

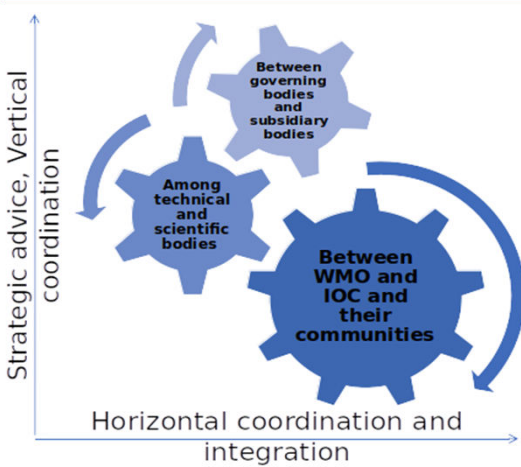
# Review of the IOC-WMO JCB Item 4.9



**Dr. T Srinivasa Kumar (IOC)**  
**Co-Chair of the Joint WMO-IOC Collaborative Board (JCB)**  
**Dr. Emma Heslop**  
**Acting Director Global Ocean Observing System (GOOS) Office**  
**27/06/2023**

# WMO Resolution 9 (Cg-18) / IOC Resolution XXX-2: WMO-IOC Joint Collaborative Board (JCB)

## Mechanism for strategic advice, coordination and integration



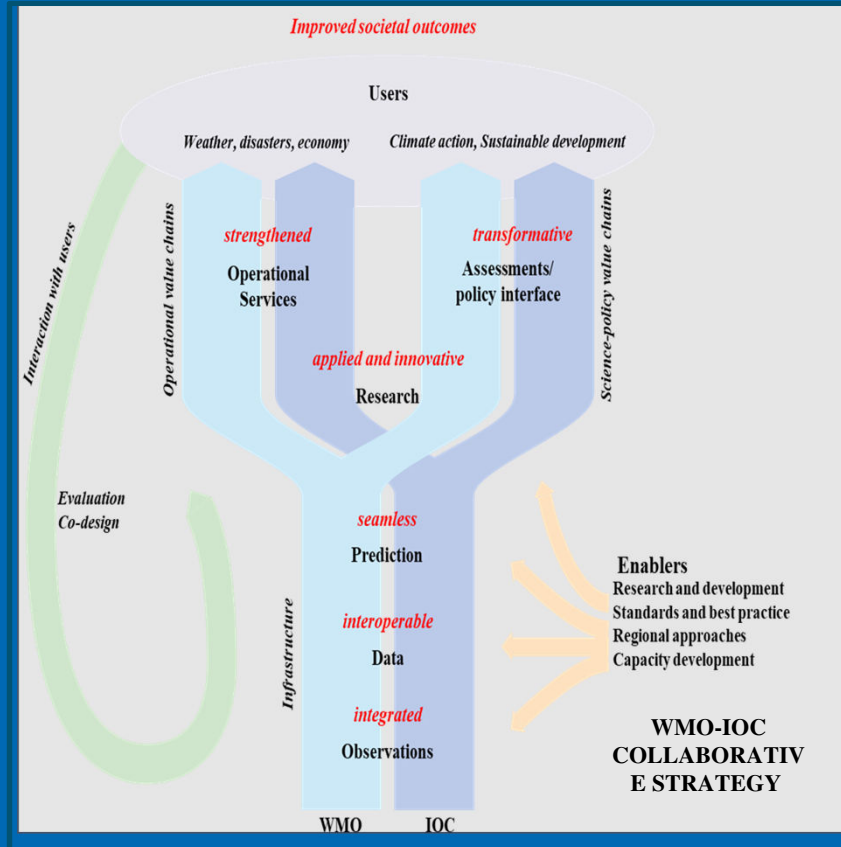
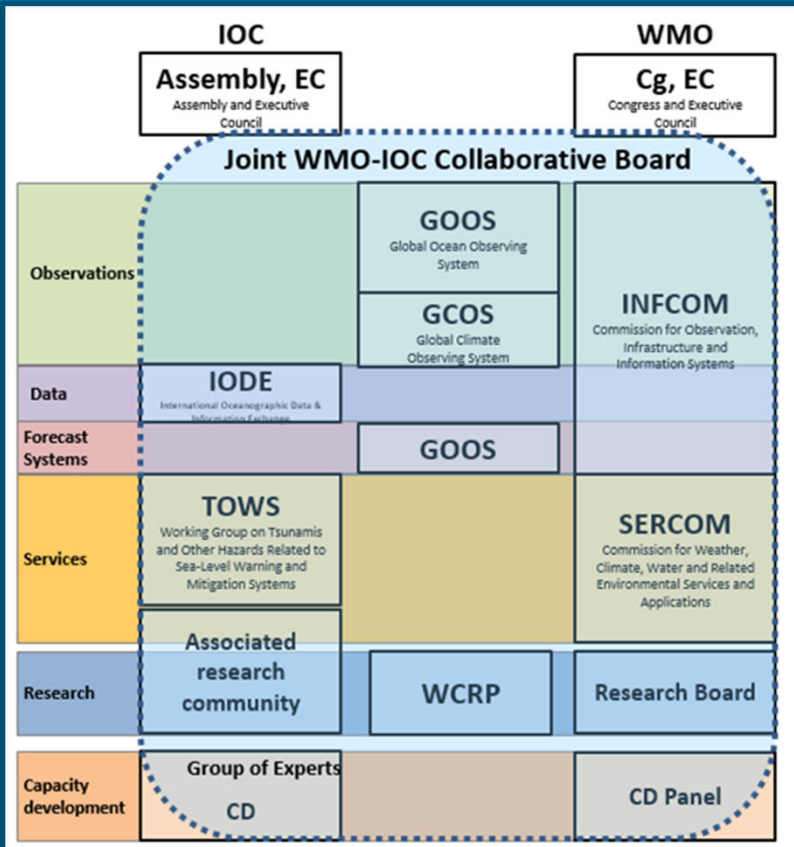
## Requests the JCB to:

