



**unesco**

Intergovernmental  
Oceanographic  
Commission

# IOC - WMO Joint Collaborative Board

Yutaka Michida - IOC Chair

# Background: Introduction of the JCB

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## Founded

IOC Resolution XXX-2 from the 30th IOC Assembly, and WMO Resolution 9 (Cg-18) (2019)

## Purpose

- Promote high-level collaboration between IOC and WMO, providing co-defined strategic advice to both sponsors
- Advance collaboration across the entire value chain, including observations, prediction, data management, research, and services for weather, water, climate, communities and capacity building.

## Members:

- IOC/WMO Co-Chairs
- Nominated representatives from IOC and WMO, across research, observations, data, modelling, services, capacity development, plus regional MS representatives.



# Progress: Identifying Priority Areas

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

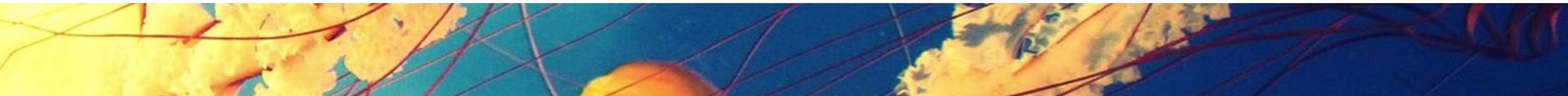
Intergovernmental  
Oceanographic  
Commission

During June-August 2024, JCB met virtually in groups and identified >20 possible priority areas

JCB Meeting, Paris, September 2024, identified key priority areas for the JCB's efforts using multicriteria analysis

Identified 4 initial priority areas:

- 1. Global Basic Observing Network (GBON) for Ocean**
- 2. Data Management and Interoperability**
- 3. Coastal and Maritime Resilience**
- 4. Capacity Development**



# 1: Global Basic Observing Network

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## Objective

- Evolving WMO GBON with GOOS to include additional ocean variables
- Evolving joint understanding of an 'Ocean Basic Observing Network' encompassing all GOOS delivery areas

## Progress

- Terms of reference agreed with the JCB co-chairs
- Membership identified
- Subgroup being established
- This work was welcomed at 14th meeting of the GOOS Steering Committee, February 2025.



# 2 Data Management and Interoperability

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## Objectives

- Enhance interoperability for an integrated observing and data system,
- Improve data sharing between the WMO Information System (WIS) and the Ocean Data Information System (ODIS),
- Develop a structured approach to Marine Climate Data Systems (MCDS)
- Align data policies and licensing between the WMO and IOC systems to ensure seamless data integration and usability

## Progress

- Terms of reference agreed with the JCB co-chairs
- Terms of reference endorsed by the IODE-28



# 3 Coastal and Maritime Resilience

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## Objectives

- Strengthen coastal and maritime community resilience against hazards
- Support the United Nations Early Warning for All (EW4All) initiative, including the integration of ocean-related hazards (current focus is on meteorological hazards)

## Progress

- IOC and WMO experts contributed to the report “*Meteotsunamis: definition, detection and alerting services investigation*” (IOC Technical Series 200, 2025).



# 4 Capacity Development

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## Objective

Join efforts in capacity development to enhance capabilities in both oceanography and meteorology, including:

- merging training calendars,
- establishing joint training centers and resources between WMO and IOC

## Progress

- IOC JCB representative formally joined the WMO Executive Council Capacity Development Panel



# Future meetings (virtual)

---



**unesco**

Intergovernmental  
Oceanographic  
Commission

## September 2025

- Reporting from the subgroups and JCB guidance on 1. GBON and 2. Data Management
- Discuss next steps on 3. coastal resilience and 4. capacity development

## 2026

- Updates on the 4 priority areas - JCB develop advice/action to IOC and WMO in March
- Report on results at the 59th IOC Executive Council in June



# Advice to Member States

---



WORLD  
METEOROLOGICAL  
ORGANIZATION



**unesco**

Intergovernmental  
Oceanographic  
Commission

## The JCB invites Member States to

- a. Collaborate within national systems on the four work areas identified by the JCB;
- b. Support the work of the JCB, and engage with it (through IOC national focal points and WMO Permanent Representatives), including on any common issues identified at the national level;
- c. Provide a written submission by 1 September 2025 identifying:
  - i. barriers and opportunities for delivering the actions under the four work areas above at the national level to inform the work of the JCB,
  - ii. future priority topics that the JCB could address ( recognizing that some future topics have already been identified and are listed in the JCB3 Part 2 report)
- d. Actively contribute to the prioritized work areas, in particular, the acceleration of the achievement and readiness of EW4ALL and early action by all.



**unesco**

Intergovernmental  
Oceanographic  
Commission

**THANK YOU**