WORKING GROUP 3
Tsunami Ready Implementation

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Intergovernmental
Oceanographic
Commission

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The Establishment of the WG 3 of the ICG/IOTWMS

13th Session IOC-UNESCO Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System, Bali, 28 November to 1 December 2022

14th Session IOC-UNESCO Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System, Banten Indonesia 2024

First establishment of the WG 3:
- 13th Session ICG/IOTWMS in Bali 2022: The establishment of the WG 3, Tsunami Ready implementation
  - Chair: Suci Dewi Anugrah (Indonesia)
  - Veronique Philloe (Seychelles)

Continue Working of the WG 3:
- 14 th Session Session ICG/IOTWMS in Banten, Indonesia 2024: Continue work of the WG 3, Tsunami Ready Implementation:
  - Chair: Suci Dewi Anugrah (Indonesia)
  - Dr. Ali Khoshkholgh (Iran)

WG3 MEMBERS (2024-2026)

Working Group 3 is composed of ICG/IOTWMS TRRP experts, Member State Tsunami Ready Focal Points (TRFP), invited experts, IOTIC, Secretariat.

Chair: Ms Suci Dewi Anugrah (Indonesia)

Vice-Chair: Dr Ali Khoshkholgh (Iran)

1. Mr Matthew Zanini (Australia TRFP)
2. Mr Netai Chandra Dey Sarker (Bangladesh TRFP)
3. Ms Haniya Abdoulkarim Said (Comoros TRFP)
4. Dr T.M. Balakrishnan Nair (India TRFP)
5. Ms V Sunanda Manneela (India)
6. Ms Hidayanti (Indonesia TRFP)
7. Ms Kian Purna Sinki (Indonesia)
8. Mr Abdul Rosid (Indonesia)
9. Admiral Musa Julius (Indonesia)
10. Ms Aminingrum (Indonesia)
11. Dr Dinar Catur Istiyanto (Indonesia)
12. Dr Samad Hamzei (Iran TRFP)

13. Dr Phillip Okello Ochieng (Kenya TRFP)
14. Dr Charles Magori (Kenya TRFP)
15. Mr Adriamiranto Raveloson (Madagaskar TRFP)
16. Ms. Siti Mariam Binti Abu (Malaysia TRFP)
17. Ms. Aishath Shiuni Abdul Sattar (Maldives TRFP)
18. Ms Shivanee Appadoo (Mauritius TRFP)
19. Mr Agnaldo Emanual Bila (Mozambique TRFP)
20. Mr Dechlan Pillay (South Africa TRFP)
21. Mr Chathura Liyanaarachchige (Srilanka TRFP)
22. Mr Martinho Fatima (Timor Leste TRFP)
23. Mr Mariano Ana Lopes (Timor Leste TRFP)
24. Mr Abdulla Ahmed AlSharhan (UAE TRFP)
25. Mr Ali Abdulla Ali AlMehrzi (UAE TRFP)

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 other ocean basins through the TOWS-WG to:

1. Monitor and evaluate the implementation of the UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) and similar initiatives.
2. Promote and provide guidance on how to nationally initiate TRRP and similar initiatives.
3. Facilitate the capacity development of TRRP and sharing of experiences between Member States.
4. Update Member States on TRRP developments and other related initiatives.
5. Explore the possibilities of extending the Tsunami Ready indicators to other sectors such as to critical infrastructures.
6. Provide advice to and collaborate with the UNESCO-IOC Indian Ocean Tsunami Information Centre (IOTIC) on capacity building for TRRP.
7. Prioritize SIDS, LDCs, Africa and NWIO region in the work programme.
8. Integrate ODTP RDIP into the WG3 work plan

