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Intergovernmental Oceanographic Commission

## WORKING GROUP 3 Tsunami Ready Implementation

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Meeting of ICG/IOTWMS Working Group 3 7 February 2004, Hyderabad, India

## **TOR WG 3 TSUNAMI READY IMPLEMENTATION**



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. Monitor and evaluate the implementation Tsunami Ready Recognition Programme, National Warning Chains, and related activities to deliver tsunami resilient and prepared communities for the Indian Ocean, Provide guidance on tsunami hazard and risk assessment, including for tsunamis generated by non-seismic and complex sources.
- 2. Provide guidance to Member States on reviewing and enhancing national tsunami warning chains.
- 3. Provide guidance on how to nationally initiate IOC-UNESCO Tsunami Ready Recognition Programme (TRRP) and similar initiatives
- 4. Facilitate sharing of experiences between Member State Tsunami Ready Focal Points (TRFPs),
- 5. Update Member States on IOC-UNESCO TRRP developments and other related initiatives
- 6. Develop exercise tools and coordinate implementation of IOWAVE Exercises and other drills as required
- 7. In collaboration with IOC-UNESCO IOTIC and IOC-UNESCO Secretariat for ICG/IOTWMS, identify capacity development and resource needs of Member States to implement TRRP, national tsunami warning chains, and related activities
- 8. Assist with training programmes of Member States implemented by IOC-UNESCO IOTIC and coordinated by IOC-UNESCO ICG/IOTWMS Secretariat to facilitate enhanced national tsunami warning chains and at-risk communities becoming resilient and prepared for tsunamis
- 9. Provide an annual report on Tsunami Ready implementation to the Steering Group

# 1<sup>st</sup> WORKING GROUP 3 MEETING



Intersessional Meeting of ICG/IOTWMS Working Group 3 on Tsunami Ready Implementation, 24 August 2023



- The first Intersessional Meeting of ICG/IOTWMS Working Group 3 on Tsunami Ready Implementation had been conducted on 24 August 2023
- Decision: to have a nomination of the National Tsunami Ready Focal Point (NTRFP) trough issuing the circular letter
- Several MS has gave a feed back to nominate the NTRFP
- Expecting to have NTRFP meeting

### **IOC-UNESCOTSUNAMI READY RECOGNITION IN THE INDIAN OCEAN m** unesco



Noliasahi

Venkatraipur

INDIA





West Sumatera - Indonesia is Tsunami Ready

Nagari Tapakih



IN CASE OF STRON OR LONG EARTHOUAKE



- One community had been recognized as IOC-UNESCO Tsunami Ready in 2024. Now there are 12 communities of the IO had been recognized
- Expecting 24 communities from India will be recognized

## **COMMUNITIES PLANNED TO BE RECOGNIZED**











9 communities had ben nationally recognized in Indonesia

- 1. Sidaurip, Cilacap
- 2. Pangastulan
- 3. Parangtritis
- 4. Tirtohargo
- 5. Srigading
- 6. Sari
  - 7. Poncosari
- 8. Hative Kecil, Ambon
- 9. Desa Galala, Ambon



- 3 communities had been nationally verified:
- Cikakak, Sukabumi, Jawa Barat
- Citepus, Sukabumi, Jawa Barat
- Krakatau Sarana Properti, Banten

Seychelle Tsunami Ready Communities in the iniatial process of the Tsunami Ready Recognition Program

## **OCEAN TEACHER GLOBAL ACADEMY** Training on the Tsunami Community Preparedness









Date : 4-11 Dece

: 4-11 December 2022

Participant : 30 orang (Indonesia, Thailand, Seychelles, Filipina, Malaysia, Bangladesh) Participant Composition: Community and Disaster PreparednessPlayer

# **CAPACITY DEVELOPMENT ACTIVITIES IN 2023**

Νο	Activities	Date
1	SOP Workshop for the West Indian Ocean	03-06 July
2	SOP Workshop for the Eastern Indian Ocean,	10-13 July 2023
3	SOP Workshop for the North West Indian Ocean,	7-8 August 2023
4	Tsunami Ready Training Timor Leste (with IOTIC)	31 July- 1 August 2023
5	Tsunami Ready Training Seychelles (with IOTIC)	31 July- 1 Agustus 2023





Tsunami Ready Training in Seychelles

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Tsunami Ready Training in Timor Leste

