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The Indian Ocean Tsunami Information Centre Activity (2025)

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Disaster Risk Reduction and Tsunami Information Unit
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IOTIC Term of Reference (2022)

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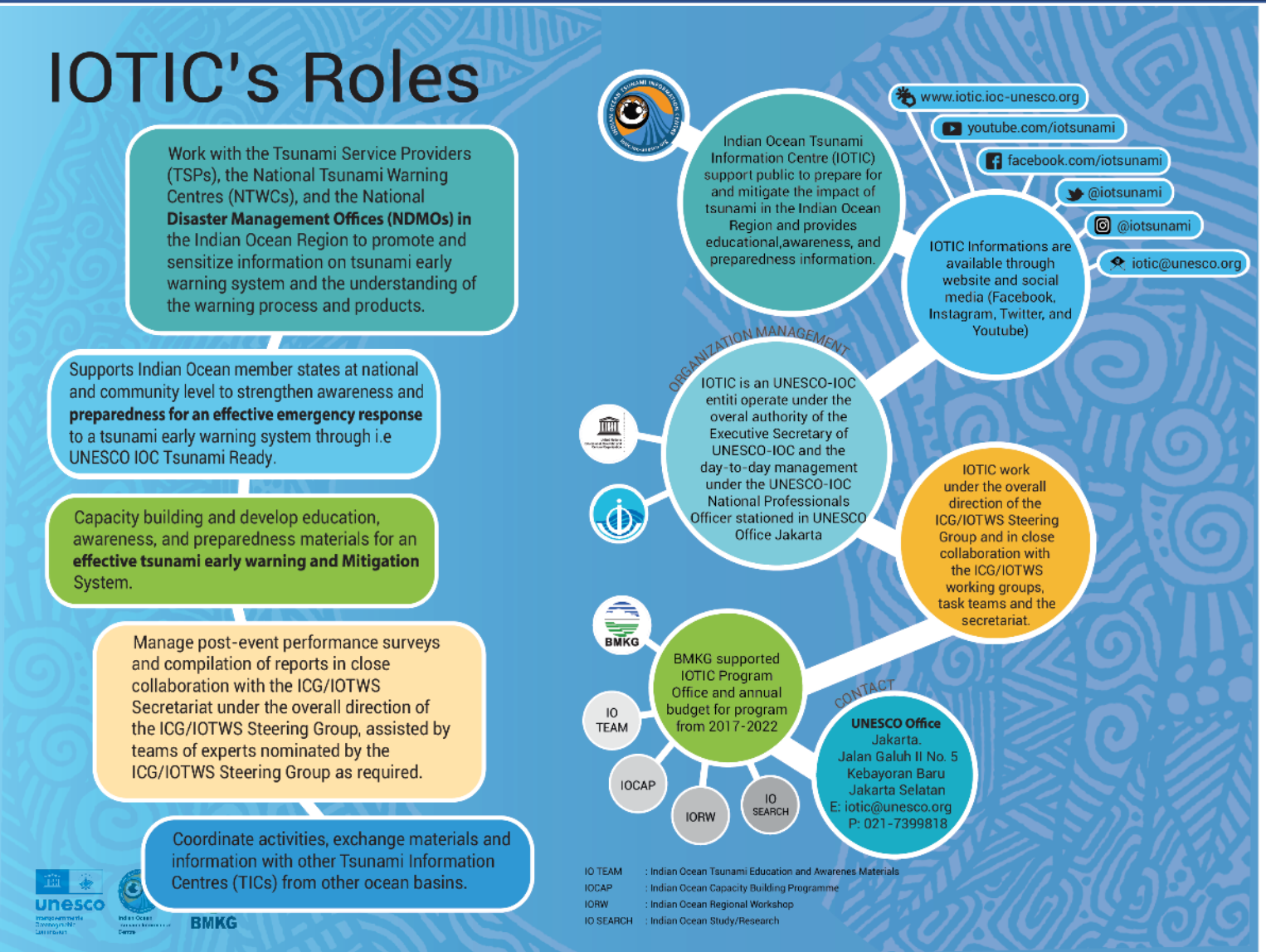

