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Intergovernmental
Oceanographic
Commission

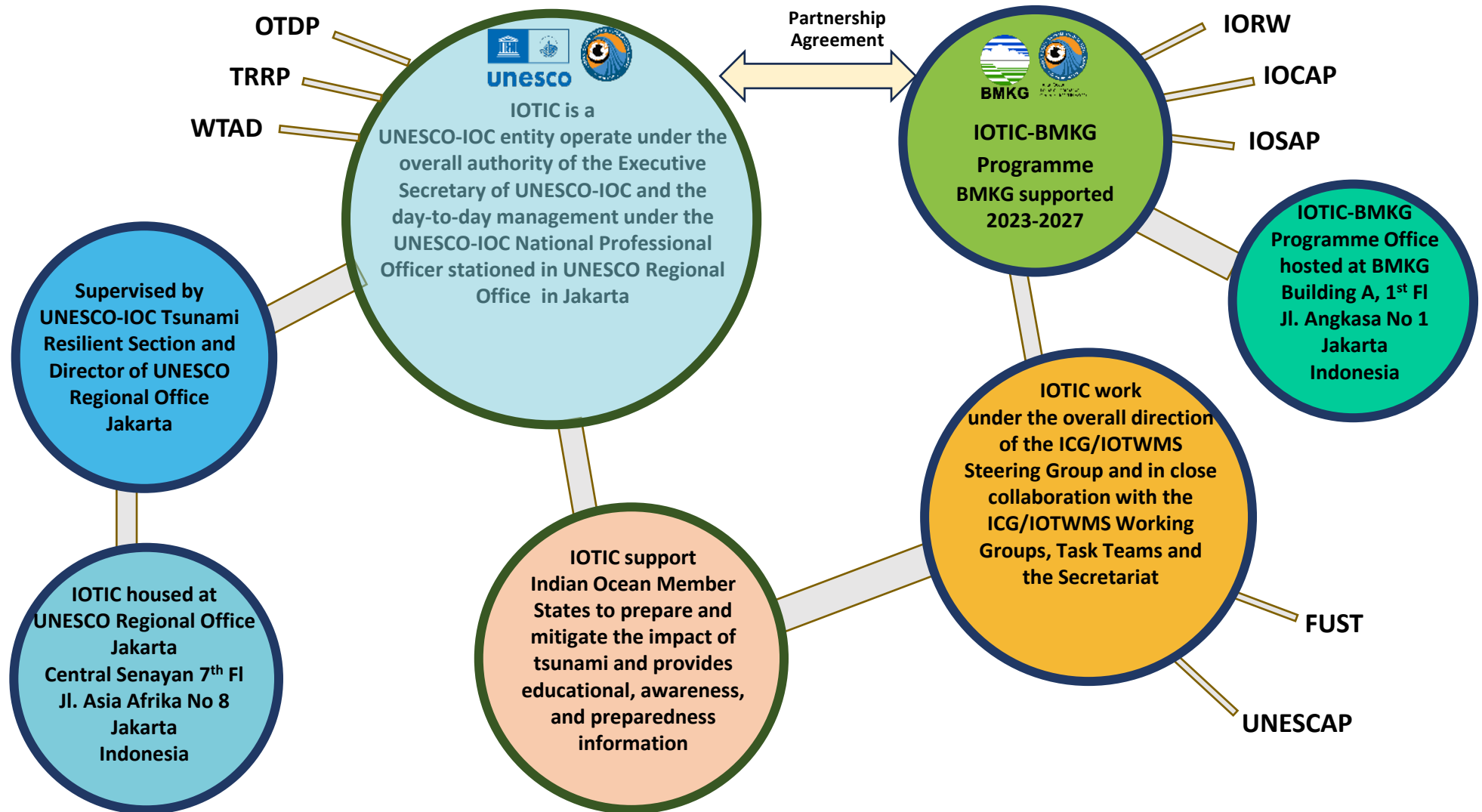
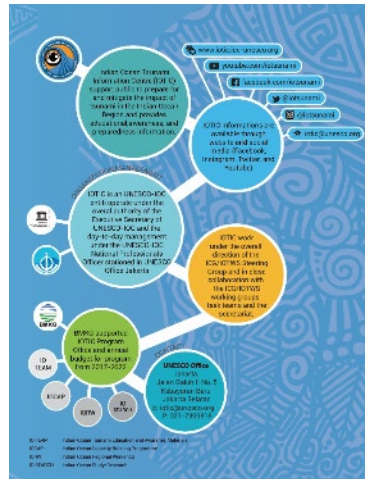
IOTIC Report Supporting Tsunami Ready (2020 ~ Present)