1. Facilitate the continued work of all JCOMM functions and activities, by recommending connections to appropriate working structures on both sides
2. Make recommendations on evolving the governance for the Global Ocean Observing System, in consultation with all co-sponsors, to further develop the partnership and functional connections between GOOS and WIGOS
3. Prepare, in consultation with WMO and IOC technical, scientific and regional bodies, a comprehensive and coordinated WMO-IOC Collaborative Strategy, based on existing sectoral strategies, and submit in two years to WMO and IOC governing bodies for adoption

## Mandate of the JCB:

- a) To coordinate, through a quadrennial WMO-IOC collaborative strategy, the collaborative development, integration and implementation of the activities related to oceanographic and meteorological observation, data and information management, services, modelling and forecasting systems as well as research and capacity development carried out by WMO and IOC
- b) To provide the WMO and IOC governing bodies with strategic advice on joint work between WMO and IOC to achieve relevant objectives, including proposing new actions, as required, e.g. by preparing coordinated draft resolutions and/or decisions for both the WMO and IOC governing bodies,
- c) To review work plans and provide technical and scientific recommendations for WMO and IOC subsidiary bodies and programmes, including proposing cross-cutting projects, and
- d) To engage in liaison or consultation required with relevant intergovernmental and international stakeholders.

# WMO-IOC Collaborative Framework in Met & Ocean Domains



- Maximize opportunities to co-design joint work to improve provision of information and services for societal benefit
- Suggest initiatives to improve end-to-end links; enhance connections with research
- Influence how WMO and IOC jointly enable the delivery of information and services
- Consideration of regional needs across these themes

WMO and IOC create societal benefits with value chains of operational services and policy interface through met and ocean infrastructure such as observations, data management and forecasting systems, enabled by research, capacity development and regional collaboration