- Strengthening the Indian Ocean (national and regional) tsunami disaster risk reduction and emergency response capacity for an effective tsunami early warning system,
- Supporting preparedness against tsunamis of at-risk communities, especially through Member States' implementation of UNESCO-IOC Tsunami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

IOTIC Term of Reference (2022)

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IOTIC-BMKG the A-Team

Ardito M Kodijat
IOTIC UNESCO-IOC

Admiral Musa Julius
IOTIC-BMKG

Alfath Abu Bakar
IOTIC-BMKG

Kian Purna Sinki

Litanya Octonovrilna

Elizabeth Anggun Pramesthi

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IOTIC in a Flash (~ 2025)

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Indian Ocean Tsunami Information Centre

- 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

- 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 Arfica
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 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)
- 2024 Seychelles and Maldives

8 Projects

(2012-2020)
IFIT (1); MFIT (1); UNESCAP (5); Charles Englehart Foundation (1)

IOWave

7 Support Indian Ocean Tsunami Wave Exercises (IOWave)

iowave.org

2009
2011
2014
2016
2018
2020
2023

48 Facilitate/support/process Tsunami Ready Community

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

383

Past Tsunamis Eyewitness Stories

10 IORW (Webinars)

(2017-2021) Indian Ocean Regional Workshop and WTAD

3 IOCAP

(2017-2023) Indian Ocean Capacity Building Training

2 IOLS

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

3 NTRT

National Tsunami Ready Training (2023)
Seychelles, Timor-Leste, Maldives

2 Youth

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

3 Tsunami Ready Communication Tools

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

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IOTIC-BMKG Programme 2023-2027

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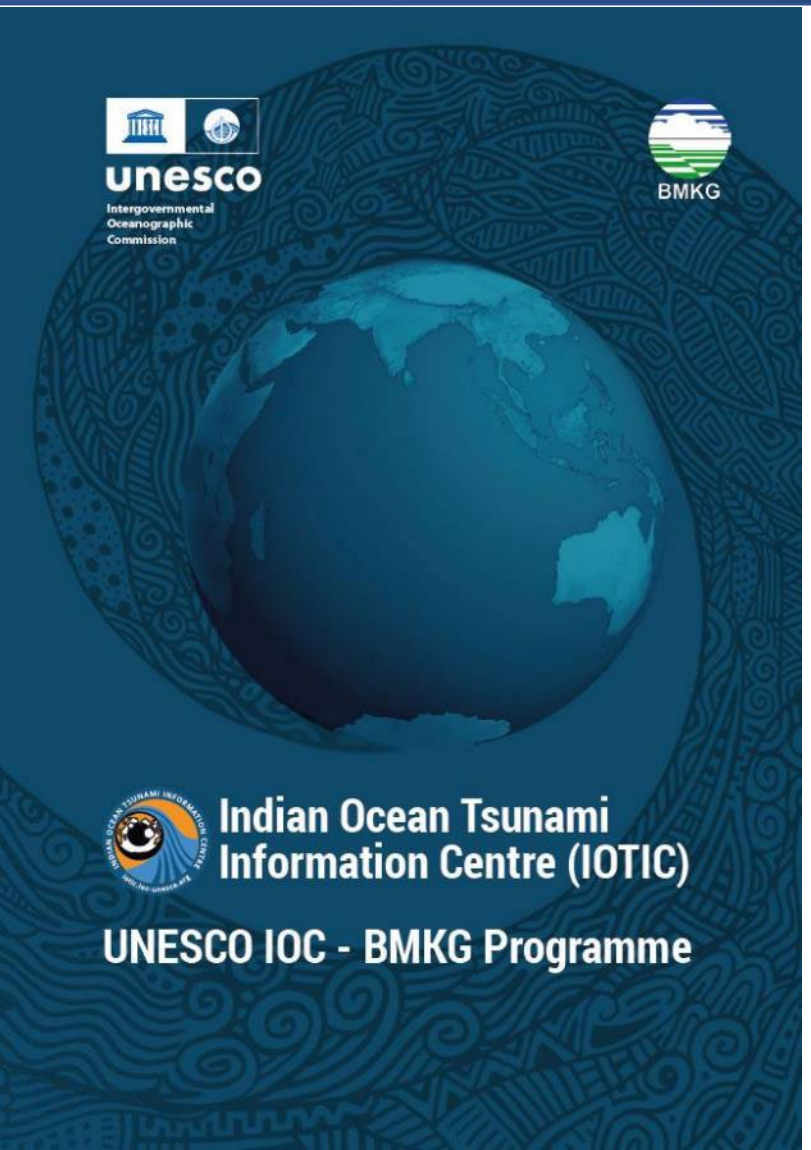

