



unesco

Intergovernmental
Oceanographic
Commission

WG1 Tsunami Risk, Community Awareness and Preparedness Report and Recommendation

Chair

Harkunti P. Rahayu

Vice Chairs

Dr. Gareth Davis (Australia) - Vice Chair for Hazard Assessment

Mr. AlYagdam Al-Siyabi (Oman) - Vice-Chair for Awareness and Preparedness

WG1 Members

Members

1. Dr. Harkunti P. Rahayu (Indonesia) - Chair
2. Dr. Gareth Davis (Australia) - Vice Chair for Hazard Assessment
3. Mr. AlYagdam Al-Siyabi (Oman) - Vice-Chair for Awareness and Preparedness
4. Mr. Ajay Kumar Bandela (India)
5. Mr. Mahendra S. Ranganahalli (India)
6. Ms. Azahani Abd. Aziz (Malaysia)
7. Ms. Smreetee Cyparsade (Mauritius)
8. Ms. Noura Al-Kaabi (Oman)
9. Mr. Khalifa Al-Sundairi (Oman)
10. Dr. Prasong Thammapala (Thailand)
11. Prof. Dilanthi Amaratunga (UK) - Invited Experts
12. Prof. Richard Haigh (UK) - Invited Experts
13. Mr. Rick Bailey (ICG/IOTWMS Secretariat)
14. Ms. Nora Gale (ICG/IOTWMS Secretariat)
15. Mr. Adito Kodijat (IOTIC)

Active Experts/Personnels:

1. Weniza (Indonesia)
2. Suci Dewi Anugrah (Indonesia)
3. Mohammad Mokhtari (Iran)
4. Mahmood Reza Akbarpour Jannet (Iran)
5. Mmaphaka Tau (South Africa)
6. Sunil Jayaweera (SriLanka)
7. Harald Spahn (Germany)

ICG/IOTWMS Working Group 1: Tsunami Risk, Community Awareness and Preparedness

Chair: Dr. Harkunti Pertiwi Rahayu (Indonesia)

Vice-Chair for Awareness and Preparedness: Mr. AlYaghdhan Al-Siyabi (Oman)

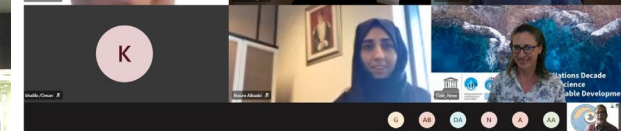
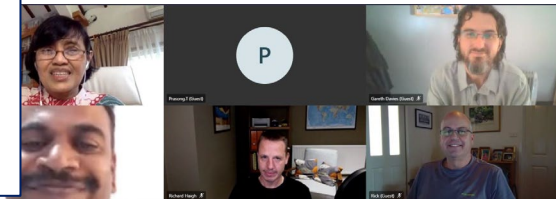
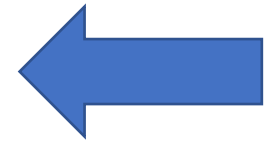
Vice-Chair for Hazard Assessment: Dr. Gareth Davies (Australia)

Members

- Mr. Ajay Kumar Bandela (India)
- Mr. Mahendra S. Ranganahalli (India)
- Mrs. Azahani Abd. Aziz (Malaysia)
- Mrs. Smreetee Cyparsade (Mauritius)
- Ms. Noura Al-Kaabi (Oman)
- Mr. Khalifa Al-Sundairi (Oman)
- Dr. Prasong Thammapala (Thailand)
- Officer from India DMO (OSDMA, Odisha) - tba
- Pakistan Expert - tba

Invited Experts

- Prof. Dilanthi Amaratunga (Global Disaster Resilience Centre)
- Prof. Richard Haigh (Global Disaster Resilience Centre)



WG1 Terms of Reference (1)

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.
2. Encourage Member States to mainstream tsunami Disaster Risk Reduction into sustainable development to help achieve resilient communities in the region.
3. Identify areas of priority for action following assessments, exercises and real tsunami events.
4. Provide advice on user requirements and utility of tsunami warning products and services.
5. Provide advice to the Indian Ocean Tsunami Information Centre (IOTIC) on educational, awareness and preparedness materials.
6. 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.

WG1 Terms of Reference (2)

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 build capacity in Member States.
3. Organise 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 with Working Group 2 "Tsunami Detection, Warning and Dissemination" to develop effective warning products, services, Standing Operating Procedures and warning chains.
9. Under the direction of the Steering Group, assist with national assessments of the IOTWMS performance after each exercise and real tsunami event.

