

**Intergovernmental Coordination Group for the
Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)
19th Meeting of the ICG/IOTWMS Steering Group
Jakarta, Indonesia
17 – 19 June 2025**

Having met for its 19th Meeting in Jakarta, Indonesia during 17 – 19 June 2025, and having reviewed the progress and inter-sessional workplans of the ICG/IOTWMS, agreed on the following Actions:

1. Working Groups and Task Teams to have regular virtual meeting and to consider the recommendations of the ICG, SG, TOWS-WG, IOC EC/Assembly, ODTP-SC, GTS-2, CATP in prioritizing their work plans [Working Groups & Task Teams]
2. Approved the calendar of events for the inter-sessional period (Annexure-1) considering the work plan endorsed by the ICG-XIV, recent budget cuts and new projects / opportunities
3. Working Groups and Task Teams to pursue the following specific actions:
 - I. Working Group 1 on Tsunami Awareness Preparedness and Response**
 - a. Review the draft booklet on ‘Strengthening Tsunami Warning Chains - A visual-based approach to support multi-stakeholder work processes’ for adoption as an IOTWMS document and put up to the TT-DMP for possible adoption as a global document [Action: Working Group 1]
 - b. Formulate a framework to determine how the proposed assessment tool for the downstream warning process may complement and align with existing surveys and tools [Action: Working Group 1]
 - II. Working Group 2 on Tsunami Detection, Warning and Dissemination & Task Team on New and Emerging Technologies**
 - a. Harmonise TSP Standard Operating Procedures (SOPs) for non-seismic events (i.e., TGV), and update the TSP service definition document and NTWC user guides accordingly [Action: Working Group 2]
 - b. Engage with relevant Working Groups in the other ICGs (i.e., PTWS) and adopt the recommended methodology to define optimal monitoring networks for the Indian Ocean [Action: Working Group 2]
 - c. Organise a regional webinar on tsunamis generated by volcanos / NAVAREA bulletins with support from the Secretariat [Action: Working Group 2]

- d. Formulate guidelines on best practice in cyber security [Action: Working Group 2]
- e. Develop a short document detailing the TSP products for sharing with NAVAREA coordinators and related maritime stakeholders and making updates to IOTWMS SDD and NTWC User Guide [Action: Working Group 2]
- f. Pursue the utilization of new technologies including the use of acoustic data for tsunami early warning in collaboration with Dr. Usama Kadri of Cardiff University [Action: Working Group 2 and Task Team on New Technologies]
- g. Formulate procedures for harmonizing early warning and response to multiple ocean hazards such as tsunami and storm surges, as a contribution towards Ocean Decade Challenge 6 and EW4All initiative [Action: Working Group 2]

III. Working Group 3 on Tsunami Ready Implementation

- a. Consider publishing the Global Tsunami Symposium book developed by BMKG as a UNESCO-IOC document in consultation with the WG-3, IOTWMS Secretariat, and IOTIC [Action: Working Group 3]
- b. Develop guidelines to measure the inclusivity and engagement of the most vulnerable tsunami ready communities [Action: Working Group 3]
- c. Review national tsunami preparedness programmes in India and Indonesia, UNESCO-IOC TRRP equivalency work in the PTWS and formulate guidance for the ICG IOTWMS [Action: Working Group 3]

IV. Sub regional Working Group for the Northwest Indian Ocean

- a. Pursue discussions on real-time seismic and sea level data sharing in the Northwest Indian Ocean region engaging the relevant stakeholders in the region and the TSP representatives [Action: WG-NWIO]

