



Concept Note

INDIAN OCEAN TSUNAMI READY HYBRID WORKSHOP

22 – 26 November 2022 | 0200 – 09:30 UTC

Organized and supported by

UNESCO-IOC IOTIC, UNESCO-IOC ICG/IOTWMS Secretariat, UNESCO, and BMKG

I. Background

The year of 2021 was the start of the United Nations Decade of Ocean Science for Sustainable Development (2021 - 2030), also known as the Ocean Decade. The Ocean Decade provides a ‘once in a lifetime’ opportunity to create a new foundation across the science-policy interface to strengthen the management of our oceans and coasts for the benefit of humanity. One of the seven outcomes is a “Safe Ocean” where life and livelihoods are protected from ocean hazards, such as tsunamis. One of the 10 challenges is to increase community resilience to ocean hazards.

In 2021, the UNESCO Intergovernmental Oceanographic Commission (IOC) Assembly approved the establishment of the UNESCO-IOC Ocean Decade Tsunami Programme (ODTP), 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 (TRRP) and other initiatives. The implementation of the TRRP will be a key contribution to achieving the societal outcome a “Safe Ocean” of the Ocean Decade.

The TRRP will also contribute to several United Nations Sustainable Development Goals (SDGs) and most specifically addresses Goal 11: “Make cities and human settlements inclusive, safe, resilient and sustainable”. Communities recognized as Tsunami Ready contribute to increasing the number of settlements adopting strategies to become disasters resilient.

Tsunami Ready recognition is achieved through a collaborative effort to meet a standard level of tsunami preparedness through fulfilling a set of indicators. It is implemented as a voluntary, performance-based community recognition programme that promotes an understanding of the concept of readiness as an active collaboration and shared responsibility among national and local warning and emergency management agencies, government authorities, scientists, community leaders, and the public.

The Indian Ocean Tsunami Information Centre (IOTIC) has piloted Tsunami Ready in the Indian Ocean since 2017 through several workshops and training activities. In 2020, two communities in India received recognition by the UNESCO-IOC Tsunami Ready Recognition Pilot Programme: Noliasahi and Venkatraipur in Odisha State. Following the IOC Assembly approval of the TRRP for full implementation in 2022, the Tanjung Bena community in Bali, Indonesia achieved UNESCO-IOC Tsunami Ready Recognition. At present India is working on implementing TRRP in a further 74 out of 324 communities in Odisha State, while 7 communities in Indonesia are in the application process to get Tsunami Ready Recognition from UNESCO-IOC. Other countries across the Indian Ocean are preparing to implement TRRP or similar national initiatives.

II. Objectives

The aim of the Indian Ocean Tsunami Ready Workshop is to invite, encourage and support Member States of the UNESCO-IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS) to implement the UNESCO-IOC Tsunami Ready Recognition Programme (TRRP), which contributes towards the UN Ocean Decade goal of 100% of communities at risk of tsunami being prepared for and resilient to tsunami by 2030.

The specific objectives of the workshop are to:

1. Introduce the UNESCO-IOC TRRP and the 12 Tsunami Ready Indicators
2. Introduce, showcase, and share the experiences of India and Indonesia in implementing the UNESCO-IOC TRRP and other activities
3. Identify and develop a joint work plan across the IOTWMS Member States to implement the UNESCO-IOC TRRP.
4. Shared learnings between countries and application in the North-West Indian Ocean

III. Programmes/Activities (physical and virtual)

1. Introduction to the UNESCO-IOC TRRP
 - Goals and benefits of the TRRP
 - Certification process
2. Introduction to UNESCO-IOC Tsunami Ready Indicators
 - Assessment Indicators
 - Preparedness Indicators
 - Response Indicators
3. Introduction to UNESCO-IOC Tsunami Ready communication tools.
 - UNESCO IOC Tsunami Ready Viewer
 - Tsunami Ready videos
 - 14 Tsunami Ready animated videos
 - Tsunami Girl video
 - Selected World Tsunami Awareness Day (WTAD) Tsunami Ready videos
 - Tsunami Ready Boardgame playing session
4. Sharing of good examples and experiences in the implementation of UNESCO-IOC TRRP
 - Indian communities of Noliasahi and Venkatraipur
 - Indonesian communities of Tanjung Benoa, Tambakrejo, Kemandang, Glagah, Panggarangan, Pangandaran and Kuta Mandalika
 - Other Tsunami Ready stakeholders and collaborators
5. Capacity building activities of the UNESCAP funded project – “Strengthening tsunami early warning in the North-West Indian Ocean region through regional cooperation”

IV. Participants

Representatives of IOTWMS Member States responsible for the consideration, planning, and implementation of the UNESCO-IOC TRRP in their country, among others but not limited to:

1. Government representatives from National and/or Local Disaster Management Offices (N/LDMOs) and/or National Tsunami Warning Centres (NTWCs)
2. National and/or local key stakeholders working on tsunami awareness and preparedness
3. Representatives of communities implementing or planning to be Tsunami Ready

4. Other organisations, donors, and partners interested in supporting the implementation of the UNESCO-IOC TRRP in the Indian Ocean.