Ardito M KODIJAT

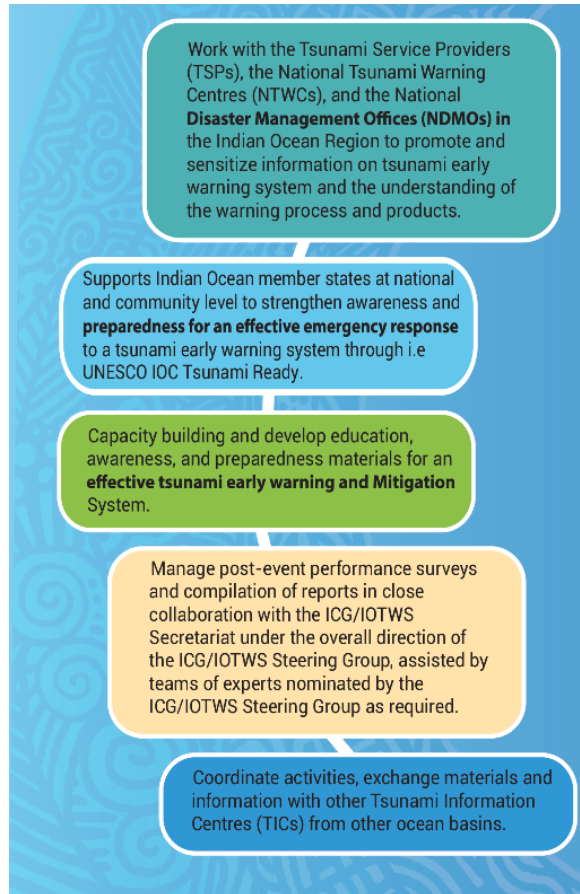
*UNESCO-IOC Indian Ocean Tsunami Information Centre
National Professional Officer DRR (SC/IOC)
Disaster Risk Reduction and Tsunami Information Unit
UNESCO Office Jakarta
a.kodijat@unesco.org*



IOTIC Term of Reference (2022)



IO TIC Term of Reference (2022)



- Strengthening the Indian Ocean (national and regional) tsunami disaster risk reduction and emergency response capacity for an effective tsunami early warning system,
- Supporting preparedness against tsunamis of at-risk communities, especially through Member States' implementation of UNESCO-IOC Tsunami Ready Recognition Programme (TRRP).
- Providing resources in tsunami risk reduction, educational, awareness, and preparedness for the Indian Ocean region.