# JCB Timeline



**Creation of JCB**  
WMO Resolution 9 (Cg-18) / IOC Resolution XXX 2



**JCB-1**  
(9 online meetings)



**Joint Collaborative Strategy**  
Adopted by IOC and WMO



**JCB-2**  
Srinivasa Kumar (IOC) Co-Chair  
online meetings to identify practical actions



**Review and Implementation**  
How does JCB catalyse collaboration?



# JCB Membership (Since February 2022 - and next)

<b>Co-chair</b>	<b>WAS Albert Martis</b> <b>NOW Mrutyanjay MOHAPATRA</b> 3rd Vice-President of WMO	Curacao IV North America, Central America and the Caribbean	<b>Co-chair</b>	<b>Srinivasa Kumar Tummala</b> IOC Vice chair
<b>Observing system</b>	<b>Sidney Thurston</b> V-Chair SC-ON INFCOM	USA IV North America, Central America and the Caribbean	<b>Observing system</b>	<b>Toste Tanhua</b> Co-chair, GOOS SC
<b>Data processing &amp; management</b>	<b>Jeremy Tandy</b> V-Chair SC-IMT INFCOM	UK VI Europe	<b>Data and information management</b>	<b>Sergey Belov</b> Co-chair, IODE; former JCOMM Data Management Chair
<b>Forecasting systems</b>	<b>David Richardson</b> Chair SC-ESMP INFCOM	UK/ECMWF VI Europe	<b>Forecasting systems</b>	<b>Fraser Davidson</b> Co-chair, OceanPredict
<b>Services</b>	<b>John Parker</b> Chair SC-MMO SERCOM	Canada IV North America, Central America and the Caribbean	<b>Early warning and services</b>	<b>Alexander Frolov</b> Chair, TOWS WG
<b>Research</b>	<b>Matthew Wheeler</b> Member of Research Board	Australia V South-West Pacific	<b>Research</b>	<b>Lisa Alexander</b> CLIVAR
<b>WMO EC Members</b>	<b>WAS Hasegawa Naoyuki</b> <b>NOW Albert Martis (Curaçao)</b>	Japan II Asia	<b>IOC Member State Representatives</b>	<b>Hamid Alizadeh Lahijani</b>
	<b>Vacant</b>	/		<b>Alvaro Santiago Scardilli</b>
	<b>WAS Omar Chafki</b> <b>NOW Dwikorita Karnawati</b> (Indonesia)	Morocco I Africa		<b>Ashley Johnson</b>

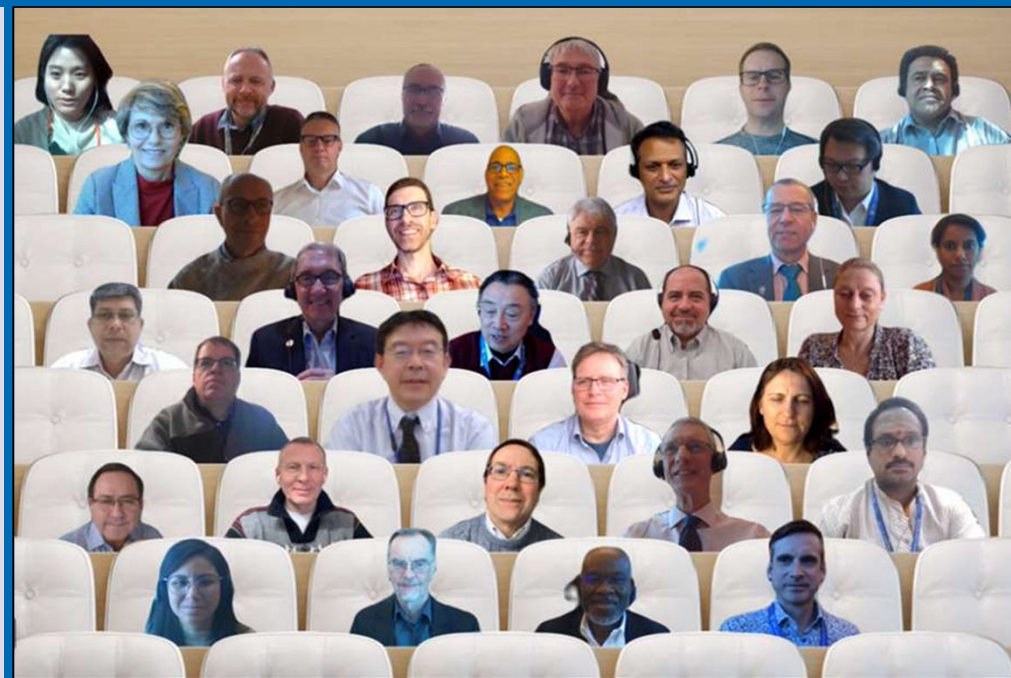


## 1-2 March 2022: 2nd JCB Meeting

### Second Session of JCB (JCB-2) 2x3hr online meetings March 2022, following the value chain approach

The expected outcomes of JCB-2 were to:

- Understand the role of JCB in adding value to the joint activities and mutual interest between WMO and IOC
- Identify gaps/possible areas of strengthened collaboration and to formulate recommendations to address these gaps
- Draft the outline of a work plan for 2022 – 2023



- Joint Presentations by Theme Leads of the IOC & WMO on Observations, Data, Forecasting, Services, Research, Regional Activities and Capacity Development to identify gaps and possible collaborations.
- Discussed the role of JCB and important steps in adding value to the activities of mutual interest of WMO & IOC

## How can the JCB add value / Steps agreed for 2022–2023

Observation	Data	Forecasting Systems, Services & Research	Capacity Development & Regional Cooperation
<ul style="list-style-type: none"> <li>● Enhanced synergy between GBON/RRR process and GOOS Co-Design</li> <li>● Increased focus on ocean carbon research and observing capacity</li> <li>● Development of proposals for Satellites ocean position white paper</li> </ul>	<ul style="list-style-type: none"> <li>● Harmonization of WMO and IOC data policy, guidance and consultations;</li> <li>● Collaboration on interoperability between IOC/IODE OIH/ODIS and WMO WIS;</li> <li>● Collaboration between IOC/IODE and WMO on ocean best practices (OBPS);</li> <li>● Enhanced involvement of all JCB members in developing WIS 2.0 and ODIS Implementation Plan;</li> <li>● Joint development of an ocean data map;</li> </ul>	<ul style="list-style-type: none"> <li>● Advancement of ocean prediction &amp; forecasting to benefit end-users and Members</li> <li>● Strengthened response &amp; resilience to coastal flooding hazards including tsunamis</li> <li>● Facilitate integration across models &amp; observations in the coupled system</li> <li>● Facilitate the co-design of services and products including new products</li> </ul>	<ul style="list-style-type: none"> <li>● Increased regional collaboration between WMO and IOC</li> <li>● Generation of links and harmonization of capacity development activities, programmes &amp; strategies</li> <li>● Increased avenues for marine meteorology and oceanography expert community to come together at regional/local level</li> <li>● Establishment of JCB Webinar Series across the value chain</li> </ul>
<ul style="list-style-type: none"> <li>● Intensified leveraging of existing strategic plans from WMO and IOC to achieve stronger contribution</li> </ul>			

## In Summary

- **JCB has fulfilled part of its charge from the IOC (2019) - WMO-IOC Collaborative Strategy adopted 2021**
- **JCB focused on setting broad ambition for cooperation across the value chain**, and identified a set of potential actions to support the implementation of these aims
- **progress has been made** regarding a number of the items
- **Overall progress has been slower than anticipated** COVID-19 impacting the ability of the JCB to meet in person
- **Mechanism for implementation** of a JCB Collaborative Strategy alongside other existing WMO and IOC strategies has yet to be worked out
- **Not fulfilled the requested review of its performance** after four years, and reporting to the IOC Assembly in 2023
- **A face-to-face meeting in Nov 2023**, planned to address the Work Plan progress & 4-year Review
- **Strong commitment from IOC and WMO** towards supporting the JCB in fulfilling its mandate
- **Undertake a stakeholder consultation** in next months with the IOC Officers with the IOC Executive



## Dec. A-32/4.9: Four-Year Review of the JCB

Recalling IOC Assembly Resolution XXX-2 (2019) creating the Joint WMO-IOC Collaborative Board, as a high-level coordination mechanism with broader engagement of the key relevant bodies of the WMO and IOC, and the decision to further to review, in coordination with WMO governing bodies, the performance of the Joint WMO-IOC Collaborative Board (JCB), at its 32nd session in 2023,

Having examined document IOC/A-32/4.9.Doc(1) on the progress of JCB,

Notes that WMO-IOC JCB has a role to play in providing oversight to the functional connections and identifying areas for closer collaboration between WMO and IOC;

Requests the IOC Executive Secretary to oversee the WMO-IOC JCB self-evaluation review of performance, and report back with the findings to IOC Executive Council in 2024;

Encourages WMO and IOC to provide sufficient resource to support the work of the WMO-IOC JCB.



**THANK YOU**