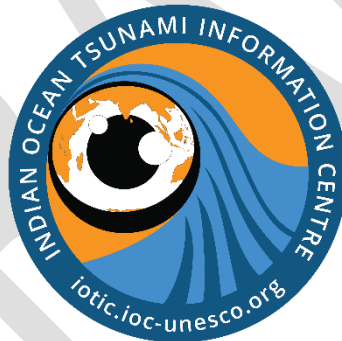




**IOTIC- BMKG Workplan
Programme and Activities of Indian Ocean Tsunami Information Centre (IOTIC)
Under the Partnership Agreement of UNESCO/IOC and BMKG**

**Under the Partnership Agreement
UNESCO-OIC and BMKG
(2023 - 2027)**



**Build capacity of the Indian Ocean at-risk communities with respect to tsunami hazards,
awareness, preparedness, education, and mitigation measures**

IOTIC- BMKG Workplan

Programme and Activities of Indian Ocean Tsunami Information Centre (IOTIC)

Under the Partnership Agreement of UNESCO/IOC and BMKG

Background

The Indian Ocean Tsunami Information Centre (IOTIC) was endorsed by the Indian Ocean member states at the 10th Session of the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) held in Muscat, Oman, 24-26th March 2015. The development of IOTIC builds on the Jakarta Tsunami Information Centre (JTIC), a project of UNESCO-IOC, supported by the Canadian International Development Agency (CIDA) and hosted at UNESCO Office Jakarta. The IOTIC is an UNESCO-IOC entity that operates under the overall authority of the Executive Secretary of UNESCO-IOC, and with day-to-day management oversight by the IOC-UNESCO National Programme Officer stationed in UNESCO Office Jakarta.

UNESCO-IOC signed a five-year partnership agreement with the Government of Indonesia, through the Agency for Meteorology, Climatology, and Geophysics of Indonesia (BMKG) for setting up the IOTIC-BMKG Programme Office (2017-2022). In 2022 UNESCO/IOC and BMKG have indicated their interest to renew the five-year partnership agreement for (2022 – 2027) with the overarching objective of this partnership to support and develop IOTIC-BMKG programme and activities to strengthen Indian Ocean Member States capacity and the Indian Ocean Tsunami Early Warning and Mitigation System.

The IOC Assembly approved the establishment of the IOC Ocean Decade Tsunami Programme (June 2021), with the aim of making 100% of communities at risk of tsunami prepared for and resilient to tsunamis by 2030 through the implementation of the UNESCO/IOC Tsunami Ready Recognition Programme and other initiatives. The implementation of the UNESCO/IOC Tsunami Ready Recognition Programme will be a key contribution to achieving the societal outcome 'A Safe Ocean' of the Ocean Decade.

Taking this into account, the IOTIC-BMKG programme and activities will focus in supporting the implementation of UNESCO/IOC Tsunami Ready Recognition Programme in the Indian Ocean Region.

The IOTIC-BMKG program and activities also aligned with the IOC Capacity Development Strategy (2015–2021) that is extended until 2023 and will be adjusted accordingly with the revised capacity development strategy for 2023-2030 once it is developed and adopted by the IOC Assembly.

Objectives

- Ensure the sustainability and continuation of service of the Indian Ocean Tsunami Information Centre to the Indian Ocean Member States of the ICG/IOTWMS.
- Support IOTIC programmes and activities in coordination with UNESCO/IOC Tsunami Unit, the UNESCO/IOC ICG/IOTWMS Governance, and the UNESCO/IOC ICG/IOTWMS Secretariat.
- Enhance BMKG's role in the Indian Ocean Tsunami Warning and Mitigation System.
- Support capacity building of BMKG's InaTEWS staff in international cooperation.

Expected Result

- Increased numbers of programs and activities implemented by IOTIC to support the Indian Ocean Member States of the ICG/IOTWMS.
- Increased numbers of Indian Ocean Member States implemented the UNESCO/IOC Tsunami Ready Recognition Programme

- Active involvement of BMKG's InaTEWS staff in IOTIC as well as in ICG/IOTWMS activities and programme.
- Strengthened capacity of IOTIC and BMKG's Staff.

Expected Outcome

Tsunami awareness, preparedness, and emergency response capacity of the Indian Ocean Member States communities enhanced and strengthened through the implementation of UNESCO/IOC Tsunami Ready Recognition programme and related activities.

The IOTIC-BMKG programme:

The programme carried out by IOTIC-BMKG under the partnership agreement annually will cover, but not limited to:

- A. Indian Ocean Tsunami Ready Workshops (IOTRW).
- B. Indian Ocean Capacity Building (IOCAP).
- C. Studies, Assessments, and Projects (IOSAP)

IOTIC-BMKG programme in coordination with UNESCO/IOC Secretariat will also ensure the management of IOTIC website and social media to communicate and document among others the IOTIC-BMKG programme and activities; Tsunami Education, Awareness and Preparedness resources; IOWave Tsunami Exercise; World Tsunami Awareness Day (WTAD); and other IOTIC activities and project results.