IOTIC-BMKG Programme

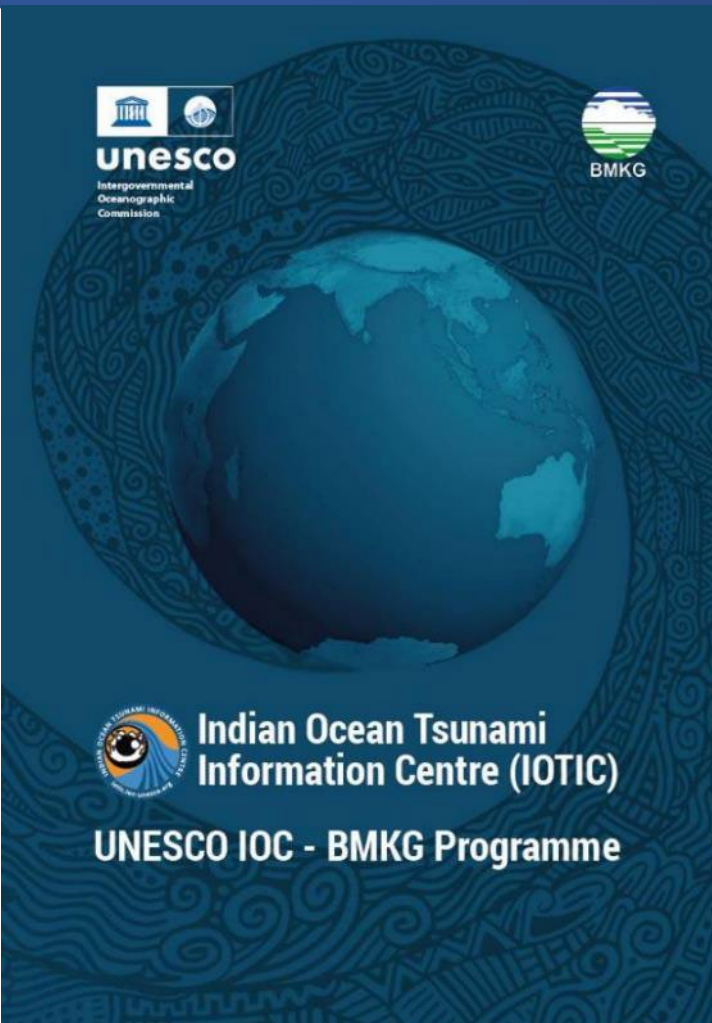
UNESCO-IOC and BMKG Partnership Agreement 2017-2022 On IOTIC-BMKG Programme Hosted at BMKG Jakarta



UNESCO-IOC and BMKG Partnership Agreement 2023-2027 On IOTIC-BMKG Programme Hosted at BMKG Jakarta



IOTIC-BMKG Programme 2023-2027



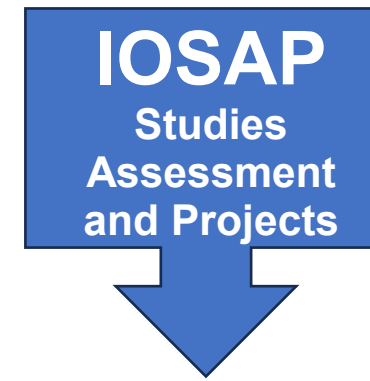
Support Indian Ocean Member States (Regionally and Nationally)



*Organize Regional
or National
thematic training /
workshops /
webinars*



*Support
Capacity
Building of IO
MS on Tsunami
Ready*



*Conduct activities
and project to
strengthen
tsunami
awareness,
preparedness and
resiliency*



*Develop tsunami
awareness,
preparedness,
and Education
tools and
Materials*

IOTIC in a Flash (2012 ~ 2025)



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- UNESCO IOC Tsunami Unit
- ICG/IOTWMS Secretariat
- ICG/IOTWMS SG / WGs / TTs
- TOWS Task Team for Tsunami Disaster Management and Preparedness
- UNESCO IOC Tsunami Information Centers (CTIC, ITIC, NEAMTIC)
- Ocean Teacher Global Academy Secretariat



- BMKG Geophysics
- BMKG InaTEWS
- BMKG Training Centre (STC-OTGA)

25

Work with Indian Ocean Member States
(Active IOTWMS Member States)

Australia
Bangladesh
Comoros
French Reunion

India
Indonesia
Iran
Kenya

Madagascar
Malaysia
Maldives
Mauritius

Mozambique
Myanmar
Oman
Pakistan

Seychelles
Singapore
South Africa
Sri Lanka

Tanzania
Thailand
Timor Leste
United Arab Emirates
Yemen



3

Work with Tsunami Service Providers

- Bureau of Meteorology (BOM), Australia
- Indian National Centre for Ocean Information Services (INCOIS), India
- Agency for Meteorology, Climatology, and Geophysics (BMKG), Indonesia