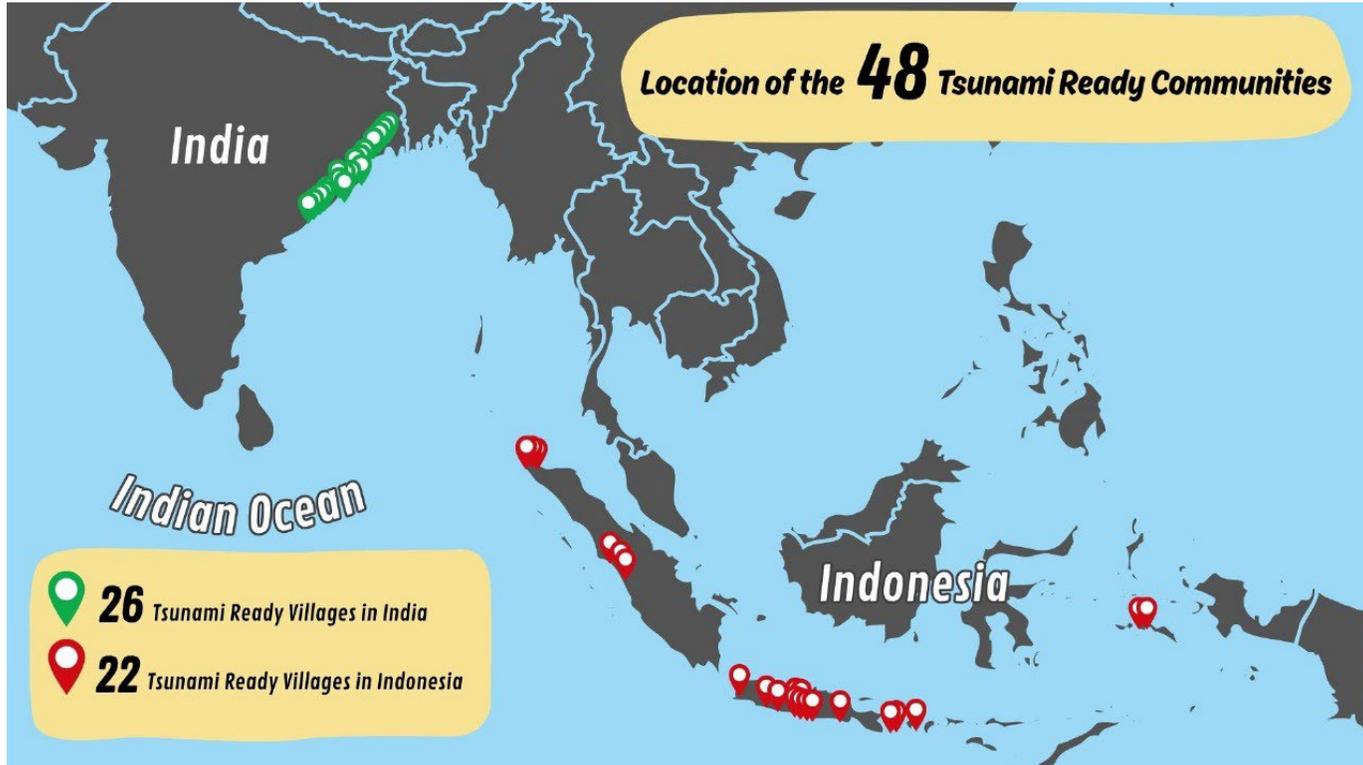# ACTION REQUESTED TO WG3 FROM THE ICG/IOTWMS 2024 MEETING

1. Encourage Member States to establish National Tsunami Ready Board (NTRB) or consider including its role, responsibilities, and functions in the existing disaster management coordination mechanism.
2. Review the guidance on Tsunami Ready Equivalency of ICG/PTWS.
3. Review national tsunami preparedness programmes in the Member States and prepare guidance on similar initiatives to the UNESCO-IOC Tsunami Ready Recognition Programme as contribution to the UN Decade Tsunami Program.
4. Encourage members to identify potential communities for implementing the Tsunami Ready Recognition Program
5. Continue the capacity development on Tsunami Ready for the Member States and national Tsunami Ready facilitators.
6. Encourage the Member States to explore possibilities for implementation of Tsunami Ready for critical infrastructure.