Support Indian Ocean Member States (Regionally and Nationally)

IOCAP
Capacity Building

Support IO MS Capacity Building on Tsunami Ready

IORW
Workshops

Organize Regional or National thematic workshops / webinars

IOSAP
Studies Assessment and Projects

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

IOEAP
Materials and Tools

Develop tsunami awareness, preparedness, and Education tools and Materials

Programme 2025

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IOCAP
Capacity Building

1. TEMPP and TRRP Regional Training (IOTIC UNESCAP ICG/IOTWMS in Hyderabad in March)
2. SIDS National Tsunami Ready Training (NTRT) (Mauritius or Madagascar)

IORW
Workshops

GPDRR
- Ignite Stage GPDRR'25

WTAD
- Be Tsunami Ready: Investing Today for a Safer Tomorrow

ODTP and ITS Hyderabad
- Presentation on TR and Preserving

3. Tsunami Ready
   - Follow up TR in Seychelles, Maldives, and Timor-Leste, NWIO
   - TR application India and Indonesia
   - Tsunami Ready Survey

IOSAP
Studies Assessment and Projects

1. Preserving Past Tsunami Information.
   - 1998 Taliabu Island Tsunami
   - 1977 Sumba Tsunami
   - 2004 Indian Ocean Tsunami (Mauritius / Madagascar)
2. Youth engagement
   - TSUNAMI UNITED-2025
3. Projects
   - Finalization Phase 2c and Propose Phase 3 of the NWIO Project – UNESCAP
   - FUST Project

IOEAP
Materials and Tools

1. Boardgame Production of Tsunami Ready Boardgame V.2

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IOTIC Programme 2025

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RP: 3210313061: (IOC – IOTIC)
Building Community Resilience in Indian Ocean

a. Budget Status

- Total allocation: $101,700.04
  (for biennium 24-25)
- Remaining 2025: $46.326
- Execution rate: 86.85%

Plan for 2025

- TTDMP and TICs Meeting $ 3.600
- TEMPP Training in Hyderabad $ 30.000
- Steering Group Meeting ICG/IOTWMS $ 3.000
- Preserving Past Tsunami Information 1998 Tsunami Taliabu $3.000
- National Tsunami Ready Training in Mauritius and/or Madagascar $3.000
- ODTP Conference and ITS – Hyderabad $2.000
- World Tsunami Awareness Day, Tsunami United $3.800

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b. Key Activities 2025

Task Teams on Disaster Management & Preparedness (TTDMP) of the Working Group on Tsunamis and Other Hazards related to Sea-Level Warning and Mitigation Systems (TOWS)
20 – 21 February 2025.

UNESCO-IOC Tsunami Information Centers (TICs) Annual Meetings
27 February 2025

Finalization of Tsunami Ready Additional Tools on:

- ***TR community – definition and guidance***
- ***OTGA Tsunami Awareness and Tsunami Ready training***
- ***File naming and file types (file metadata)***
- ***Recognition and Appreciation Certificates***
- ***Recognition Sign***

Training Workshop on Tsunami Evacuation Maps, Plans, and Procedures (TEMPP) and the UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) for Indian Ocean Member States
15-23 April 2025
Venue:
International Training Centre for Operational Oceanography (ITCOOcean), UNESCO Category2Centre, INCOIS - Hyderabad, India

The training was participated by 35 participants (14 female, 21 male) from 17 countries and 14 trainers (10 male, 4 female) from UNESCO IOC, India, Indonesia, and Japan.