9 Projects

(2012-2025)

IFIT (1); MFIT (1); UNESCAP (6); Charles Englehart Foundation (1)



8

Support Indian Ocean
Tsunami Wave
Exercises (IOWave)

iowave.org

2009
2011
2014
2016
2018
2020
2023
2025

11 Past Tsunamis

Information preserved

- 1945 Makran Tsunami
- 1950 Ambon Tsunami
- Central Sulawesi Tsunamis (1938, 1968, and 2018)
- 1979 Lembata Tsunami
- 1992 Flores Tsunami
- 1994 Banyuwangi Tsunami
- 1995 Dili Tsunami, Timor-Leste
- 1996 Biak Tsunami
- 2000 Banggai Tsunami (On Going)
- 2004 Seychelles and Maldives
- 1988 Taliabu Tsunami

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Facilitate/support/process
Tsunami Ready Community

26 communities in India and 22 communities in Indonesia
recognised at UNESCO-IOC Tsunami Ready Community

392 Past Tsunamis
Eyewitness Stories

11 IORW (+Webinars)

(2017-2021) Indian Ocean Regional Workshop
(TEMPP, SOP, and WTAD)

6 IOCAP (+NTRT)

(2017-2023) Indian Ocean Capacity Building
Training National Tsunami Ready Training
(2023) Seychelles, Timor-Leste, Maldives



2 IOLS

(2020-2023) Indian Ocean
Lecture Series during
COVID-19 and Tsunami
Ready

3 Youth

Indian Ocean Youth
Video Competition
(2021) ; TSUNAMI
UNITED (2024) ;
TSUNAMI UNITED (2025)

**3 Tsunami Ready
Communication Tools**

- 2 TR Boardgame (TR and RUNAMI)
- 21 TR E-Posters
- 14 Short Animation Videos

IOTIC Support to TR

Training and Capacity Building

- National Trainings.
- Regional Trainings and Workshop
- Online training, lecture series, and webinars

Tsunami Ready Application

- Support MS in NTRB establishment,
- Support NTRBs in tsunami ready application,
- Support Field Verification
- Application review and processing

Tools and Guideline Development

- Tsunami ready Tools and Guideline for MG74
- Boardgames
- Posters
- Videos

Training and Capacity Building

National Tsunami Ready Training

- Timor-Leste (July 2023)
- Seychelles (November 2023)
- Maldives (August 2024)



Regional Tsunami Ready Training

- Pacific Island Countries and Territories, ITIC Pacific (January 2023) – ITIC Pacific
- International Tsunami Programme, ITP Hawaii (August 2023) – ITIC Pacific
- TEMPP Training, Hyderabad, (March 2025)
- International Tsunami Programme, ITP Hawaii (September 2025) – ITIC Pacific

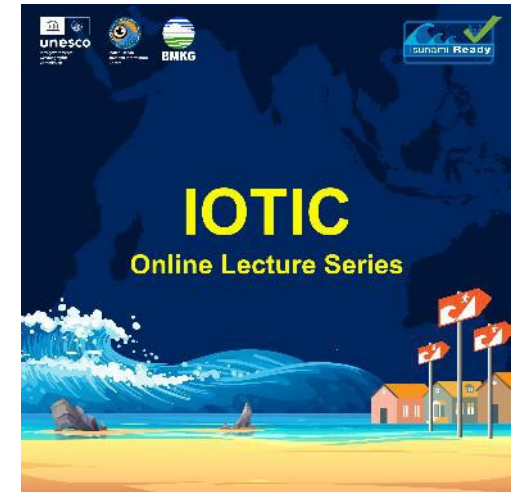
Training and Capacity Building

Tsunami Ready Workshops

- TRRP In Indian Ocean Island States, WTAD (November 2020) – Webinar
- Tsunami Preparedness and TR Implementation in Odisha, India, (February 2021) - Webinar
- Indian Ocean Tsunami Ready Workshop - Bali (July 2022)
- CoastWave Workshop (February 2023), NEAMTWS – Online