**SOP** Training

## **OTHER ACTIVITIES**

- 1. Supporting the IOWave Task Team for the IOWave Exercise
- 2. Coordinating with the WG1 to develop the capacity assessment questioner
- 3. Webinar to Commemorate the WTAD (Fighting Inequality for Resilience Future) cooperation with IOTIC and WG 1, 7 November 2023
- 4. Promoting the Tsunami Ready through several publication
- 5. Promoting Tsunami Ready IO Regional Decade Conference 2024, 1-3 February 2024
- 6. Promoting Tsunami Ready in the Satellite event of "*Cities and Communities Joining Tsunami Ready*" of the UN Decade Conference in Barcelona, April 2024
- Promoting the Tsunami Ready in the Oman OJT and Timor Leste 13-21 March 2023
- 8. Capacity Development Assessment under the UNESCAP Project





WG 3 Meeting ICG/IOTWMS, 7 February 2024

การใช่ชวดอยางกลมกลนบนความเสยง: ชมชนในประเทศอนโดนเชย มความพรอมรบมอสนาม (Tsunami Ready) Living in Harmony with Risk: Indonesian Tsunami Ready Communities

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#### Abstract

West of Sumatra, South of Java, Bali and Lombok Villages are highly vulnerable to natural disasters such as tsunamis caused by an earthquake triggered by the subduction zone between Indo-Australia Plate and Eurasian Plate. For this reason, the Indonesia Agency for Meteorology, Climatology, and Geophysics (BMKG) considers to introduce an Indonesia Tsunami Ready Recognition Program (TRRP) that will encourage communities to build, strengthen and develop their capacity and ability to respond to tsunami threats. In this paper we try to expresses the community actualization on hazard assessment. preparedness, and response as the result of the Indonesian Tsunami Ready

Recognition Program. The assessment is based on the 12 indicators of the tsunami ready which had been determined by the United Nations Educational, Scientific and Cultural Organization the Intergovernmental Oceanographic Commission (UNESCO-IOC). A field survey of the 12 indicators has been carried out to assess nine communities (Panggarangan, Pangandaran, Gelagah Kemandang, Tambakrejo, Kuta Mandalika, Tanjung Benoa, Purus, and Lolong Belanti) living in the tsunami prone area Generally, the results showed the communities didn't have the updated tsunami hazard map as the hazard assessment indicator. The previous hazard map was not established based on the latest seismological study and tsunami

The 1<sup>st</sup> National Academic Conference in association with Thai Network for Disaster Resilience

## 2<sup>nd</sup> UNESCO IOC GLOBAL SYMPOSIUM Banda Aceh, 11-14 November 2024

- To commemorate the 20<sup>th</sup> years of the Indian Ocean Tsunami
- Open for public
- Activities:
  - Symposium and Poster Session
  - Exhibition and Ignite Stage
  - Video Competition
  - Tsunami Ready Inauguration including the 4 communities in Aceh (Gampong Jawa, Deah Glumpang, Mon Ikeun, Lamkrut)







Coordination and survey for the Tsunami Ready in Aceh



2<sup>nd</sup> UNESCO IOC Global Tsunami Symposium Two Decades After 2004 INDIAN OCEAN TSUNAMI

#### Monday 11<sup>th</sup> - Thursday 14<sup>th</sup> November 2024 in BANDA ACEH, INDONESIA

#### AIMS AND SCOPE

- Aims:
- ◆ To commemorate two decades after 2004 Indian Ocean Tsunam
- To reflect what has been achieved in two decades
- To identify gaps, challenges and priorities for tsunami early warning
- To identify synergy with global challenges and coherence with global commitments
- To gather global tsunami community

#### Scope:

- Session 1-6 (Day 1 and 2) are open to public.
- Day 3 : Field Trip to Tsunami Museum and Tsunami Ready Community Village to witness Tsunami Drill.
- Session 7-8 (Day 4) aims to formulate the way forward and identify actions.
- Invited speakers for the sessions will be nominated/selected from global and local prominent academia, engineers, practician, politician and public figures.
- Day 1 and 2 with anticipated 800 participants, who can express or give intervention during discussion.
- Day 4 is for the invitation only, anticipated 100 participants
- Several side events:
- Exhibitions, Poster Sessions
- Ignites Stage,
  Rumah Resilience,
  Local elementary school drawing competition will be organized by IABI and USK.

 Global Video Competition for youth (high school) will be organized by IOTIC-BMKG.
 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.
 Tsunami Ready Inaguration.