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b. Key Activities 2025

National Tsunami Ready Training in Mauritius and/or Madagascar
and
Documentation of Eyewitness and Survivors Story of the 2004 Indian Ocean Tsunami

Preserving Past Tsunami Information for Future Preparedness

Documentation of Eyewitness and Survivors Story of the 1998 Taliabu Tsunami in Indonesia

Under IOTIC-BMKG Programme 2025

Activity Postponed to due to GOI Budget Efficiency that impacted BMKG

IOTIC Programme 2025

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c. Other activities:

Eighth session of the Global Platform for Disaster Risk Reduction
Geneva, Switzerland, 2-6 June 2025

Ignite Stage (6 June 2025)

12:35-12:50	Ardito M Kodijat	Understanding the Global Tsunami at Risk Community and Preparedness
12:50-13:05	Alfath Abu Bakar, Ardito M Kodijat, Admiral Musa Julius	Preserving Tsunami Information for Future Preparedness

IOTIC participation cancelled due to Budget Blockage

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c. Other activities:

USAID FROM THE AMERICAN PEOPLE

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

पृथ्वी विज्ञान मंत्रालय
Ministry of Earth Sciences

UKRI Natural Environment Research Council

Tsunami Ready Consultation Workshop and Coordination Meeting on the Capacity Development to Build Tsunami Resilient Communities through Tsunami Ready in ASEAN

11 -14 February 2025; Bali, Indonesia

Cancelled by Stop Working Order by USAID

People-Centred Early Warning for the Indian Coastlines (PCTWIN)

Stakeholder Workshop & First Annual Meeting,

8-11 April, Kochi, Kerala

- ***Participatory Mapping Exercise to Understand Vulnerability and Institutions Preparedness***
- ***Implementation plan for UNESCO-IOC Tsunami Ready in Edanavakkad – Kerala, India***
- ***Plan for practical tools for UNESCO-IOC 12 Indicators***

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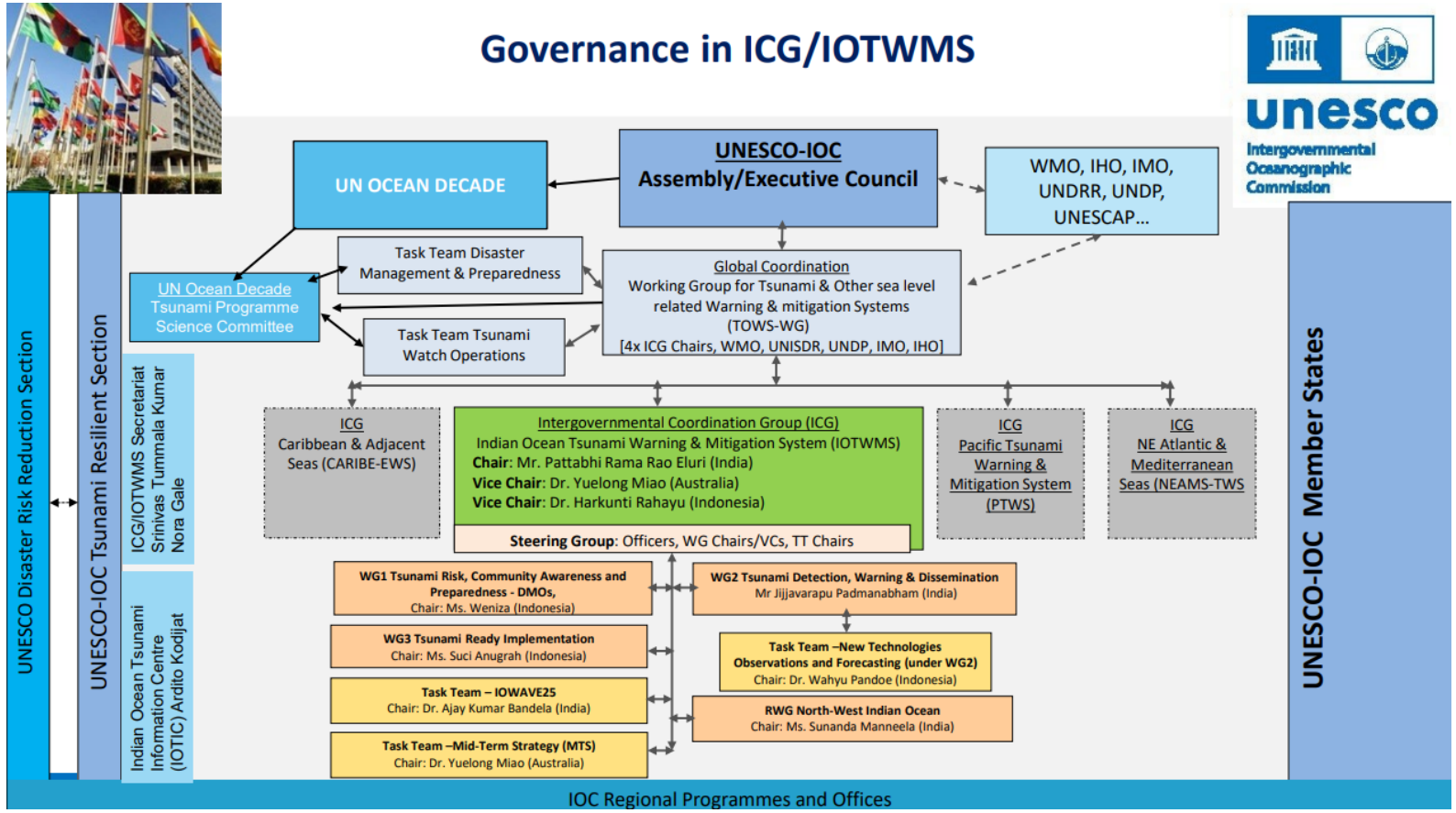
d. Upcoming activities 2025