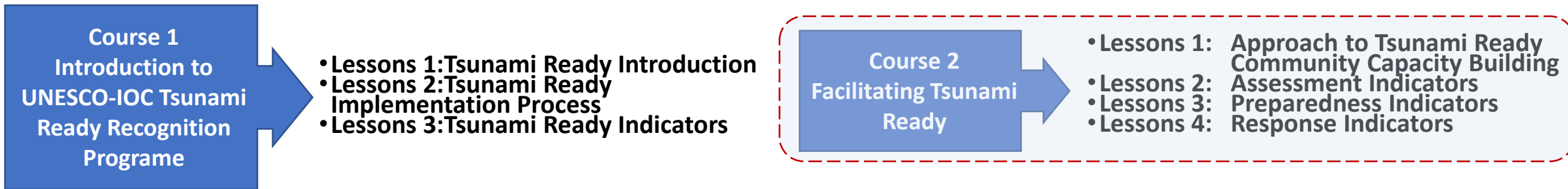
Online Lecture Series

- Training for Tsunami Ready Facilitators, Indonesia (September 2023)
- CoastWave Workshop (February 2023), NEAMTWS - Online



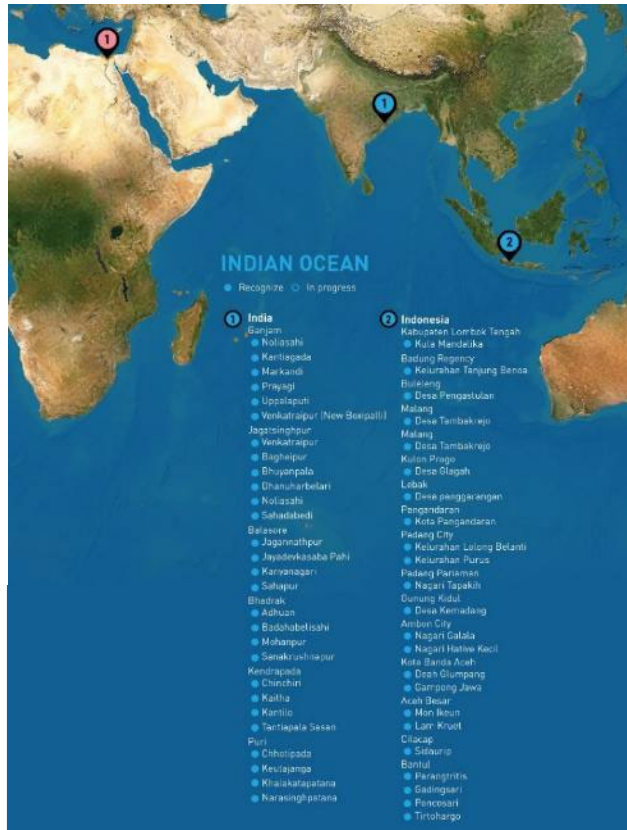
Tsunami Ready Online Training

Tsunami Ready Training - OTGA (IOTIC- ITIC)



Tsunami Ready Application

Tsunami Ready in Indonesia



There are 22 UNESCO-IOC Tsunami Ready villages recognized in **Indonesia (2020-2024)**.