### Initial Promotion flyer

### **IMPLEMENTING TSUNAMI READY FOR CRITICAL INFRASTRUCTURE**

- Implementing Tsunami Ready to Airport and Port (The Yogyakarta International Airport (YIA) in South Java, Ngurah Rai, Minangkabau International Airport). The YIA facilitate a shelter evacuation for the Tsunami Ready Community of Glagah, since the airport is the only infrastructure which has a high building in their neighborhood.
- The community of Tanjung Benoa Village-Bali has a support from the hotel to utilize the hotel's roof top for evacuation place.
- Implementing Tsunami Ready for the Industrial Estate: develop the Standard Operating Procedures and other communication chain, Tsunami Hazard map, Simulation, Capacity Development activities. The Industrial Estate facilitated the Siren, Assembly Point, and Evacuation Sign for the fishing community









Tsunami Ready in Krakatau Industrial Estate

Evacuation shelter for tsunami in the YIA and Hotel that also used by the community surrounding as the evacuation place



### **ISSUES**

- a) Less participation on the Implementation of Tsunami Ready: to conduct the NTRFP in order to encourage the implementation of Tsunami Ready Recognition in the Indian Ocean
- b) Difficulties to full fill the 12 indicators: to levelling the Tsunami Ready from standard level to advance (full skill)
- c) Limited resources to process the recognition including to verify the TRC: to have Tsunami Ready Facilitator Course for having capacity on verification
- d) Less awareness of tsunami due to the rare event, based on our observation during the tsunami ready in Seychelles, because of they do not have the local source of tsunami, the issue on the tsunami preparedness is not considered to be prioritized: need a support on capacity development activities to raise the awareness
- e) Monitoring the Tsunami Ready Community to make sure the sustainability of the Tsunami Ready Implementation: need a platform/format to monitor the Tsunami Ready Community

### **ISSUES RELATED TO OTHER WORKING GROUPS AND TASK TEAM**

### **WG 1**:



- To utilize the result of the capacity assessment for the Tsunami Ready Aspect as a reference to follow up the workplan of the WG3
- Having the estimate number of people villages at risk in the Indian Ocean

### WG 2:

Having collaboration to develop a guideline on the non seismik Tsunami SOP for the NTWC/NDMO to be used as a reference for the community in order to response appropriately

### IOWAVe Task Team:

To utilize the IOWave exercise to evaluate the implementation of 12 indicators of Tsunami Ready, to add evaluation points of the Tsunami Ready Indicators on the Evaluation Form

### **NWIO Task Team:**

Collaboration in the implementation of Tsunami Ready in the NWIO

## **Plans and timelines**



No	Plan	Time		
		Short term 2024	Medium Term 2024-2026	Long Term 2026-2030
1	NTRFP meeting	March 2024		
2	Tsunami Ready Training in Maldives, expand to Srilanka	August 2024		
3	Advocacy for Seychelles and Timor Leste to implement Tsunami Ready,	During 2024		
4	Advocacy for 16 communities in Indonesia to be recognized as IOC- UNESCO TRC, to be inaugurated in	During 2024		
5	Monitor and Evaluation of Tsunami Ready	During 2024		
6	Global Symposium	November 2024		
7	Tsunami Ready Facilitator Training	2024		
8	Short Version of the Guideline on Tsunami Ready		2025	
9	Tsunami Ready Implemention prioritized for the SIDs and LDCs			

## **Steering Group's Outcome**



- a) Start to monitor the report of the Tsunami Ready Community that has been recognized, coordinate with IOTIC
- b) Continue coordination with the WG 1 to develop the capacity assessment questioner for the Tsunami Ready aspect.
- c) Coordinate with the WG1/TTDMP to continue working on the preparation of the Global tsunami Symposium
- d) To follow up the implementation of Tsunami Ready in the NWIO through the UN ESCAP Project phase 3. Coordination and initial work between WG3 and the Task Team of NWIO should be conducted before the UN ESCAP Project is started. Expected at least 5 MS will implement the Tsunami Ready.
- e) Coordinate with the TTDMP of the TOWS to endorse the implementation of Tsunami Ready for the Critical Infrastructure
- f) Coordinate with the TTDMP and IOTIC to endorse the recognition of other similar activities of the tsunami preparedness in order to achieve the aims of the 100% .....
- g) Coordinate with the Secretariat to Conduct National Tsunami Ready Focal Point
- h) Coordinate with the IOTIC to conduct the Tsunami Ready Facilitator
- i) to develop the guideline of the short version of Tsunami Ready Implementation in coordination with WG1/TTDMP to be endorsed by the TOWS WG



## **THANK YOU**

## Agreed WG3 Work Plan



- a) monitor the report of the Tsunami Ready Community that has been recognized, coordinate with WG 1 and IOTIC, WG1
- b) Reviewed and updated the CATP tools, WG 1
- c) Synergizing the local and national resilient program, WG 1
- d) Tsunami Ready for the critical infrastructure, WG 1
- e) Conduct the awareness on the non seismic tsunami, WG 1
- f) To develop the SOP of Non Seismis Tsunami, with the WG 2`
- g) Coordinate with the 5 MS NWIO to implement the Tsunami Ready
- h) Monitor the process of the TRR Application, with IOTIC
- i) Coordinate to produce the awareness education material with IOTIC
- j) TR Capacity development for the SIDS with IOTIC (Maldives, Srilanka, Seychelles, Timor leste)