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Intergovernmental
Oceanographic
Commission

Working Group 1

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Terms of References



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.

Terms of References



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 organisation 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.



- Prepare UNESCO IOC Tsunami Global Symposium
- Review and update CATP tools to be inline with the needs of WG1, WG3, WG2 and Task Teams
- Stimulate and share information on best-practices between Member States in 2023-204:
 1. News-letter monthly or bi-monthly → actively WAG → *social media (best option) for three or four per year, tsunami*
 2. Special Issue Journal to response the Ocean Decade Challenges - will be launched call for paper in March 2024 and publish during UNESCO IOC Global Tsunami Symposium
 3. Open access edited book “Two Decades After 2004 Indian Ocean Tsunami: Reflection and the Way Forward”, drawing upon inputs from each session - editor HPR, DA and RH
- Research grant from BC (HPR, DA and RH): Disability inclusive higher education for tsunami disaster risk reduction → to promote the involvement of educated disabilities participating in the development SOP for evacuation.
- Contribute to the work of TTDMP TOWS WG to response objectives of UN ODTB:
 - Synergy with Local and National Resilient Programmes, including Tsunami → The aspirational social outcome of the Ocean Decade Tsunami Programme is that 100% of communities at risk from tsunamis are prepared for and resilient to tsunamis by 2030 through efforts like the IOC-UNESCO Tsunami Ready Recognition Programme.
- Contribute to the work of TOWS WG the needs for the discussion and prepare guideline learning from ICGIOTWMS issues of *mainstream tsunami Disaster Risk Reduction into sustainable development to help achieve resilient communities in the region:*
 - Critical Infrastructures
 - ISO 22328-3 (Community-based Early Warning Systems for Tsunamis)

WG1 Issues and Challenges to respond UNODTP by 2030



1. The *awareness preparedness and response capabilities* of a community will depend on → through *active engagement of stakeholders at the national and local level* on the following component
 - Risk perception and awareness → The awareness of risk and self-evacuation capacities are particularly important where tsunami waves might arrive within minutes, and in SIDs and LDCs where warning capacity and infrastructure are limited
 - Community wide preparedness actions
 - Effective Response Planning and Capabilities
2. Implementation of Mitigation Measures:
 - a. by 2030 all at-risk communities have tsunami evacuation maps.
 - b. by 2030 communities have access to an inventory of best practices of plans and *structural and nature-based solutions* and that more communities have implemented plans and measures to minimize impacts to *critical infrastructure and marine assets* from tsunamis and other coastal hazards, and importantly *mainstreaming disaster risk reduction into urban planning*.
3. To ensure investment in capacity development for the different stakeholders involved in the tsunami warning and dissemination processes
4. To encourage and promote *inclusiveness and gender diversity*, and that youth and early career professionals

WG1 Issues and Challenges to respond UNODTP by 2030



4. to ensure investment in capacity development for the different stakeholders involved in the tsunami warning and dissemination processes, through:
 - OTGA-STC
 - Others which focus on SIDs and LCDs
 - Others with new breakthrough

5. to put emphasize initiatives of awareness and preparedness on non-seismic tsunami

WG1 Plans and timelines 2024



- 2024: 2nd UNESCO IOC Tsunami Global Symposium **11-14 November 2024**
- Refine CAPT tools completed by **Mid March 2024** hand it over to Secretariat
- Research grant from British Council (HPR, DA and RH): Disability inclusive higher education for tsunami disaster risk reduction → development SOP for evacuation (March – December 2024)
- Special Issue Journal to response the Ocean Decade Challenges - will be launched call for paper in March 2024 and publish during UNESCO IOC Global Tsunami Symposium
- Open access UNESCO IOC Publication edited book “Two Decades After 2004 Indian Ocean Tsunami: Reflection and the Way Forward”, drawing upon inputs from 2nd UNESCO IOC Global Tsunami Symposium each session - editor HPR, DA and RH (November 2024 – publish in February 2025)