Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)

<u>Working Group 1</u>
<u>Tsunami Risk, Community Awareness and Preparedness</u>

Chair: Dr Harkunti Pertiwi Rahayu

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 risk assessment and mitigation, community awareness and preparedness, including for tsunamis generated by non-seismic and complex sources.
2. Encourage Member States to mainstream tsunami Disaster Risk Reduction into sustainable development to help achieve resilient communities in the region.
3. Provide advice on any future development of IOC-UNESCO Tsunami Ready Recognition Programme.
4. Support implementation of IOWave Exercises.
5. Identify areas of priority for action following assessments, exercises, and real tsunami events.
6. Provide advice on user requirements and utility of tsunami warning products and services.
7. Provide advice to the IOC-UNESCO Indian Ocean Tsunami Information Centre (IOTIC) on educational, awareness and preparedness materials.
8. 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.

Activities may include:

1. Monitor, assess and routinely report to the Steering Group and ICG on the status of Tsunami Risk Assessments, Community Awareness and Preparedness in each Member State.

2. Seek resources and coordinate projects to develop guidelines and build capacity in Member States.

3. Support the organsation of workshops and symposiums for training and capability development.

4. Contribute to the conduct of regular exercises of the IOTWMS.

5. Encourage Member States to integrate tsunami risk assessment, community awareness and preparedness within national disaster risk reduction programmes for multi-hazards.

6. Stimulate and share information on best-practices between Member States.

7. Assist with development and application of guidelines on hazard, vulnerability and risk assessment and mitigation, exercises, and post-event surveys.

8. Work closely with Working Group 3 "Tsunami Ready Implementation", IOC-UNESCO IOTIC, and IOC-UNESCO Secretariat for the ICG/IOTWMS to help develop the capacity of Member States across the Indian Ocean to implement the IOC-UNESCO TRRP or similar initiatives.

9. Work closely with Working Group 2 "Tsunami Detection, Warning and Dissemination" and Working Group 3 "Tsunami Ready Implementation", IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for OICG/IOTWMS to help develop effective national tsunami warning chains, warning products, services, Standing Operating Procedures, and warning chains.

10. Under the direction of the Steering Group, assist with national assessments of the IOTWMS performance after each exercise and real tsunami event.

The Working Group will be 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.

Criteria for Working Group Membership

In addition to a good working knowledge of the operation of the IOTWMS, specific criteria for Working Group 1 Tsunami Risk, Community Awareness and Preparedness membership include **significant experience in one or more criteria listed below**.

- Intra/inter-disciplinary, multidisciplinary and multi-sectoral interactions to ensure tsunami risk knowledge is streamlined into risk reduction strategies.

- Development of community awareness and preparedness, preferably with respect to tsunami threat.

Rules and Conditions for

ICG/IOTWMS Working Groups and Task Teams

The following rules and conditions apply to all working groups and Task Teams of the Intergovernrmental 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.

ICG/IOTWMS Requests Working Group 1 to:

1. Address the recommendations of the 2018 Capacity Assessment of Tsunami Preparedness in the Indian Ocean;

2. Follow up the recommendations contained in the IOWave20 Exercise Report;

3. Update the Probabilistic Tsunami Hazard Assessment (PTHA) for the whole Indian Ocean in collaboration with relevant experts from the Member States, based on recent PTHA developed for the North-West Indian Ocean under the UNESCAP funded project "Strengthening Tsunami Early warning in the North-West Indian Ocean Through Regional Cooperation";

4. Develop community education materials in collaboration with IOTIC on the natural warnings signs for tsunamis generated by non-seismic and complex sources;

5. Develop guidance on Tsunami Ready indicators required for critical infrastructure (ports, harbours, airports, power stations, hospitals, etc.) to present to ICG and TOWS-WG Task Team Disaster Management & Preparedness (TT DMP) for consideration in the further development of the TRRP;

6. Noting the poor responses to the COVID-19 survey in 2021, provide a sub-nation case study to the 14th Session of the ICG to develop greater awareness of the issues and importance of preparedness to other Member States;

7. Noting the achievement of two Special Issues of IJDRB published in 2020 and 2021, discuss a possible topic for the next special issue related to warning and mitigation and UN ODTP that can include all ocean basins;

8. Noting the UN ODTP definition "The goal of an early warning system is the protection of life, as well as livelihoods", and further noting one of the two main goals of the UN Ocean Decade is that 100% of communities at risk from tsunamis be prepared and resilient through programmes like Tsunami Ready or other similar programmes implemented by the Member States". Working Group 1 needs to discuss the following issues:

    a) What is Community?

    b) How many Communities are at Risk from Tsunami?

      Are public awareness and educational activities conducted?

    c) Are public awareness and response tested and exercised?

    d) Institutionalizing Tsunami Awareness and Response?