



CONCEPT NOTE

MALDIVES TSUNAMI READY TRAINING AND PRESERVING 2004 INDIAN OCEAN TSUNAMI STORIES

5-9 August 2024,
Male - Maldives

BACKGROUND

- A. The UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) is an international community-based recognition programme aimed at building resilient communities through awareness and readiness strategies that will protect lives, livelihoods and property from tsunamis. The Programme is a key activity for achieving the Safe Ocean objective of the United Nations Decade of Ocean Science for Sustainable Development 2021-2030. Under the auspices of the UN Ocean Decade Tsunami Programme, the TRRP aims to help ensure that 100% of communities at risk of tsunamis are prepared for and resilient to tsunamis by 2030. Readiness is achieved through a collaborative effort among government agencies, scientists, community leaders and the public, who work together to meet an established set of 12 indicators covering Assessment, Preparedness, and Response. The UNESCO-IOC TRRP is actioned through Member State National Tsunami Ready Programmes.

At the 13th Meeting Session of the UNESCO-IOC ICG/IOTWMS in Bali - Indonesia, November 2022, The UNESCO-IOC Indian Ocean Tsunami Information Center (IOTIC) has been tasked to support preparedness against tsunamis of at-risk communities, by serving as the focal point under the guidance of the UNESCO-IOC Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) to guide, facilitate, support, and process the implementation of the UNESCO-IOC TRRP in the Indian Ocean. It is also tasked to assist national stakeholders in the overall improvement of tsunami preparedness and effective tsunami emergency response through provision of guidance on tsunami risk assessment, warning and emergency response, education and awareness, tsunami mitigation, and the implementation of national initiatives to reach certification against the UNESCO-IOC Tsunami Ready indicators.

At the same meeting, a new working group on Tsunami Ready Implementation (Working Group 3) was established with the Terms-of-Reference to: 1) Monitor and evaluate the implementation of the UNESCO-IOC TRRP, national tsunami warning chains, and related activities to deliver tsunami resilient and prepared communities around the Indian Ocean; 2) Provide guidance on how to nationally initiate UNESCO-IOC TRRP and similar national initiatives; 3) Facilitate sharing of experiences between Member State Tsunami Ready Focal Points (TRFPs); 4) Update Member States on UNESCO-IOC TRRP developments and other related initiatives; 5) In collaboration with UNESCO-IOC IOTIC and UNESCO-IOC Secretariat for ICG/IOTWMS, identify capacity development and resource needs of Member States to implement UNESCO-IOC TRRP, national tsunami warning chains, and related activities; and 6) Assist with training programmes for Member States implemented by UNESCO-IOC IOTIC and coordinated by UNESCO-IOC ICG/IOTWMS Secretariat to facilitate enhanced national tsunami warning chains and help at-risk communities becoming resilient and prepared for tsunamis.

Under the Partnership Agreement between UNESCO-IOC and the Government of the Republic of Indonesia, the IOTIC and the Indonesian Agency for Meteorology, Climatology and Geophysics (BMKG) implemented the IOTIC programme dedicated in supporting the Indian Ocean Member States in training to encourage and develop the capacity for Member States to implement the UNESCO-IOC TRRP. Accordingly, the UNESCO-IOC IOTIC, BMKG, ICG/IOTWMS WG 3, the ICG/IOTWMS Secretariat, in collaboration with National Disaster Management Authority of the Government of Maldives plan to hold National Tsunami Ready Training Workshop in Maldives from on 5-7 August 2023.

- B. The preserving past tsunami information for future preparedness activity aims to collecting and documenting reports and eyewitness accounts of the 2004 tsunami, and ensuring the information is available for the 20th commemoration of the 2004 Indian Ocean Tsunami in 2024. This activity is part of UNESCO-IOC Indian Ocean Tsunami Information Centre (IOTIC) programme in cooperation with the Indonesian Meteorology, Climatology and Geophysics Agency (BMKG). Under this IOTIC-BMKG programme 356 Stories of 8 past tsunamis eyewitnesses and survivors' story and information have been documented (1945 Makran Tsunami; 1950 Ambon Tsunami; Central Sulawesi Tsunamis (1938, 1968, and 2018); 1992 Flores Tsunami; 1994 Banyuwangi Tsunami; 1995 Dili Tsunami; 1996 Biak Tsunami, and 2000 Banggai Tsunami).