RECOMMENDATION ON TSUNAMI READY FROM THE CAPACITY ASESSMENT

1. Encourage members to evaluate the role, responsibilities, and functions of the National Tsunami Ready Board (NTRB) to determine if a new coordination body is needed or if the existing disaster management mechanism should be expanded to include these functions.
2. Encourage members to review the national tsunami preparedness program (if any) to ensure it aligns with the 12 Tsunami Ready indicators, to be reported to contribute to the UNESCO Tsunami Program
3. Guidance to review the similar activities aligns to the Tsunami Ready
4. Encourage members Identify potential communities as pilot sites for implementing the Tsunami Ready Recognition program
5. Continue the effort to provide capacity development on Tsunami Ready Training for the Member States in collaboration with IOTIC-BMKG
6. Training for Tsunami Ready Facilitator to process the recognition

48 Communities of India and Indonesia had been recognized as a UNESCO-IOC Tsunami Ready Communities (Globally: 100 communities of TRC)

Location of the 48 Tsunami Ready Communities

🟢 **26** Tsunami Ready Villages in India
🔴 **22** Tsunami Ready Villages in Indonesia

INDIA

1 Provinces, 6 Districts, 26 Villages

Balasore District
1. Jayadevkasaba Pahi Village,
2. Jagannathpur Village,
3. Kanyanagari Village,
4. Sahapur Village,

Bhadrak District
1. Mohanpur Village,
2. Sanakrushnapur Village,
3. Adhuan Village,
4. Badahabelisahi Village,

Ganjam District
1. Kantiagada Village,
2. Markandi Village,
3. Prayagi Village,
4. Uppalaputi Village,
5. Venkatraipur (New Baxipalli) Village,

Jagatsinghpur District
1. Bahgeipur Village,
2. Bhuyanpala Village,
3. Dhanaharbelari Village,
4. Noliasahi Village,
5. Shadabedi Village,

Kendrapada District
1. Chinchiri Village,
2. Kaitha Village,
3. Kantilo Village,
4. Tantiapala_Sasan Village,

Puri District
1. Chhotipada Village,
2. Keutajanga Village,
3. Khalakatapatana Village,
4. Narasinghpatana

INDONESIA

10 Provinces, 14 Districts, 22 Villages

Aceh
1. Deah Glumpang-Banda Aceh
2. Gampong Jawa-Banda Aceh
3. Mon Ikeun-Aceh Besar
4. Lamkruet-Aceh Besar

West Sumatera
1. Purus-Kota Padang
2. Lolong Belanti-Kota Padang
3. Tapakih-Kota Padang

Banten
1. Panggarangan-Lebak

West Java
1. Pangandaran-Pangandaran

Central Java
1. Sidaurip-Cilacap

Yogyakarta
1. Glagah-Kulon Progo
2. Kemadang-Gunung Kidul
3. Parangtritis-Bantul
4. Gading Sari- Bantul
5. Tirto Hargo- Bantul
6. Poncosari- Bantul

East Java
1. Tambakrejo-Malang

Bali
1. Tanjung Benoa-Badung
2. Pangastulan-Buleleng

West Nusa Tenggara
1. Kuta Mandhalika-Lombok Tengah

Maluku
1. Galala-Ambon
2. Hative-Ambon

COMMUNITIES PLANNED TO BE RECOGNIZED

India:
For this year the target is minimum 12 and max 30

Indonesia: communities had been nationally recognized:
1. Cikakak, Sukabumi, Jawa Barat
2. Citepus, Sukabumi, Jawa Barat
3. Wapia-Pia, Wakatobi,
4. Desa Tua Pejat, Kab. Mentawai (undergoing the recognition process)
5. Desa Sidomulyo, Kab. Pacitan
6. Desa Pemenang Barat, Kab. Lombok Utara
7. Desa Penurunan, Kota Bengkulu
8. Desa Lempuing, Kota Bengkulu
9. Desa Teluk Sepang, Kota Bengkulu
10. Krakatau Sarana Properti, Banten