1. Gampong Jawa
2. Deah Glumpang
3. Mon Ikeun
4. LamKruet
5. Tapakih
6. Purus
7. Lolong Belanti
8. Panggarangan
9. Pangandaran
10. Sidaurip
11. Kemadang
12. Glagah
13. Poncosari
14. Parangtritis
15. Tirtohargo
16. Gading Sari
17. Tambakrejo
18. Pengastulan
19. Tanjung Benoa
20. Kuta Mandalika
21. Galala
22. Hative Kecil

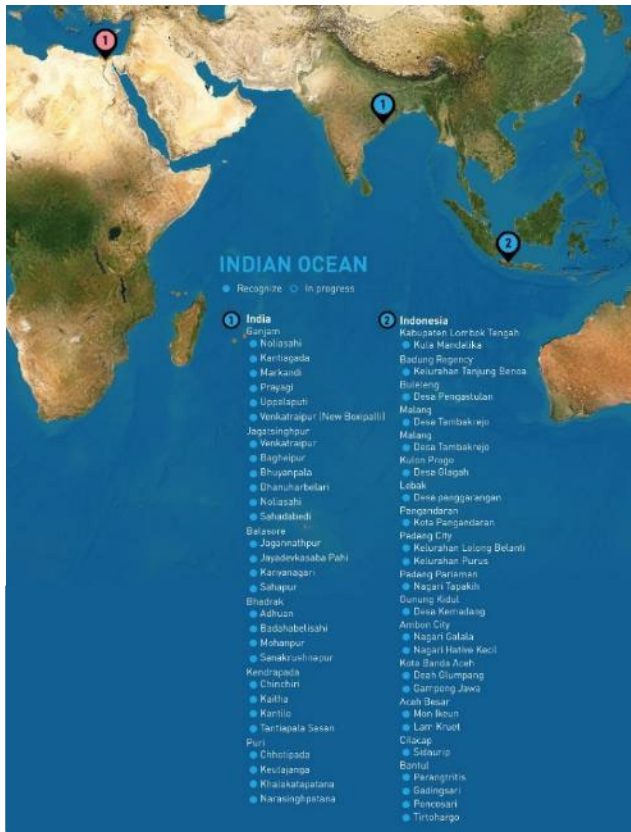
Field Verification

- Assist in field verification in 9 villages
- Training of Field Verification for Indonesian NTRB
- Support NTRB meetings

<https://tsunamireadyviewer.ioc-tsunami.org/>

Tsunami Ready Application

Tsunami Ready in India



<https://tsunamireadyviewer.ioc-tsunami.org/>

24 villages received the UNESCO-IOC Tsunami Ready Recognition, and 2 villages received the renewal:

Balasore District

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

Bhadrak District

5. Mohanpur Village,
6. Sanakrushnapur Village,
7. Adhuan Village,
8. Badahabelisahi Village, B

Ganjam District

9. Kantiagada Village,
10. Markandi Village,
11. Prayagi Village,
12. Uppalaputi Village,
13. Venkataipur (New Baxipalli) Village,

Jagatsinghpur District

14. Bahgeipur Village,
15. Bhuyanpala Village,
16. Dhanaharbelari Village,
17. Nolasahi Village,
18. Shadabedi Village,

Kendrapada District

19. Chinchiri Village,
20. Kaitha Village,
21. Kantilo Village,
22. Tantiapala_Sasan Village,

Puri District

23. Chhotipada Village,
24. Keutajanga Village,
25. Khalakatapatana Village,
26. Narasinghpata Village,

Field Verification

- 2 villages
- Support NTRB meetings

Tsunami Ready Toolkits

Tsunami Ready Tool Kits MG74 (IOTIC- ITIC)

000 Tsunami Ready Workflow-Rev 20251006

001 UNESCO-IOC MG74_Forms 20251006

002 Definition of a Tsunami Ready Community 20251006

003 Tsunami Ready Folder and File Name 20251006

004 Example-Template of Tsunami Ready Letter 20251006

- Letter for the establishment of the National Tsunami Ready Board (NTRB)
- Letter of Interest or Intent for Tsunami Ready Implementation in a Community
- Letter for Submission of UNESCO Tsunami Ready Recognition Programme (TRRP) Application
- Letter requesting a UNESCO Tsunami Ready Certificate of Recognition
- Letter requesting a UNESCO Tsunami Ready Certificate of Appreciation