The IOTIC of UNESCO-IOC and BMKG in collaboration with National Disaster Management Authority of the Government of Maldives will document the eyewitnesses and survivors' story of this 2004 Indian Ocean Tsunami in Maldives on 8-9 August 2024.

OBJECTIVES

The specific objectives of the workshop are:

1. Introduce and promote UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) and related initiatives in Maldives.
2. To initiate the implementation of UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) in Maldives.
3. To document (video recording) the story of the Eyewitnesses and Survivors 2004 Indian Ocean Tsunami in Maldives

OVERALL FORMAT AND SCHEDULE

The National Tsunami Ready Training (NTRT) will be conducted in person for a duration of three days on Monday-Wednesday 5-7 August 2024.

Preliminary activities will be done by the National Disaster Management Authority of the Government of Maldives to identify the eyewitness and survivors. These eyewitness stories will be documented (video recording and interview) based on interview and survey format developed by UNESCO-IOC. The documentation process will take place on Thursday and Friday, 8-9 August 2024.

ORGANISERS

The organization of this regional workshop is undertaken by the UNESCO-IOC Indian Ocean Tsunami Information Center (IOTIC) and the National Disaster Management Authority (NDMA) of the Government of Maldives with the support of the Indonesian Meteorology, Climatology, and Geophysics (BMKG) and in coordination with the UNESCO-IOC Secretariat of the Intergovernmental Coordination Group for Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS).

PARTICIPANTS

This includes, but not limited to, members from national and local agencies (e.g., National Disaster Management Authority (NDMA), National Tsunami Warning Centre (NTWC), Local Disaster Management Organization (LDMO), local communities, Non-Government Organizations (NGOs), Universities, IFRC, research organizations, and youth and young professional organizations in Maldives).

EVENT WEBSITE

For further information on the workshop and registration, please refer to the event website:

<https://oceanexpert.net/event/4434>.

Organizer and Resource Persons

ICG/IOTWMS

- Mr. Bernardo Aliaga (b.aliaga@unesco.org)
- Ms. Nora Gale (n.gale@unesco.org)
- Ms. Suci Dewi Anugrah (suci.anugrah@bmkgo.go.id) Chair of WG3 of ICG/IOTWMS

Indian Ocean Tsunami Information Centre (IOTIC)

- Mr. Ardito M Kodijat (a.kodijat@unesco.org)
- Mr. Admiral Musa Julius (admiral.musa@bmkgo.go.id)
- Mr. Alfath Akbar (alfath.abu.bakar@bmkgo.go.id)
- Ms. Elisabet Anggun Pramesthi (elisabet.anggun@bmkgo.go.id)

National Disaster Management Authority (NDMA) Maldives

- Mariyam Shizna (mariyam.shizna@ndma.gov.mv)
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The Indonesian Meteorology, Climatology, and Geophysics (BMKG)

- Ms. Weniza (weniza@bmkgo.go.id)
- Ms. Septa Anggraini (septa.anggraini@bmkgo.go.id)
- Mr. Abdul Rosid (abdul.rosid@bmkgo.go.id)