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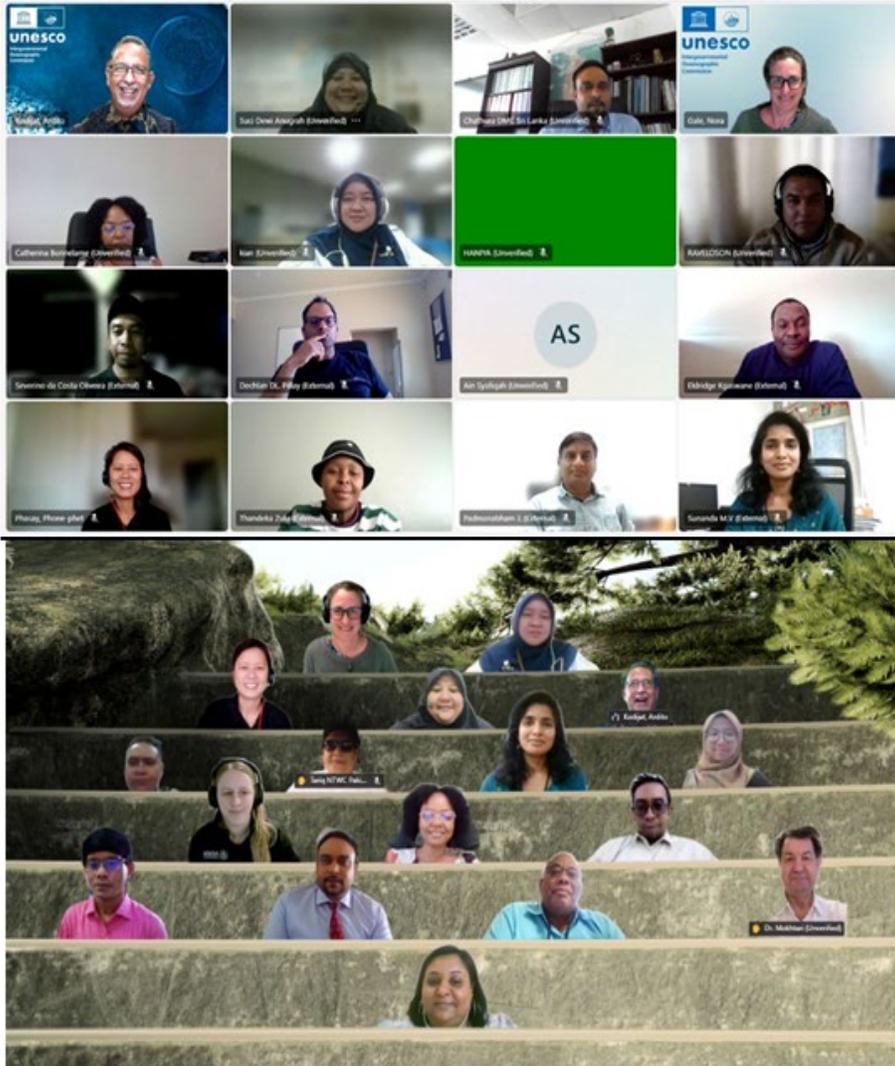# ICG/IOTWMS Tsunami Ready Focal Point (TRFP) Criteria

Definition: The Tsunami Ready Focal Point (TRFP) is a Member State point of contact (person) officially designated by the Tsunami National Contact (TNC) to liaise with UNESCO-IOC Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) through the UNESCO-IOC Secretariat on the implementation of the UNESCO-IOC Tsunami Recognition Programme (TRRP), or a recognized similar national initiative, to help make at-risk communities prepared and resilient to any tsunami threat within their Member State

The Role of Tsunami Ready Focal Point:

a) Act as a national advocate for national implementation of the TRRP or a recognized similar initiative to help make at-risk communities prepared and resilient to any tsunami threat within their Member State.

b) Actively contribute to the national implementation of the TRRP or a recognized similar initiative.

c) Routinely update the UNESCO-IOC ICG/IOTWMS on the status of the national implementation of the TRRP or a recognized similar initiative.

d) Inform relevant national authorities and organisations involved in the implementation of the TRRP or a recognised similar initiative on any information and/or updates provided by UNESCO-IOC on activities related to making at-risk communities Tsunami Ready.