V. Task Team on Medium Term Strategy

- a. Consider integrating the GTS-2 and CATP report and outcomes into the IOTWMS Medium-Term Strategy [Action: Task Team MTS]
- b. In continuation of the progress made by the Task Team on Medium Term Strategy during the dedicated session of the Steering Group Meeting, writing responsibilities for various chapters to be completed by mid-August have been assigned as follows:
 - Introduction and Analysis of Current State: Co-Chairs of the TT MTS
 - Pillar 1: Risk Knowledge: Chair / Vice Chairs of WG 1 and WG 3
 - Pillar 2: Detection, Analysis & Forecasting: Chair / Vice Chairs of WG-2
 - Pillar 3: Warning, Dissemination & Communication: Chair / Vice Chairs of WG-2 and WG-NWIO
 - Pillar 4: Awareness & Response: Chair WG 1 / WG 3 / Head IOTIC

- Foundational Elements, Implementation & Monitoring: Co-Chairs of the TT MTS and Head IOTWMS Secretariat
- Executive Summary and Conclusion: Co-Chairs of the TT MTS

VI. Task Team on Exercise IOWave25

- a. Approved the scenarios, dates and calendar of events for Exercise IOWave 25 as highlighted in IOC Circular Letter 3041
 - b. Prepare for the pre-IOWave Exercise workshop (i.e. define the scope, timeframe, agenda) to be conducted in July or August 2025 in collaboration with the Working Group Chairs, Secretariat and IOTIC [Action: TT IOWave25]
4. Encourage the participation of Schools in the Tsunami United Programme and Experts from UN offices as in-country observers during the IOWave 25 Exercise [TT IOWave 25, IOTWMS Secretariat, IOTIC]
 5. Working Groups to closely collaborate with relevant Work Packages of the PCTWIN Project for mutual benefit of activities and work plans [All Working Groups].
 6. Maintain an action status spreadsheet for the Steering Group, Working Groups and Task Teams [Action: Secretariat]
 7. Review the Indonesia Aid project proposal for Tsunami Ready implementation in Indian Ocean SIDS and consider adoption as an ICG/IOTWMS project [Action: Steering Group / IOTIC / Secretariat]
 8. Continue to work on the budget allocations of UNESCO-IOC and IOTIC-BMKG to ensure that the activities planned for 2025 can be funded and implemented in 2026, in addition to the agreed work plan for 2026 [Action: IOTIC and IOTWMS Secretariat]
 9. IOTWMS Chair report to the 33rd Session of the IOC Assembly to include a request to UNESCO and IOC Tsunami Resilience Section to prioritise the recruitment of the National Professional Officer of Disaster Risk Reduction and Tsunami Information in UNESCO Regional Office in Jakarta to ensure the continuation and sustainability of IOTIC. [Action: ICG Chair, IOTIC and IOTWMS Secretariat]
 10. Continue strong linkages with regional partners including UNESCAP, UNDRR, WMO, UNDP, IOGOOS, IOCINDIO, IOCAFRICA, UCL, UoH, PTC, CDRI, IORA, IWMI, UCL, Industry, etc. for promoting tsunami related activities, strengthen observational networks, real-time data exchange and capacity building for implementation of the Tsunami Ready Recognition Programme [Action: IOTWMS Secretariat, IOTWMS Officers]
 11. Participate and facilitate strong representation of IOTWMS in major regional events and conferences including the First Conference of the Ocean Decade Tsunami Programme (10 – 11 November 2025, India), IUGG JTC International Tsunami Symposium 2025 (12 – 14 November 2025, India) and the International Indian Ocean Science Conference 2025 (01 – 05 December 2025, India) [Action: IOTWMS Secretariat, IOTWMS Officers].