Recommendations to ICG to address gaps and challenges

ICG/IOTWMS WG1 Recommendations

1. **Tsunami Ready Implementation Guidance:**

Secretariat with the support of IOTIC and WG1 Members to develop urgently an online webinar for Tsunami Ready Focal Points on tools and strategies for implementing TR, supporting by a one-page brochure.

2. **Tsunami Ready and Critical Infrastructure Guidance:**

WG1 to develop guidance on TR indicators required for critical infrastructure (ports, harbours, airports, power stations, hospitals, etc) to present to ICG and TT DMP for consideration

ICG/IOTWMS WG1 Recommendations

3. Response to COVID 2021 Survey:

Noting the poor responses to the COVID-19 survey in 2021, Sri Lanka to provide a sub-nation case study to next ICG to develop greater awareness of the issues and importance of preparedness to other Member States.

4. DRR into Spatial Planning:

Noting spatial planning isn't covered under TRRP, MS need ensure spatial planning is also taken into consideration at the city, province, and national level with respect to overall preparedness and sustainable resilience

ICG/IOTWMS WG1 Recommendations

5. 2018 Capacity Assessment follow up: WG Action Plan

Recommend WG1 (and WG2) develop responses/actions to each recommendation from CATP to present to ICG

6. MS Status Report to ICG XIII:

Secretariat to review Survey for CTP to develop subset of questions for MS to respond to help prepare status report of IOTWMS at each ICG.

ICG/IOTWMS WG1 Recommendations

7. Next International Journal Special Issue:

Noting the achievement of 2 Special Issues of IJDRB published 2020 and 2021.

Discuss possible topic for next special issue related to warning and mitigation and UN Ocean Decade Tsunami Programme, that can include all ocean basins.

8. Overall Comms plan by Secretariat:

Secretariat to develop an overall Communications Plan (internal and external) for the ICG/IOTWMS

ICG/IOTWMS WG1 Recommendations

9. Training Programme:

Noting developments towards TR module of OTGA by IOTIC to be available in 2023 in support of TR implementation.

10. KPIs:

Noting the development of global KPIs by TOWS-WG, further noting the results of CATP 2018 and plans to develop standardized MS reporting to each ICG, WG1 and WG2 to further coordinate with TOWS-WG requirements of ICG/IOTWMS

ICG/IOTWMS WG1 Recommendations

11. KPIs:

Noting the development of global KPIs by TOWS-WG, further noting the results of CATP 2018 and plans to develop standardized MS reporting to each ICG, WG1 and WG2 to further coordinate with TOWS-WG requirements of ICG/IOTWMS

12. PTHA for Indian Ocean:

Noting following the Makran work

Suggests to update the IO PTHA

ICG/IOTWMS WG1 Recommendations

13. Response to GPDRR 2022 recommendations Bali Agenda for Resilience (BAR)

Noting the follow-up action of GPDRR on 7 of recommendations Bali Agenda for Resilience (BAR).

Suggests the importance of achieving the *sustainable resilience*, learning from Indonesia through.

1. SR is locally led, built on local context and strongly supported by the State
2. SR can only be achieved when collaborations with passions take place among the "Pentahelix Stakeholders"
3. SR will thrive upon the availability of adequate, predictable, and decentralized financing
4. SR will only be meaningful when everyone is involved, everyone has a role, and no one left behind
5. SR will progress exponentially when innovations and technology are backed by global resources a developed with local context

ICG/IOTWMS WG1 Recommendations

14. Tsunami Ready Symposium:

Request SG note and endorse proposed symposium
“Implementing Tsunami Ready in the Indian Ocean”, in Bali
November 22-26, 2022

ICG/IOTWMS WG1 Recommendations

15. Response to UN ODTP

Note and discuss UN ODTP definitions “The ultimate goal of an early warning system is the protection of life, as well as livelihoods. One of the two main goals of the decade is that **100% of communities at risk from tsunamis be prepared and resilient** through program like Tsunami Ready or other similar program owned by the Member States”.

Note and discuss 5 issues:

- Q1 : What is Community?
- Q2 : How many Communities are at Risk from Tsunami?
- Q3: Are public awareness and educational activities conducted?
- Q4: Are public awareness and response tested and exercised?
- Q5: Institutionalizing Tsunami Awareness and Response ?

ICG/IOTWMS WG1 Recommendations

16. Tsunami Ready Working Group?

Focus on TR implementation, be continuous and involve TR Focal Points, integrate future outcomes from WG1 and WG2 and TOWS-WG as required.

17. WG1 ToRs and Continuation

Recommend to add new ToR on Tsunami Ready:

Provide advice and guidance (to TR WG) on the implementation of the Tsunami Ready Recognition Programme in the Indian Ocean

Thank you ...