005 Example-Template of Community Info for Web-Page 20251006

006 Example of CN and Agenda Recognition Ceremony 20251006

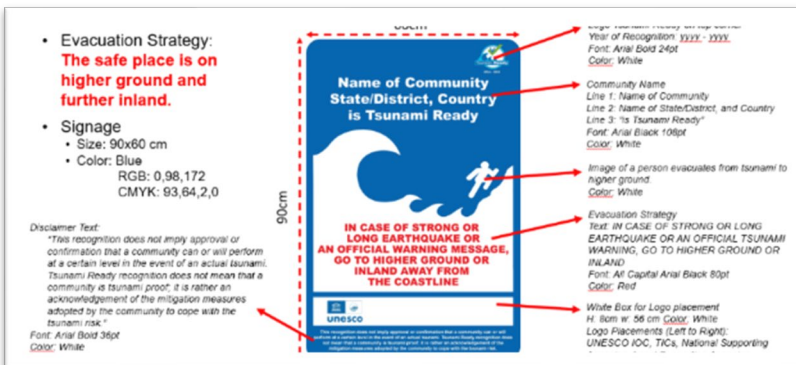
007 Tsunami Ready Certificates 20251006

008 Tsunami Ready Signages 20251006

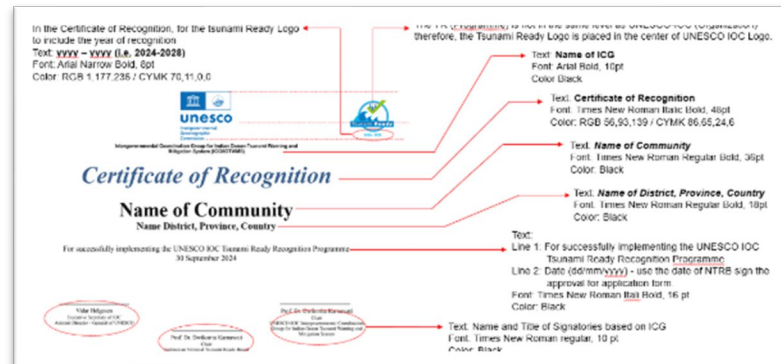
Tsunami Ready Toolkits

Tsunami Ready Tool Kits MG74 (IOTIC- ITIC)

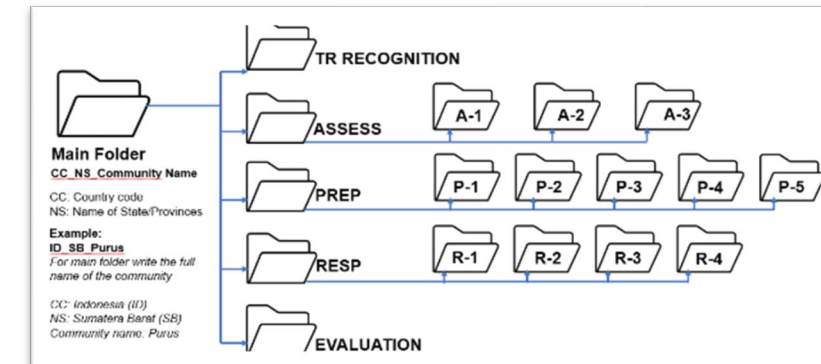
Draft Toolkit for UNESCO-IOC Tsunami Ready Sign



Draft Toolkit for UNESCO-IOC Tsunami Ready Recognition and Appreciation Certificates