MALDIVES TSUNAMI READY TRAINING PROGRAMME

5-9 August 2024,
Male - Maldives

Sunday 4 August 2024	Monday 5 August 2024	Tuesday 6 August 2024	Wednesday 7 August 2024	Thursday 8 August 2024	Friday 9 August 2024	Saturday 10 August 2024
<p>Arrival of IOTIC-BMKG Resource Persons In Maldives (morning)</p> <p>Coordination and Preparation for National Training</p>	<p>Training Day 1 09:00 – 16:30</p> <p>National Tsunami Ready Training for Maldives</p>	<p>Training Day 2 09:00 – 17:00</p> <p>National Tsunami Ready Training for Maldives</p>	<p>Training Day 3 09:00 – 16:30</p> <p>National Tsunami Ready Training for Maldives</p>	<p>(Travel to the site)</p> <p>Interview Eyewitnesses and Survivors of 2004 Indian Ocean Tsunami (3 persons)</p>	<p>(Travel to the site)</p> <p>Interview Eyewitnesses and Survivors of 2004 Indian Ocean Tsunami (7 persons)</p>	<p>Departure of IOTIC-BMKG Resource Persons From Maldives</p>



**PROVISIONAL AGENDA
NATIONAL TSUNAMI READY TRAINING FOR MALDIVES**

Monday – Thursday, 5-8 August 2024,
Male – Maldives

Local Time	Agenda Item	Notes
Training Day-1: <i>Monday, 5 August 2024</i>		
08:30 - 09:00 30'	Registration	
09:00 – 09:30 30'	1. Opening session Welcome remarks. <ul style="list-style-type: none"> • UNESCO Office New Delhi <i>Timothy Curtis, Director, and Representatives (Recording).</i> • Chair of the Intergovernmental Coordination Group for Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) / Head of Indonesian Agency for Meteorology, Climatology, and Geophysics. <i>Prof. Dwikorita Karnawati (TBC) – Online</i> • Maldivian Red Crescent <i>Secretary General, Ms. Fathimath Himya</i> • United Nations Resident Coordinator, Maldives. <i>Mr. Bradley J. Busetto</i> • Government of Maldives Chief Executive, NDMA Maldives. <i>Mr. Hisan Hassan</i> Photo Group	Remarks
09:30 – 10:00 30'	Coffee Break	
10:00 – 10:30 30'	2. Introduction of Participants <i>Moderator: Mr. Ardito M Kodijat</i>	Interactive activity
10:30 – 11:00 30'	3. Tsunami Hazard in Maldives <ul style="list-style-type: none"> • Tsunami Hazard and Risk in Maldives • Maldives Tsunami Early Warning System • Maldives Tsunami Preparedness and Emergency Response <i>NDMA Maldives: Deputy Chief Executive, Mr. Umar Fikry</i>	Presentation
11:00 – 12:00 60'	4. Introduction to UNESCO IOC Tsunami Ready Recognition Programme (TRRP) <ul style="list-style-type: none"> • Un Decade for Ocean Science • TRRP Background and Framework • Tsunami Ready Indicators 	Presentation

	<ul style="list-style-type: none"> Tsunami Ready Tools <i>UNESCO-IOC IOTIC: Mr. Ardito M Kodijat</i>	
12:00 – 13:00 60'	Lunch	
13:00 – 13:30 30'	5. How Prepared is Your Community? (30') Representative of the Maldives local areas/ island/ community to share their tsunami preparedness. Moderator: <i>IOTIC-BMKG Team Ardito M Kodijat</i>	Interactive Sessions and Discussions
13:30 – 14:30 60'	6.1. Tsunami Ready Indicators: Assessment Indicators What is it, how to achieve it, and examples. <ul style="list-style-type: none"> 6.1.a Assessment 1: Tsunami Hazard Map (15') <i>IOTIC-BMKG: Ms. Weniza</i> 6.1.b Assessment 2: People at risk (12') <i>IOTIC-BMKG: Ms. Elisabet Anggun Pramesthi</i> 6.1.c Assessment 3: Resource and Capacity (15') <i>IOTIC-BMKG: Mr. Abdul Rosid</i> 	Presentation
14:30 – 15:00 30'	6.2. Tsunami Ready Indicators: Assessment Indicators (30') Challenges and Solutions Moderator: <i>Mr. Ardito M Kodijat</i>	
15:00 – 15:15 15'	Coffee Break	
15:15 – 16:00 45'	7.1 Tsunami Ready Indicators: Preparedness Indicators What is it, how to achieve it, and examples. <ul style="list-style-type: none"> 7.1.a Preparedness 1: Evacuation Map - Guidelines, Map Standards (20') <i>IOTIC-BMKG: Mr. Alfath Abu Bakar</i> 7.1.b Preparedness 2: Public Information and signages (20') <i>IOTIC-BMKG: Mr. Admiral Musa Julius</i> 	Interactive Session
16:30	End of day 1	