Onsite Participants

General onsite attendance will be open for self-funded or donor-supported participants who register and meet the selection criteria.

Online Participants

Online participation is open to other participants nominated by the UNESCO-IOC Tsunami National Contacts (TNCs), participants in the UNSECAP North-West Indian Ocean Project, and other interested participants from Disaster Management Offices (National and Local), National Tsunami Warning Centres, Non-Governmental Organisations/Civil Society Organisations, and community representatives interested in implementing or learning more about the UNESCO-IOC TRRP.

V. Date and Time

The Indian Ocean Tsunami Ready Hybrid Workshop will be held over 5 days

Day/date: Tuesday 22 November – Saturday 26 November 2022 inclusive

Time: 02:00 – 09:30 UTC

Western Indian Ocean Region

- South Africa, Mozambique 04:00-11:30
- Tanzania, Kenya, Yemen, Madagascar, Comoros 05:00-12:30
- Seychelles, Mauritius, France La Reunion 06:00-13:30

North-Western Indian Ocean Region

- Yemen 05:00-12:30
- Oman, UAE 06:00-13:30
- Iran: 06:30-14:00
- Pakistan 07:00-14:30
- India 07:30-15:30

Eastern Indian Ocean Region

- Maldives 06:00-13:30
- Sri-Lanka 06:30-14:00
- Bangladesh 07:00-14:30
- Myanmar 08:30-16:00
- Indonesia (Jakarta), Thailand 09:00-16:30
- Australia (Perth), Indonesia (Bali), Malaysia, Singapore, 10:00-17:30
- Timor-Leste 11:00-18:30
- Australia Melbourne 12:00-19:30

VI. Venue

The Indian Ocean Tsunami Ready Workshop will be held in hybrid format (onsite and online).

For onsite participants the workshop will be held in:

The Sakala Resort Hotel Bali

Jl. Pratama No.95, Benoa, Kec. Kuta Sel., Kabupaten Badung, Bali 80363

<https://www.sakalaresortbali.com/>

Online participation will be held via the Zoom Platform. The link will be provided upon registration.

VII. Registration for Zoom Link

Interested participants can register at:

https://unesco-org.zoom.us/webinar/register/WN_Hkkit-cnSX-trDEXu3UbHw

This webinar is for users with a Zoom account.

If you do not have Zoom Account [Sign up free.](#)

VIII. Website

Workshop materials will be made available online at:

<https://oceanexpert.org/event/3635>

IX. Organizing Committee

1. UNESCO-IOC IOTIC (IOTIC - BMKG Programme)
 - Ardito M Kodijat (Chair)
 - Litanya Octonovrilna
 - Admiral Musa Julius
 - Alfath Abu Bakar
2. UNESCO-IOC ICG/IOTWMS Secretariat
 - Rick Bailey
 - Nora Gale
3. UNESCO Office Jakarta
 - Erawati Dinanti
 - Ganni Ramadian Mulya
4. UNESCAP
 - Temily Isabella Baker
5. BMKG
 - Daryono
 - Suci Dewi Anugrah
 - Hidayanti
 - Septa Anggraini
 - Resty Herdiani Rahayu
 - Mila Apriani
 - Debi Safari Yogaswara
 - Tribowo Kriswinarso
 - Muhammad Hafizh Ghifari

X. Further Information

For further information please contact:

a.kodijat@unesco.org, n.gale@unesco.org or admiralmusajulius@gmail.com

PROVISIONAL TIMETABLE
UNESCO/IOC IOTIC - BMKG – UNESCO/IOC ICG/IOTWMS Secretariat – UNESCAP
INDIAN OCEAN TSUNAMI READY WORKSHOP
22 – 26 November 2022 | 0200 – 09:30 UTC