Steering Group Meeting ICG/IOTWMS

17-19 June 2025

Meeting room 1 and 2

UNESCO Regional Office In Jakarta



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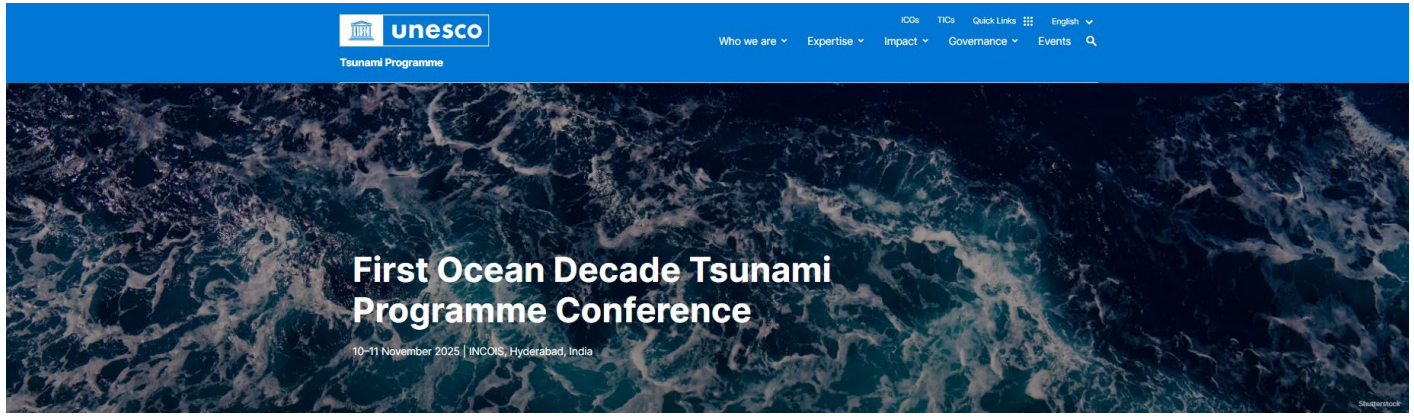
d. Upcoming activities 2025