12. Place on record deep appreciation for:

- UNESCO Regional Office in Jakarta for hosting the 18th Steering Group Meeting and supporting the implementation of the IOTWMS and IOTIC Programmes, Projects and Activities
- Working Groups, Task Teams, IOTWMS Secretariat, IOTIC, TSPs, NTWCs/TSPs of Member States for the progress of activities since the last ICG including the successful implementation of the TEMPP Workshop, Planning for IOWave25, UNESCAP Markan Project, FUST Project and fostering strong collaborations with regional partners and project initiatives (detailed list of activities in Annexure-2)
- Australian Bureau of Meteorology for hosting the Secretariat of the ICG/IOTWMS
- Indonesian BMKG for supporting the IOTIC-BMKG programme
- Indian National Centre for Ocean Information Services for hosting the TEMPP Workshop and facilitating linkages with PCTWIN together with UCL
- UNESCAP for supporting the project on strengthening tsunami warning in the northwest Indian ocean through regional cooperation and 2024 Capacity Assessment of Tsunami Preparedness
- 4 Programmes from the IOTWMS region by India (PCTWIN, TRRP Odisha, Submarine Cabled Observatory) and Indonesia (Tsunami Potential Anak Krakatau) that are endorsed by the UN Ocean decade as contributions to the Ocean Decade Tsunami Programme
- Dr. Harkunti Rahayu, Vice Chair of the ICG/IOTWMS for receiving the UNDRR Sasakawa Award
- Mr. Ardito Kodijat, Head IOTIC, (retiring in October 2025) for his immense contributions to strengthening community awareness and response activities of the IOTWMS

Annex-1: Calendar of events for the intersessional period starting June 2025

Sl No	Event	Time	Remarks / Coordination
1	IOC Assembly 33	25 June – 03 July	Chair Presentation
2	TT-IOWave 25 Meeting + WG Chairs + IOTIC + Secretariat	Last week of June 2025 (Online)	Finalisation of Agenda for Pre IOWave SOP Workshop
3	Pre IOWave 25 SOP Workshop	July / August 2025 (Online)	TT-IOWave 25 + WG2 + IOTIC + Secretariat
4	TGV + NAVAREA Webinar	August – September 2025 (Online)	WG-2 + IOTIC + Secretariat
5	TT/WG Meetings	One every 3 or 4 Months (Online)	Online
6	PCTWIN Meetings	PCTWIN Calendar	WG + TT Chairs + IOTIC + Secretariat
7	Exercise IOWave25	25 September – 05 November 2025	TT-IOWave 25 + Secretariat + IOTIC
8	UNESCAP Phase 3 + FUST Project Launch (Subject to approvals)	September 2025	IOTIC + Secretariat
9	Tsunami United 2025	July – November 2025 (online)	IOTIC
10	WTAD	05 November 2025	Secretariat + IOTIC
11	ODTP Conference & ITS2025	10-15 November 2025	Secretariat + IOTIC
12	IIOSC Conference	December 2025	Secretariat + IOTIC
13	Post-IOWave Webinar	December 2025 (Online)	Secretariat + IOTIC
14	Hazard Assessment Workshop (Maldives + Sri Lanka + Madagascar + Seychelles)	March 2026 (Hyderabad, India)	Subject to funds from UNESCAP + FUST + Secretariat RP + IOTIC RP
15	20 th Meeting of the ICG/IOTWMS Steering Group	First half of 2026	Secretariat
16	IOC Executive Council	June 2026	Secretariat
17	In-person SOP Workshop	July / August 2026 (Hyderabad, India)	Subject to funds from UNESCAP + Secretariat / IOTIC RP
18	In-person WG / TT / SG Meeting	July / August 2026 (back-to-back with 15 ?)	Subject to funds from UNESCAP + Secretariat / IOTIC RP

19	TRRP Facilitators Training in Indonesia (Bali)	July / August 2026	Subject to funds from UNESCAP
20	TRRP Community Training Madagascar	June / July 2026 (back-to-back with 17 ?)	Subject to funds from FUST
21	IOCINDIO / IOGOOS Session in Indonesia	TBC 2026	Secretariat + IOTIC
22	Preserving past tsunamis	2025 & 2026	Subject to funds from IOTIC-BMKG
23	National TRRP Training	2025 & 2026	Subject to funds from IOTIC-BMKG
24	Next ICG in Oman	November / December 2026	Secretariat