Time UTC	Tuesday 22 November	Wednesday 23 November	Thursday 24 November	Friday 25 November	Saturday 26 November
0200 – 0400 (UTC) 10:00 – 12:00 (Bali time) 2 hours	Session 1: Icebreaking Session • Introduction of Participants (Onsite and Online) • Info-display (use materials from GPDRR) (Online running PPT Offline Poster – VR) • Tsunami Ready Boardgame Playing Session (For onsite participants in Bali)	Session 4: Piloting-Implementing UNESCO-IOC Tsunami Ready Recognition Programme Keynote Presentation (and videos) of Invited TR community leader and champions • India – Odisha State Disaster Management Agency • Indonesia – Tanjung Benoa Disaster Risk Reduction Forum • Indonesia - U-INSPIRE Indonesia	Session 7: Reducing exposure to disasters and raising awareness Keynote Presentation: • Review of national capacity in Implementing 12 of UNESCO-IOC Tsunami Ready Indicator • The Role of National Tsunami Warning Chains in Tsunami Ready Communities • Review of national tsunami warning chains in each country • Supporting community responses to non-seismic and complex source tsunamis	Session 10a: Site visits (For onsite participants) 1. Tanjung Benoa Tsunami Ready Community 12:30 – 02:30 (UTC) 08:30 – 10:30 (Bali time) School drill and evacuation to designated hotel	Free Time
0400 - 0500	Break	Break	Break		
0500 – 0700 (UTC) 13:00 – 15:00 (Bali time) 2 hours	Session 2: Opening - Welcome - Housekeeping - Objectives Keynote Presentation: “Coastal communities at risk of tsunami impacts need to be ready” WTAD Winning Youth Videos	Session 5: UNESCO-IOC Tsunami Ready Indicators. I. Assessment Indicators • ASSESS-1: Tsunami hazard zones are mapped and designated • ASSESS-2: Number of people at risk in tsunami hazard zone estimated • ASSESS-3: Economic, infrastructural, political, and social resources identified Good practice Example from UNESCO-IOC Tsunami Ready Recognized Community on Assessment Indicators	Session 8: UNESCO-IOC Tsunami Ready Indicators. II. Preparedness Indicators • PREP-2: Tsunami information including signage is publicly displayed • PREP-3: Outreach and public awareness and education resources are available & distributed • PREP-4: Outreach or educational activities are held at least 3 times/year • PREP-5: Community tsunami exercise conducted at least every 2 years Good practice Example from UNESCO-IOC Tsunami Ready Recognized Community on Preparedness Indicators	Session 10b: Site visits (For onsite participants) 2. Bali Province Disaster Management Office 03:00 – 04:30 (UTC) 11:00 – 12:30 (Bali time) <i>Virtual / Online Participant:</i> <i>Tanjung Benoa Tsunami Ready Video and Selected Tsunami Ready WTAD videos</i>	Presentation of Certificates to Indian Ocean UNESCO-IOC Recognized Tsunami Ready Community Session 12: Panel and open discussion: How to achieve 100% at-risk communities prepared and resilient Country plans by National Tsunami Ready Focal Points present
0700 - 0730	Break & photo	Break	Break	Break	
0730 – 0930 (UTC) 15:30 – 17:30 (Bali time) 2 hours	Session 3: UNESCO-IOC Tsunami Ready Recognition Programme (TRRP) • Introduction to UNESCO TRRP • UNESCO-IOC Tsunami Ready tools • Certification process	Session 6: UNESCO-IOC Tsunami Ready Indicators. II. Preparedness Indicators • PREP-1: Easily understood evacuation maps approved • Tsunami Evacuation Planning Good practice Example from UNESCO-IOC Tsunami Ready Recognized Community on Tsunami Evacuation Planning Indicators	Session 9: UNESCO-IOC Tsunami Ready Indicators. III. Response Indicators • RESP-1: Community tsunami emergency response plan approved • RESP-2: Capacity to manage emergency response operations during a tsunami in place • RESP-3: Redundant and reliable means to timely receive 24-hour official tsunami alerts in place • RESP-4: Redundant and reliable means timely distribute 24-hour official alerts to public in place Good practice Example from UNESCO-IOC Tsunami Ready Recognized Community on Response Indicators	Special Session 11: Inundation & Evacuation Mapping in the North-West Indian Ocean 06:30 – 09:30 (UTC) 14:30 – 17:30 (Bali time)	Country plans by National Tsunami Ready Focal Points present (continued) Session 13: Summary and Closing
0930 - 1000	Break	Break	Break		
1100 – 1230 (UTC) 19:00 – 20:30 (Bali time) 1.5 hours	Symposium Dinner (For onsite participants in Bali)	Tsunami Ready Boardgame Playing Session (For onsite participants in Bali)	Tsunami Ready Boardgame Playing Session (For onsite participants in Bali)		



INTERGOVERNMENTAL COORDINATION GROUP FOR INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM
INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION of UNESCO