Training Day-2: <i>Tuesday, 6 August 2024</i>		
08:30 - 09:00 30'	Registration	
09:00 - 09:30 30'	6.3. Summary of Tsunami Ready Assessment Indicators IOTIC-BMKG Team (30') Quiz on Assessment Indicators	Interactive Session
09:30 – 10:00 30	Coffee Break	
10:00 - 11:30 60'	7.1 Tsunami Ready Indicators: Preparedness Indicators <ul style="list-style-type: none"> 7.1.c Preparedness 3: Public Awareness and Education Resources (20') <i>IOTIC-BMKG: Mr. Admiral Musa Julius</i> 7.1.d Preparedness 4: Outreach and public 	Presentation

	<p>activities (15') <i>IOTIC-BMKG: Ms. Elisabet Anggun Pramesthi</i></p> <ul style="list-style-type: none"> • 7.1.e Preparedness 5: Exercises – Components (15') <i>BMKG: Mrs. Weniza</i> 	
11:00 - 11:30 60'	<p>7.2. Tsunami Ready Indicators: Preparedness Indicators Challenges and Solutions <i>Moderator: Mr. Ardito M Kodijat</i></p>	Interactive Session
11:30 – 12:15 (45')	<p>8.1. Tsunami Ready Indicators: Response Indicators What is it, how to achieve it, and examples.</p> <ul style="list-style-type: none"> • 8.1.a Response 1: Tsunami Emergency Response Operation Procedures (25') <i>IOTIC-BMKG: Mr. Ardito M Kodijat</i> • 8.1.b Response 2: Tsunami Emergency Response Capacity (20') <i>IOTIC-BMKG: Mr. Admiral Musa Julius</i> 	Presentation
12:15 – 13:15 60'	Lunch Break	
13:15 – 14:00 45'	<ul style="list-style-type: none"> • 8.1.c Response 3: Tsunami Early Warning System (Receiving Capacity) (15') <i>IOTIC-BMKG: Mr. Alfath Abu Bakar</i> • 8.1.d Response 4: Tsunami Early Warning System (Dissemination) (15') <i>IOTIC-BMKG: Mr. Abdul Rosid</i> 	Presentation
14:00 – 14:30 30'	<p>8.2. Tsunami Ready Indicators: Response Indicators Challenges and Solutions <i>Moderator: Mr. Ardito M Kodijat</i></p>	Interactive Session
14:30 – 15:00 30'	<p>9.1 The National Tsunami Ready Board (30)</p> <ul style="list-style-type: none"> • Roles and Function of NTRB • Example of NTRB in the Indian Ocean <i>IOTIC-BMKG: Mr. Ardito M Kodijat</i> 	Presentation
15:00 – 15:15 15'	Coffee Break	
15:15 – 16:00 45'	<p>9.2 The National Tsunami Ready Board Discussion on adopting the NTRB function to Existing Tsunami Coordination Mechanism in Maldives <i>Moderators:</i> <i>IOTIC-BMKG Mr. Ardito M Kodijat</i> <i>NDMA Maldives: Mrs. Maryam Shizna</i></p>	Discussion
16:00– 17:00 60'	<p>10. Tsunami Ready Boardgame Playing Session <i>IOTIC-BMKG Team</i></p>	Interactive Session
17:15	End of Training	