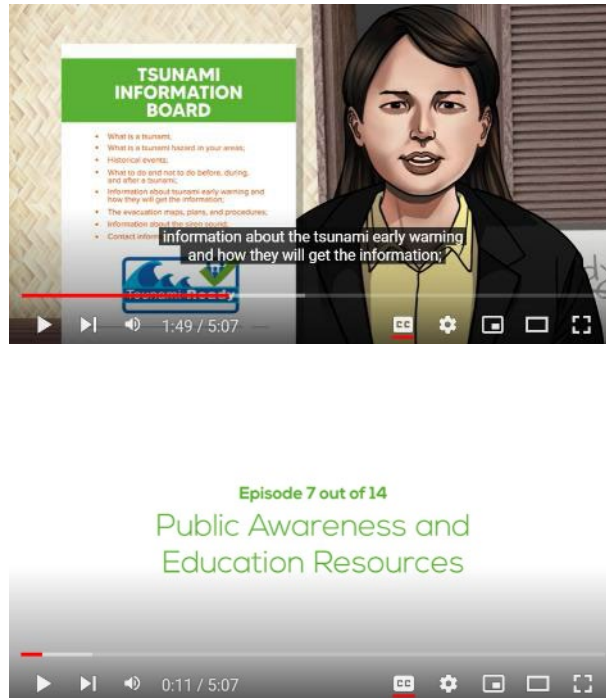
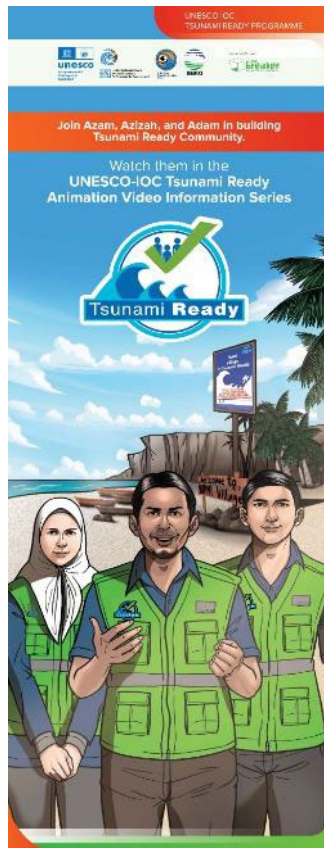


Draft Toolkit for Folder and File Name in UNESCO-IOC Tsunami Ready Application



Tsunami Ready Toolkits

Tsunami Ready Short Animation Video Series



Story line:

Following the journey of Azam, Azizah, and Adam in building their Village “Nami” to be a Tsunami Ready Community based on UNESCO-IOC Tsunami Ready Indicators

- Video 1: Tsunami Ready (an introduction) **+ 7:10 minutes**
- Video 2: Tsunami Hazard for Tsunami Ready Community **+ 8:02 minutes**
- Video 3: Knowing people at risk of tsunami **+ 4:48 minutes**
- Video 4: Resource and capacity for Tsunami Ready Community **+ 6:57 minutes**
- Video 5: Public Tsunami Information in Community **+ 5:32 minutes**
- Video 6: Tsunami Evacuation Map for the community **+ 5:15 minutes**
- Video 7: Public Awareness and Education Resources **+ 5:07 minutes**
- Video 8: Outreach Activities in Tsunami Ready Community **+ 4:39 minutes**
- Video 9: Community Tsunami Exercise **+ 6:49 minutes**
- Video 10: Community Tsunami Emergency Operation Plan **+ 5:28 minutes**
- Video 11: Building Capacity in community for Emergency Response **+ 7:50 minutes**
- Video 12: Linking the Community to the Tsunami Warning Chain **+ 4:40 minutes**
- Video 13: Providing warning to the community **+ 5:27 minutes**
- Video 14: Getting Tsunami Ready Recognition **+ 6:50 minutes**

Tsunami Ready Toolkits



Tsunami Ready Boardgame

To introduce the 12 Tsunami Ready Indicators to the stakeholders



Tsunami Ready Boardgame: Runami



- Tsunami Awareness
- Tsunami Preparedness
- Tsunami Evacuation
- Tsunami Drills



Next Activity

Support FUST and UNESCAP Project on Tsunami Ready Recognition Programme in:

- Seychelles
- Maldives
- India
- Iran
- Pakistan
- Sri Lanka
- UAE
- Oman
- Madagascar

THANK YOU