Last WG3 online meeting for the NTRFP, 21 August 2024

Recommendation:

1. Familiarize with the Tsunami Ready Manual
2. Evaluate the role, responsibilities, and functions of the National Tsunami Response Body (NTRB) to determine if a new coordination body is needed or if the existing disaster management mechanism should be expanded to include these functions.
3. Review the national tsunami preparedness program (if any) to ensure it aligns with the 12 Tsunami Ready indicators.

Regular Workshop for the NTRB and TRFP should be conducted

Participants:
Chair of: WG3, WG-2 Chair, WG-NWIO Chair, IOTIC, and Secretariat, Unesco
1. Bangladesh
2. Comoros
3. Madagascar
4. Malaysia
5. Maldives
6. Mauritius
7. Myanmar
8. Pakistan
9. Seychelles
10. South Africa
11. Sri Lanka
12. India
13. Indonesia
14. Timor Leste
15. Expert from PTWS

Currently there are 19 NTRFPs (Australia, UEA, Iran, Mozambique), and 2 NTRB (India and Indonesia)

Tsunami Ready for Global Tsunami Symposium 2024

36 communities: 12 from Indonesia and 24 from India were recognized as Tsunami ready Community

Banda Aceh Statement:
Global Tsunami Warning and Mitigation System: Building Sustainability for the next decade through Transformation and Innovation.
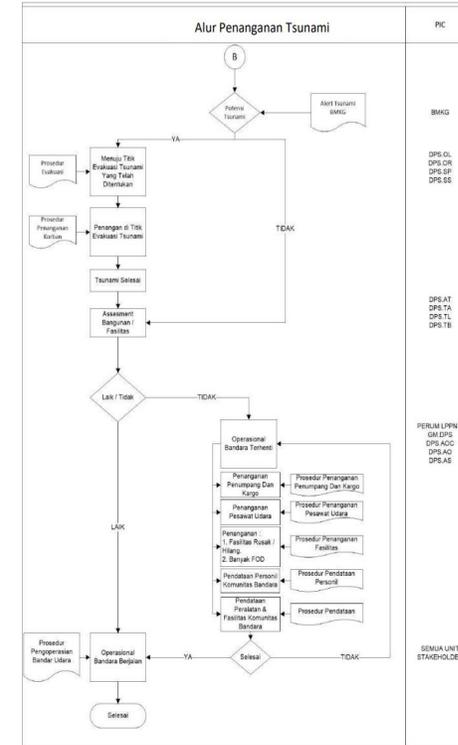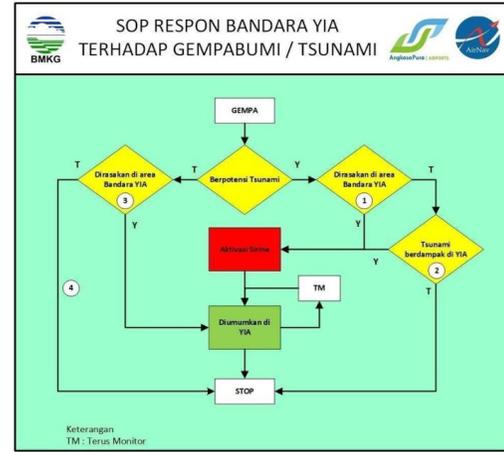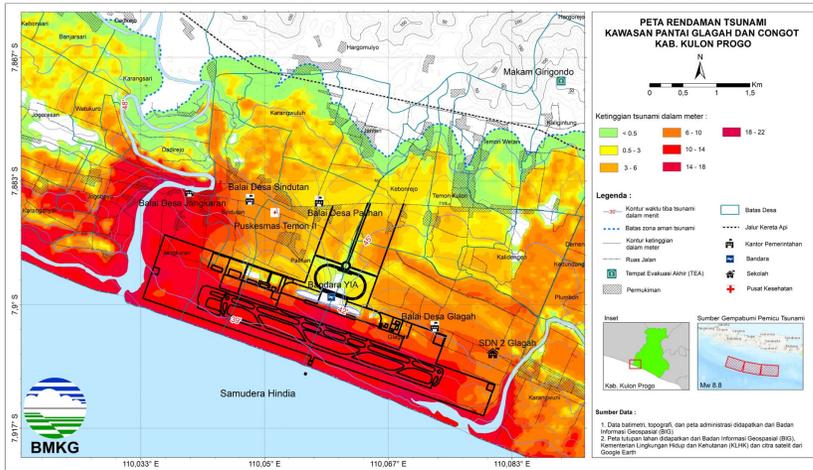
UNESCO and its partners call on States and civil society to drastically step up their investments and efforts to achieve 100% Tsunami Ready Communities worldwide by 2030.