Support the organization of OTDP in Hyderabad ➔ Provide Online Support

To share two programme:

1. Lessons Learnt of Tsunami Ready Implementation (TR Survey)
2. Preserving Past Tsunami information for Future Preparedness ➔ Story Telling

IOTIC participation cancelled due to budget blockage

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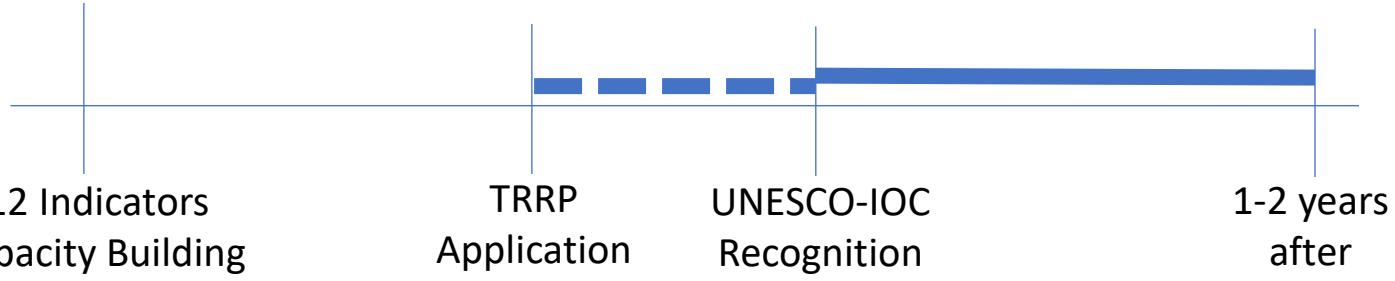
d. Upcoming activities 2025

Online Survey on Impact of Tsunami Ready Recognition To the Communities

48 Indian Ocean communities (26 in India and 22 in Indonesia) received Tsunami Ready Recognition from UNESCO-IOC.

This online survey is to obtain feedback from the community on the effectiveness of the implementation of the Tsunami Ready programme, to learn the challenges that was faced during the capacity building process, as well as to learn the impact of the recognition to the community.



July – November 2025
IOTIC – BMKG Programme

IOTIC Programme 2025

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Photo: Adobe Photo stock

d. Upcoming activities 2025

"Be Tsunami Ready: Investing Today for a Safer Tomorrow"

Five **online** sessions engaging high school students from Indian Ocean countries featuring feature role plays, games, creative activities, brainstorming, and campaigns on building awareness and learning how to invest in a safer future in the Indian Ocean region (1n context of tsunami hazards).

Session 1: "Tsunami Scenario Challenge"
Virtual Simulation Activity.

Session 2: "Tsunami Ready Schools"
One Page Infographic Challenge.

Session 3: "Tsunami Ready, Youth Voices"
Youth Talk Panel.

Session 4: "Wave of change: Your Voice, Your Ideas, and Your Solution"
Youth-led Brainstorming for Solutions.

Session 5: "One Message for a Safer Tomorrow"
Social Media Awareness Campaign.

20 July – 10 September 2025

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d. Upcoming activities 2025

World Tsunami Awareness Day
Youth Talk Show

Selected students from Tsunami United 2024 (4-6 students) will be invited to speak in a **virtual talk show** with tsunami experts (2 experts) on ***Why should we invest in tsunami preparedness, and how can youth contribute.***

We invite institutions, companies, and organizations to partnering to organize "in-person" World Tsunami Awareness Day Talk Show in Indonesia.

5 November 2025

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3. EXB: 230RAS2006 : Strengthening tsunami early warning in the Northwest Indian Ocean region through regional cooperation – Phase 2C

a. Budget Status

- Project Duration: 19 Months (21/09/2023 – 30/04/2025)
- Budget received: 302,829.86
- Budget available: 2,277.01
- Execution rate: 99%

Project Closed on 30 April 2025
1 pending payments and terminal reports.