A. Indian Ocean Tsunami Ready Workshops (IOTRW)

Objective:

The objectives of Indian Ocean Tsunami Ready Workshops (IOTRW) are but not limited to:

- Facilitate the introduction, induction, training, and orientation of UNESCO/IOC, ICG/IOTWMS, and/or IOTIC related program and activities to the Indian Ocean Member States.
- Exchange information and experiences among the Indian Ocean Member States.
- Review IOTIC, ICG/IOTWMS and/or the Indian Ocean Member States Tsunami Ready related activities.
- Identify and recommend appropriate actions and improvements of programs and activities related to Tsunami Ready Programme implemented by IOTIC, ICG/IOTWMS and/or the Indian Ocean Member States.

Expected output

- Numbers of Indian Ocean Member States participating in the relevant workshops.
- Numbers of Indian Ocean Participants participating in the relevant workshops.
- Reports and recommendation of the relevant regional workshops.

Expected outcome:

The expected outcomes of this programme and activities are, but not limited to:

- Increased understanding of the Indian Ocean Member States of UNESCO-IOC, ICG/IOTWMS, and/or IOTIC programs and Tsunami Ready related activities.
- Updated information from the Indian Ocean Member States on the implementation of Tsunami Ready UNESCO-IOC, ICG/IOTWMS, and/or IOTIC programs and activities.
- Recommendation for related programs, activities improvements and/or actions for ICG/IOTWMS Working Groups, Task Teams, and IOTIC.

The regional workshop topics for the 5 years will cover:

Year 1 2023	Year 2 2024	Year 3 2025	Year 4 2026	Year 5 2027
Regional Workshop on Implementation of the UNESCO/IOC Tsunami Ready in the Indian Ocean	Regional Workshop on Gaps and Challenges UNESCO/IOC Tsunami Ready Implementation in the Indian Ocean	Regional Workshop on Upscaling the UNESCO/IOC Tsunami Ready Implementation in the Indian Ocean	Regional Workshop on Lessons Learnt of the UNESCO/IOC Tsunami Ready Implementation in the Indian Ocean	Regional Workshop on Upscaling the UNESCO/IOC Tsunami Ready Implementation in the Indian Ocean

(Note: The topics might change depending on the need, guidance of the ICG/IOTWMS Steering Group and budget available)

B. Indian Ocean Capacity Building Programme (IOCAP)

Objective:

Assist, enhance, develop, and/or empower the Indian Ocean Member States stakeholders (individuals and organizations) to implement programs and activities of UNESCO-IOC, ICG/IOTWMS, and/or IOTIC.

Expected output

- Numbers of Indian Ocean Member States participating in the IOTIC-BMKG Training activities.
- Numbers of experts with knowledge and capacity to implement UNESCO/IOC Tsunami Ready Recognition in Indian Ocean.
- Training reports.

Expected outcome:

Strengthened capacity of individuals and/or organizations of the Indian Ocean Member States to implement programs and activities of UNESCO-IOC, ICG/IOTWMS, and/or IOTIC

The capacity building program for the 5 years will cover these training topics but not limited to: 12 UNESCO/IOC Tsunami Ready Indicators; Tsunami Risk Assessment; Tsunami Evacuation Maps, Plans and Procedures; Community SOP for Tsunami Early Warning Emergency Response; and Community Tsunami Evacuation Exercise:

Year 1 2023	Year 2 2024	Year 3 2025	Year 4 2026	Year 5 2027
Regional Training # 1	Regional Training # 2	Regional Training # 3	Regional Training # 4	Regional Training # 5

(Note: The topics might change depending on the need, guidance of the steering group and budget available)

C. Studies, Assessments, and Projects (IOSAP)

Objective:

To conduct studies and/or assessments on specific community tsunami awareness and preparedness topic to support the Indian Ocean Tsunami Ready Workshop (IORW), capacity building programme (IOCAP), or the development of tsunami information, education, awareness, and preparedness materials. The activities could be but not limited to:

- Preserving Past Tsunami Information for Future Preparedness,

- **Studies, assessment, and/or surveys on 12 Tsunami Ready Indicators and/or the implementation of the UNESCO/IOC Tsunami Ready Recognition Programme.**

Expected output

- **Numbers of studies, assessment of project reports.**

Expected outcome:

- **Better information, knowledge, and/or understanding of the status, challenges, gaps, and progress of the 12 Tsunami Ready Indicators in the Indian Ocean Member States.**
- **Increased awareness and understanding in areas that have been hit by tsunamis, based on local evidence and eyewitness story**

The activities could cover these studies and project implementation:

Year 1 2023	Year 2 2024	Year 3 2025	Year 4 2026	Year 5 2027
Survey and Studies on the capacity of Member States in relation to the 12 UNESCO/IOC Tsunami Ready Indicators	Preserving Past Tsunami Information for Future Preparedness: 20 years after 2004 Indian Ocean Tsunami	Survey and Studies on the UNESCO/IOC Tsunami Ready Recognized Community Capacity	Preserving Past Tsunami Information for Future Preparedness: 20 years after Pangandaran Tsunami	Survey and Studies on the UNESCO/IOC Tsunami Ready Recognized Community Capacity

(Note: The topics might change depending on the need, guidance of the steering group and budget available)

Logical Framework



Performance Indicators

Long-term Impact Reduced of loss of lives due to tsunamis that impact the Indian Ocean Member States				
Quantitative and qualitative performance indicator (PI)	Baseline (B):	Source and means of verification (M):	Target (T):	Assumptions
Numbers of lives lost during a tsunami event.	No base line data.	Country report and ICG/IOTWMS Reports. Internationally coordinated post event surveys	Minimum to Zero loss of lives should a tsunami impact an Indian Ocean Member State coastline.	<i>The communities affected by the tsunami have received UNESCO/IOC Tsunami Ready Recognition.</i>
Outcome Tsunami awareness, preparedness, and response capacity of Indian Ocean Member States communities enhanced and strengthened through the implementation of the UNESCO/IOC Tsunami Ready Recognition Programme.				
Quantitative and qualitative performance indicator (PI)	Baseline (B):	Source and means of verification (M):	Target (T):	Assumptions
Numbers of Indian Ocean Member States implemented UNESCO/IOC Tsunami Recognition Programme and the numbers of communities received UNESCO IOC Tsunami Ready Recognition.	One (1) Country, India with two (2) Communities Venkatraipur and Noliasahi.	ICG/IOTWMS Member State Status Reports. Report of UNESCO/IOC Tsunami Ready Recognition application.	At least 10 Indian Ocean Member States implemented the UNESCO/IOC Tsunami Recognition Programme and at least 50 communities recognized as UNESCO IOC Tsunami Ready Communities by 2027	<i>Indian Ocean Member States implemented the UNESCO/IOC Tsunami Ready Recognition Programme</i>
Output UNESCO/IOC Tsunami Ready Recognition Experts, Recognized Communities, and the Lessons Learnt.				
Quantitative and qualitative performance indicator (PI)	Baseline (B):	Source and means of verification (M):	Target (T):	Assumptions
1. Numbers of UNESCO/IOC Tsunami Ready Recognition	No data and information.	Activity report.	At least 3 experts in each of the Indian Ocean Member States.	<i>Indian Ocean Member states send the right person(s) to participate in</i>

experts within the Indian Ocean Member States.				<i>the workshops and trainings.</i>
2. Numbers of Indian Ocean Member States implement the UNESCO/IOC Tsunami Ready Recognition Programme.	Two (2) Indian Ocean Member States (India and Indonesia).	ICG/IOTWMS Member State Status Reports. Report of UNESCO/IOC Tsunami Ready Recognition application.	At least 10 Indian Ocean Member States implemented.	<i>Indian Ocean Member states follow up the workshops and trainings activities and recommendation with an in-country programme to implement UNESCO IOC Tsunami Ready Programme.</i>
3. Information, knowledge, and lessons learnt, on the implementation of UNESCO/IOC Tsunami Ready Recognition in Indian Ocean Member States.	One (1) based on the implementation of UNESCO/IOC Tsunami Ready Recognition in India.	Activity report.	At least 10 Indian Ocean Member States implemented.	<i>Indian Ocean Member states representatives actively participate, engage, and contribute in the IOTRW, IOCAP and IOSAP activities.</i>
4. Reports and Recommendation on UNESCO/IOC Tsunami Ready Recognition from Indian Ocean Member States.	No data and information.	Activity report. ICG/IOTWMS Member State Status Reports.	At least 5 IOTRW Reports with Recommendation, 5 IOCAP reports and 5 IOSAP report.	<i>All IOTRW, IOCAP, IOSAP are funded and can be implemented annually.</i>
Programme and activities: IOTIC – BMKG Programme and Activities under the 5 years Partnership Agreement				Assumptions
1. Annual regional workshops on the topics of UNESCO/IOC Tsunami Ready Recognition Programme through the IOTIC-BMKG Indian Ocean Tsunami Ready Workshops (IOTRW).				<i>All topics for each of the programme link with UNESCO/IOC tsunami Ready Recognition Programme. Budget is available as planned in the Partnership Agreement.</i>
2. Annual training on the topics that support the implementation of UNESCO/IOC Tsunami Ready Recognition Programme and related activities through the IOTIC-BMKG Indian Ocean Capacity Building (IOCAP).				
3. Annual studies, assessment, and/or project implementation related to the implementation of UNESCO/IOC Tsunami Ready Recognition Programme and related activities through the IOTIC-BMKG Studies, Assessment and Project activities (IOSAP).				