Implementation Tsunami Ready For Critical Infrastructure

1. Tsunami Ready had been implemented in Yogyakarta International Airport
2. Ngurah Rai International airport
3. Benoa Port

TSUNAMI EVACUATION MAP, PLAN, AND PROCEDURE TRAINING

The WG3 was part of the TEMPP Training in INCOIS Hyderabad, 15-23, 2025. Promoting:
a) Tsunami Ready Recognition Program
b) National Tsunami Ready Board
c) Learning Tsunami Ready from other countries

TSUNAMI READY COMMUNITIES IDENTIFIED BY THE QUESTIONNAIRE RESPONSE OF THE TEMPP TRAINING

List of Tsunami Ready Community identified by Participants (132)

1. Bangladesh: Kwetu Community (1)
2. India (109)
   a) Odisha: Sipasarubali plus 99 Other communities (100)
   b) Gujarat: Okha; Pingleshwar (2)
   c) Kerala: Edavanakkad; Purakkad; Veliyancode; Alappad; Veliyaparamba; (5)
   d) Karumkulam; Chemanchery; Azhikode (2)
3. Indonesia: Pelabuhan Ratu; Sidomulyo; Cilegon (3)
4. Iran: Jaask; Chabahar (2)
5. Madagascar: Toamasina; Fort Dauphin (2)
6. Malaysia: Kudat Sabah (1)
7. Maldives: Diffushi Island (1)
8. Oman: Alhail North (1)
9. Seychelles: Anse Royale (1)
10. Timor Leste: Atabae village community (1)

List of community as working area at the tsunami modelling and evacuation map training (17)

1. Australia: Geraldton, Perth city
2. Bangladesh: Cox Bazars city
3. Comoros: Grande Comore Island
4. India: Kerala and Gujarat
5. Indonesia: Sidomulyo, Pacitan city
6. Iran: Chabahar city
7. Timor Leste: Komoro, Dili city
8. Kenya: Faza Island, Lamu archipelago
9. Madagaskar: Toamasina Seaport
10. Malaysia: Langkawi, Kedah province
11. Maldives: Fuvahmulah city
12. Mauritius: Rodrigues Island
13. Oman: Barka, Al-Batinah city
14. Seychelles: Anse Royale, Mahe island
15. South Africa: Durban and Cape Town city
16. Sri Lanka: Ambalangoda
17. United Arab Emirates: Khor Fakkan City

TSUNAMI READY COMMUNITY FIELD TRIP FOR OJT OMAN TO
GADINGSARI VILLAGE-YOGYAKARTA
11th September 2025

Participants:
- 9 Oman OJT Participants
- 15 BMKG's Facilitators
- 30 Students
- 80 Community of Gadingsari

PEOPLE CENTRE TSUNAMI EARLY WARNING FOR THE INDIAN COASTLINE (PCTWIN)