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b. 2025 Key Activities

Training Workshop on Tsunami Evacuation Maps, Plans, and Procedures and the UNESCO-IOC Tsunami Ready Recognition Programme for Indian Ocean Member States 15-23 April 2025

Support for participants from India, Iran, and Pakistan, Trainers from Austtalia and Indonesia, Logistical arrangement, printing, and training materials and kits.

Translation of UNESCO-IOC Manual and Guide 74 and 82 to Urdu (Pakistan) and Farsi (Iran)

Urdu
MG74: 300 copies
MG82: 300 copies
The Karachi Effect of the Makran 1945 Tsunami: 400 copies

Farsi
MG74: 200 copies
MG82: 200 copies

Independent Consultant Evaluation of UNESCAP Projects Phase 1, 2a-b, and c

Consultant internview with stakeholder in India, Iran, Pakistan, including Oman and UAE

Waiting for Final Report

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4. Project Proposals

UNESCO/Flanders Fund-in-Trust

Strengthening Community Resilience to Ocean Hazards through implementation of Tsunami Ready Recognition Programme in Indian Ocean SIDS and Africa

Madagascar and Seychelles – spanning the Western Indian Ocean SIDS and Africa

18 Months

USD 49.922

UNESCAP Tsunami Trust Fund

Strengthening tsunami early warning in the Northwest Indian Ocean region through regional cooperation – Phase 3

India, Iran, Maldives, Oman*, Pakistan, Sri Lanka and United Arab Emirates (UAE)*

**Oman and UAE will be participating with their own funding*

24 Months

USD 357.000

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5. Project Concept Notes

Temasek

Empowering Youth and Early Career Scientists for Sustainable Ocean Development

UNESCO in Search of **NEMO**
Next g**E**neration for **M**arine and **O**cean

24 Months
S$ 1,845,027
USD 1,420,181

TBC

World Tsunami Awareness Day Youth Talk Show

Indian Ocean Youth

4 Months
USD 64.000

TBC

Strengthening Disaster Risk Reduction (DRR) Strategies in UNESCO Designated Sites in ASEAN

1. Enhance disaster resilience of UNESCO designated sites in ASEAN countries through improved DRR measures.
2. Ensure the protection of cultural and natural heritage from the adverse impacts of natural hazards.
3. Promote collaboration and knowledge-sharing among ASEAN countries and UNESCO to build sustainable DRR strategies for heritage sites.
4. Empower local communities through capacity-building initiatives in disaster preparedness and response.

36 Months
USD 9.100.000

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6. Other Matters

Recruitment of National Professional Officer for Disaster Risk Reduction and Tsunami Information in UNESCO Regional Office in Jakarta – Head of IOTIC

- **Job Description has been developed and Agreed by Science Sector and TSR UNESCO IOC.**
- **Posting for opening has not been done and due to the current situation, all recruitment plan has been frozen.**
- **Director UNESCO Office Jakarta has put a special request to ADG/ADM with justification to open the post for recruitment, waiting for approval.**

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7. Recommendation

Request UNESCO, especially UNESCO Regional Office in Jakarta and the Tsunami Resilient Section of UNESCO IOC to support the recruitment of the National Professional Officer of Disaster Risk Reduction and Tsunami Information in UNESCO Regional Office in Jakarta, who will also serving as the Head of IOTIC to ensure the continuation and sustainability of IOTIC.

Request IOTIC to continue to work on the budget of UNESCO-IOC and IOTIC-BMKG to ensure activities that was planned in 2025 can be funded and implemented in 2026 in addition to the new plan for 2026.

Appreciate IOTIC, the ICG/IOTWMS Secretariat on the successful implementation of the UNESCAP Project Phase 2c and the successful submission of the Flanders Fund-in-Trust (FUST) Project proposal and the submission of the Phase 3 UNESCAP proposal.

Appreciate and request for the continued support from UNESCO Regional Office in Jakarta in the implementation of programme, project, and activities of the IOTWMS.

Appreciate and request for the continued support from BMKG for the IOTIC-BMKG programme to ensure the continuation and sustainability of IOTIC.

Thank you

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UNESCO-IOC Indian Ocean Tsunami Information Centre
IOTIC-BMKG Programme Office

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