

**Working Group 1
Tsunami Risk, Community Awareness and Preparedness**

1. Terms-of-Reference

Liaise with other working group(s) and task team(s) within the ICG/IOTWMS and with working groups from the other ocean basins through the TOWS-WG to:

1. Assist, develop and strengthen the overall capacity and capability of Member States in tsunami hazard, risk assessment and mitigation, community awareness and preparedness, including for tsunamis generated by non-seismic and complex sources and multi-hazard framework.
2. Encourage Member States to mainstream tsunami Disaster Risk Reduction into sustainable development to help achieve resilient communities in the region.
3. Support implementation of IOWave Exercises.
4. Identify areas of priority for action following assessments, exercises, and real tsunami events.
5. Provide advice on user requirements and utility of tsunami warning products and services.
6. Provide advice to and collaborate with the UNESCO-IOC Indian Ocean Tsunami Information Centre (IOTIC) on education, awareness and preparedness including for non-seismic and complex sources.
7. Provide special attention to the needs of SIDS, LDCs, Africa in the work programme.
8. Develop WG1 work plans in line with the broad objectives of ODTP RDIP, Ocean Decade Challenge 6, EW4ALL.
9. Promote collaboration among academia, research institutions and disaster management offices to encourage multidisciplinary and multi sectoral interaction in ensuring tsunami risk knowledge are streamlined to risk reduction strategies.

2. Membership

Working Group 1 is composed of members nominated by Member States with expertise in disaster management, an invited IOTIC representative, and other invited observers as required, with a chairperson and two vice-chairpersons to be elected by the ICG.

- **Chair:** Dr Weniza (Indonesia), weniza@bmgk.go.id; weniza.bmgk@gmail.com
- **Vice-Chair:** Mr Mahendra S Ranganahalli (India), mahendra@incois.gov.in
- **Vice-Chair:** to be confirmed
- Dr Gareth Davies (Australia), gareth.davies@ga.gov.au
- Dr Ch Patanjali Kumar (India), patanjali@incois.gov.in
- Ms Hidayanti (Indonesia), hidayanti@bmgk.go.id
- Ms Trevi Jayanti Puspasari (Indonesia), trevi.jayanti@gmail.com
- Dr Khusnul Setia Wardani (Indonesia), khus001@brin.go.id
- Ms Khazainani Salleh (Malaysia), khznani@met.gov.my
- Mr Luqman Al Zadjali (Oman), Lalzadjali14@gmail.com
- Mr Ameer Haider Laghari (Pakistan), free2hyder@yahoo.com
- Mr K.A.D.P.K. Kodippili (Sri Lanka), pradeepkodippili@dmc.gov.lk

- Mr Hadif Alshehhi (UAE), ps.gdco@moi.gov.ae
- Mr Ali Almehrzi (UAE), ali.almehrzi@moi.gov.ae
- Ms Hissa Alblooshi (UAE), HSBlooshi@ncema.gov.ae
- Mr Ardito M Kodijat (IOTIC), a.kodijat@unesco.org

3. Actions from ICG/IOTWMS-XIV

Banten, Indonesia, 17-19 November 2024

ICG-XIV/WG1(i) Develop guidelines for Tsunami Ready Critical Infrastructure in collaboration with WG3 and share with the TOWS-WG in their next meeting.

ICG-XIV/WG1(ii) Probabilistic Tsunami Hazard Assessment for Indian Ocean including non-seismic sources.

ICG-XIV/WG1(iii) Develop Inclusive People Centred Early Warning DMO SOPs for near field tsunami.

ICG-XIV/WG1(iv) Develop draft assessment tool for the downstream warning process.

Actions from ICG/IOTWMS Steering Group-XIX

Jakarta, Indonesia, 17-19 June 2025

SG-XIX/WG1(i) 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

SG-XIX/WG1(ii) Formulate a framework to determine how the proposed assessment tool for the downstream warning process may complement and align with existing surveys and tools

4. Rules and Conditions

The following rules and conditions apply to all working groups and Task Teams of the Intergovernmental Coordination Group of the Indian Ocean Tsunami Warning & Mitigation System (ICG/IOTWMS):

- Working language: English
- Frequency of meetings: During inter-sessional period of the ICG/IOTWMS
- Coordination and elections: Following the rules of procedures applying to IOC subsidiary bodies, unless elected by the ICG/IOTWMS, a chair and at least one vice-chair will be elected by the members of the working group or task team for two years with possible re-election of one term in the same position
- Members and appointment: Nominated by Heads of ICG/IOTWMS National Delegations and/or Tsunami National Contacts of Member States in accordance with the rules of procedures applying to IOC subsidiary bodies. Technical experts and observers can be invited at the discretion of the chair
- Duration of the working group and task teams: Two years, renewable subject to review by the ICG/IOTWMS

- Programme of inter-sessional work is guided by its Terms-of-Reference decided by the ICG/IOTWMS and actions requested by the ICG/IOTWMS
- Inter-sessional work is generally conducted by email and teleconference, in addition to at least one face-to-face meeting subject to availability of members and budget
- Reports: A progress report must be submitted to the Secretariat two months before each ICG session and within two months of each working group or task team meeting with the assistance of the Secretariat.
- Financial resources: Participation in the working groups and task teams, including attendance at meetings, will be at national expense.

5. Reference Documents

Summary Report of the Fifty-seventh session of the IOC Executive Council, Paris, France, 25-26 June 2024: <https://oceanexpert.org/document/34751>

Summary Statement from 2nd UNESCO-IOC Global Tsunami Symposium, Banda Aceh, Indonesia, 11-14 November 2024: <https://oceanexpert.org/document/35594>

Summary Report of the Seventeenth Meeting of the Working Group on Tsunamis and Other Hazards related to Sea Level Warning and Mitigation Systems (TOWS-WG-XVII) Sendai, Japan, 22–23 February 2024: <https://oceanexpert.org/document/34558>

Decisions of the 14th Session of the ICG/IOTWMS, Banten, Indonesia, 17-19 November 2024: <https://oceanexpert.org/document/35572>

ICG/IOTWMS WG-1 Meeting Report, 19 August 2024: <https://oceanexpert.org/document/35116>

ICG/IOTWMS Steering Group Meeting Report, 5-6 February 2024: <https://oceanexpert.org/document/34628>

2024 Capacity Assessment of Tsunami Preparedness in the Indian Ocean: <https://oceanexpert.org/document/35564>

Exercise Indian Ocean Wave 23 (IOWave23) Report: <https://oceanexpert.org/document/35232>