
 - MEAP-TT: BGC application. Data are something limited and difficult deal.
 - Impact on ocean reanalysis activities and follow-up on AI/ML models trained on these ocean reanalysis
- 2) **Leveraging UN Ocean Decade activities** – Specify
 - Continue contribution to SynObs. Enhance the collaboration with Ocean Observing Co-design, Ocean Prediction DCC and other decade program and project
- 3) **Key priorities** – Specify
 - Provide feedback on ocean observations for coastal applications.
 - i. Impact on prediction systems
 - ii. Gaps
 - Contribute to OceanObs'29.
- 4) **Partnerships required** – Specify
 - Link to observational community likes GOOS, WMO, national oceanography observational data centers. ARGO. Satellite agencies. Local centers.
- 5) **Other** – Specify
 -

B/ LONG-TERM ACTIONS - Inform the new OceanPredict Strategy for 2031-2040 – by identifying high-impact opportunities and longer-term actions.

- 1) **Crosscutting Task Team activities** – Specify
 - Keep the collaboration with other TT through various ways
- 2) **Leveraging UN Ocean Decade activities** – Specify
 - Exploit the connections with observation groups such as GOOS which were enhanced during the UN Decade period.
- 3) **Key priorities** – Specify
 - Keep a SynObs like project going
 - Ensure continuity of observation systems both in-situ and satellite

- Funding
- Transition out of the UN Ocean Decade (keep the motivation to evaluate/design observing systems)

4) **Partnerships required** – Specify

- Continue to collaboration with observational community likes GOOS, WMO, national oceanography observational data centers. ARGO. Satellite agencies. Local centers.
- Collaboration with AI group should be established for sharing the information on the impact of observations in oceanographic applications, including physical and AI-based ocean prediction systems.

5) **Other** – Specify