Training Day-3: <i>Wednesday, 7 August 2024</i>		
08:30 - 09:00 30'	Registration	
09:00 - 09:45 45'	08.3. Summary of Tsunami Ready Preparedness and Response Indicators Quiz on Assessment Indicators, <i>IOTIC-BMKG Team</i>	Discussion
09:45 – 10:15 30'	11. How a community becomes Recognized as Tsunami Ready Workflow and application process <i>UNESCO-IOC IOTIC: Mr. Ardito M Kodijat</i>	
10:15 – 10:30 15'	Coffee Break	
10:30 – 11:00 30'	12.1 Tsunami Ready Recognition Programme Implementation in Indian Ocean (30') Examples of communities who have received Tsunami Ready Recognition in Indonesia and India. <i>BMKG EQ and Tsunami Mitigation / Chair of WG-3 ICG-IOTWMS: Ms. Suci Dewi Anugrah</i>	Presentation
11:00 – 11:30 30'	12.2 Lessons Learnt from Community Tsunami Ready Capacity Development Approach in Indonesia (30') Example of the Earthquake Field Schools (Sekolah Lapang Gempa) of BMKG. <i>BMKG EQ and Tsunami Mitigation Ms. Septa Angraini.</i>	Presentation
11:30 – 12:30 60'	13.1. Tsunami Ready Implementation Plan in Maldives <ul style="list-style-type: none"> • Definition of Tsunami Ready Community in Maldives • Identification of Potential Tsunami Ready Communities in Maldives <i>Moderator:</i> <i>IOTIC-BMKG Mr. Ardito M Kodijat</i> <i>NDMA Maldives: Mrs. Maryam Shizna</i>	Interactive Session
12:30 – 13:30 60'	Lunch Break	
13:30 – 14:30 60'	13.2. Tsunami Ready Implementation Plan in Maldives <ul style="list-style-type: none"> • Programme Support Matrix (Indicator, Activities, Actors, Schedule). • Next Steps and Actions (plans, challenges, and needs) <i>Moderator:</i> <i>IOTIC-BMKG Mr. Ardito M Kodijat</i> <i>NDMA Maldives: Mrs. Maryam Shizna</i> <i>ICG/IOTWMS WG-3: Ms. Suci Desi Anugrah</i>	Interactive Session
14:30 – 15:00 30'	13.3. Tsunami Ready Implementation Plan in Maldives Conclusion and Recommendation <i>Moderator:</i> <i>IOTIC-BMKG Mr. Ardito M Kodijat</i> <i>NDMA Maldives: Mrs. Maryam Shizna</i>	Presentation

	<i>ICG/IOTWMS WG-3: Ms. Suci Desi Anugrah</i>	
15:00 – 15:15 15'	Coffee Break	
15:15 – 15:45 30'	14. Closing Session Closing remarks <ul style="list-style-type: none"> – UNESCO-IOC <i>Indian Ocean Tsunami Information Centre, Ardito M Kodijat</i> – Hosting Member State <i>NDMA Maldives Mr. Umar Fikry, Deputy Chief Executive</i> 	
16:00	End of Training	

NTRT Training Day 4 and Preserving Past Tsunami IOT 2004 Day-1: <i>Thursday, 8 August 2024</i>		
08:30 – 12:00 180'	Travel to the site	
12:00 – 13:00 60'	Lunch Break	
13:00 – 16:00 180'	Documentation of 2004 Indian Ocean Tsunami Eyewitness Stories <i>NDMA Maldives and IOTIC BMKG Team</i> <ul style="list-style-type: none"> • 3 Eyewitnesses 	Field Activities
16:00	End of Preserving Past Tsunami IOT 2004 Day-1	

Preserving Past Tsunami IOT 2004 Day-2: <i>Friday, 9 August 2024</i>		
09:00 - 14:00 300'	Documentation of 2004 Indian Ocean Tsunami Eyewitness Stories <i>NDMA Maldives and IOTIC BMKG Team</i> <ul style="list-style-type: none"> • 7 Eyewitnesses 	Site Visit
14:00 – 15:00 60'	Lunch Break	
16:00	End of Preserving Past Tsunami IOT 2004 Day-2	