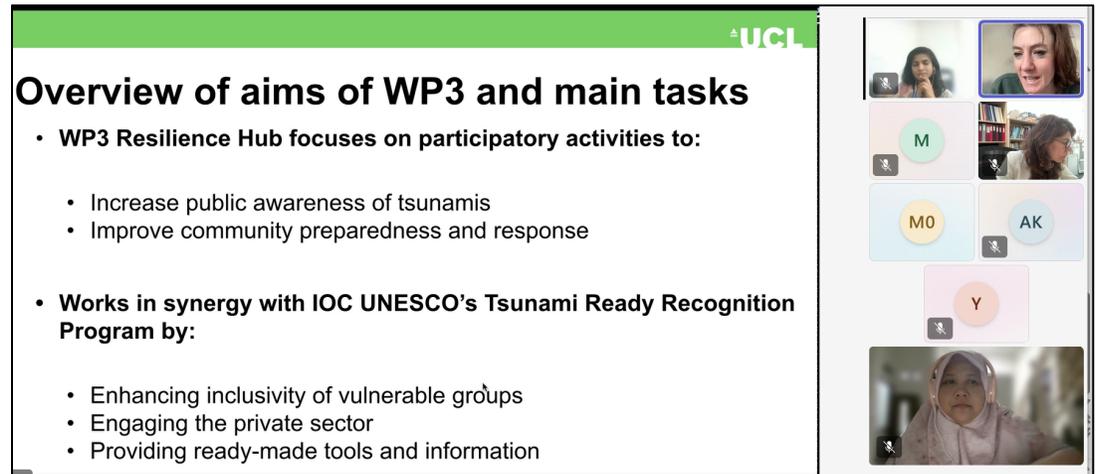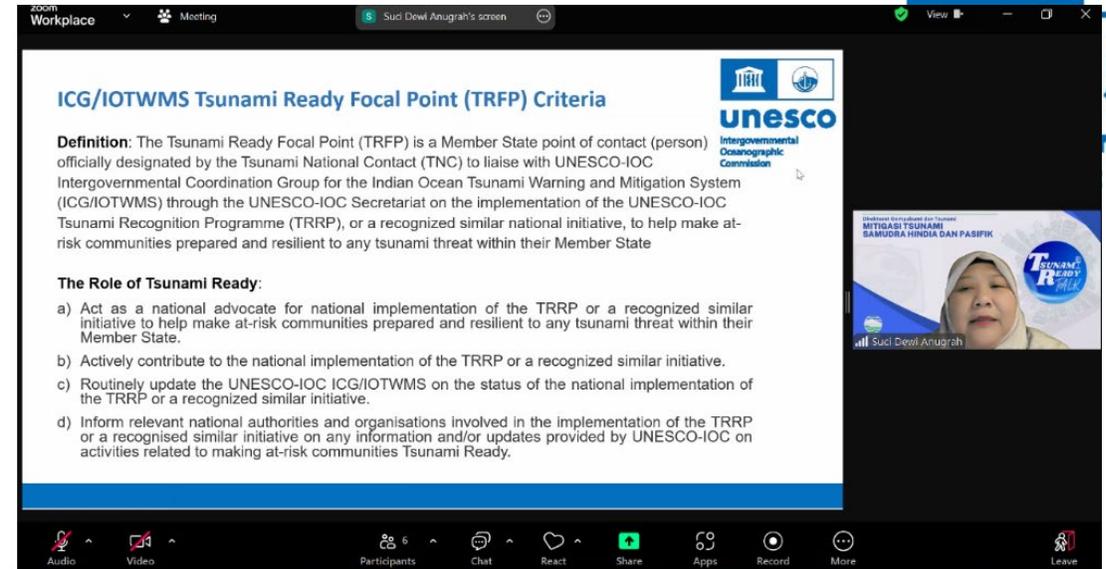The WG 3 is involved to the PCTWIN for the WP3 Resilience Hub, focus on:

- Increase public awareness of tsunami
- Improve community preparedness and response

Work in Synergy with WG3 by

- Enhancing inclusivity of Vulnerable Groups
- Engaging the Private Sectors
- Providing ready-made tools and Information

Activities had been participated by WG3:

1. Attended online for the Stakeholder Workshop/the Annual Meeting of PCTWIN project (**8-11 April 2025.**
2. WP3 online meeting (8 May 2025) :
   - Discussed the result of the unique exercise to assess and enhance the involvement of all communities, including the most vulnerable populations in the Tsunami Ready Program.
   - Develop a clear and practical guideline based on the exercise to effectively measure inclusivity and engagement within Tsunami Ready Implementation
3. **Next meeting will be 6 August**

WP3 online meeting, 8 May 2025

THANK YOU