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Annotated Programme

Day 1 – Tuesday, 22 November 2022			
Time	Agenda	Activity	Support
Session 1: Icebreaking Session			
02.00 – 04.00 (UTC) 10:00 – 12:00 (Bali time) (2 Hours)	Introduction of Participants (Online and Offline) Presentation of Tsunami Ready Communication Tools – GPDRR Materials and tools 12 Tsunami Ready Indicators Profile of the Recognized Communities Caah Laut Dance (Tsunami Awareness Dance) Students of SMA-1 Panggarangan	<ul style="list-style-type: none"> Onsite (For Onsite participants in Bali) <ul style="list-style-type: none"> VR Google Tsunami Ready Boardgame Playing Session Posters Online running PPT Offline Poster 	IOTIC-BMKG team
04:00 – 05:00 12:00 – 13:00	Break Lunch Break for Onsite Participants		
Session 2: Opening			
05:00 – 05:05 13:00 – 13:05	Welcome Housekeeping	Onsite and online	MC
05:05 – 05:20 13:05 – 13:20 (15 minutes)	Opening remarks: UNESCO-IOC: (05') <ul style="list-style-type: none"> <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i> UNESCOAP: (05') <ul style="list-style-type: none"> <i>Ms Temily Isabella Baker, Programme Officer, Disaster Risk Reduction Section (DRS)</i> BMKG: (05') <ul style="list-style-type: none"> <i>Professor Dwikorita Karnawati, Head of Indonesian Meteorology, Climatology, and Geophysical Agency</i> 	Onsite and online	MC
05:20 -05:30 13:20 – 13:30 (10 minutes)	Workshop Objectives and Agenda (10') <ul style="list-style-type: none"> <i>Ardito M Kodijat – UNESCO-IOC IOTIC</i> 	Onsite and online	MC
05:30 -05:40 13:30 – 13:40 (10 minutes)	Tsunami Ready in the Context of UN Decade for Ocean Science (10') <ul style="list-style-type: none"> <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i> 	Onsite and online	
05:40 -05:50 13:40 – 13:50	Photo Session (10')	Onsite and online	MC
05:50 – 06:00 13:50 – 14:00 (10 minutes)	Tsunami Ready Video 1	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
06:00 – 07:00 14:00 – 15:00 (60 minutes)	Keynote Discussion Coastal communities at risk of tsunami impacts need to be ready	Onsite: Talk show arrangement Each speaker gives a 10-minute talk / presentation about their	IOTIC-BMKG team

	<p>Moderator: <i>Dr. Harkunti P Rahayu, Chair of WG-1 and Chair of TTDMP TOWS, Lecturer of ITB and Head of IABI</i></p> <ul style="list-style-type: none"> • <i>Speaker from India Mr. Ajay Kumar Bandela, Indian National Centre for Ocean Information Services (INCOIS) (10')</i> • <i>Speaker from Indonesia: Suci Dewi Anugrah, Sub Coordinator Earthquake Mitigation, BMKG (10')</i> • <i>Speaker from Iran: Mohammad Kazeminezhad, Iranian National Institute for Oceanography and Atmospheric Science (10')</i> • <i>Speaker from Maldives: Ibrahim Anoof, Environment Analyst U-INSPIRE Maldives (10')</i> • <i>Speaker from Pakistan: Mr. Syed Zaki Hassan Naqvi, Pakistan Meteorology Department (10')</i> 	<p>coastal communities at risk of tsunami.</p> <p>Moderator to summarize the need for coastal community to be ready (20 minutes)</p> <p>Online: Questions via chat</p>	
07:00 – 07:30 15:00 – 15:30	Break Coffee Break for Onsite Participants		
Session 3: UNESCO-IOC Tsunami Ready Recognition Programme (TRRP)			
07:30 – 07:40 15:30 – 15:40	Tsunami Ready Video 2	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
07:40 – 09:00 15:40 – 17:00 (80 minutes)	<p>Introduction to UNESCO Tsunami Ready Recognition Programme</p> <p>Moderator: <i>Ms. Nora Gale, UNESCO-IOC ICG/IOTWMS Secretariat</i></p> <ul style="list-style-type: none"> • <i>Introduction to UNESCO IOC TRRP (15')</i> <i>Ardito M Kodijat, UNESCO-IOC IOTIC:</i> • <i>Introduction to National Tsunami Ready Board NTRB India, Mr. Ajay Kumar Bandela, Indian National Centre for Ocean Information Services (INCOIS) (15')</i> <i>NTRB Indonesia, Professor Dwikorita Karnawati, Head of Indonesian Meteorology, Climatology, and Geophysical Agency (15')</i> • <i>Tsunami Ready Recognition Process (15')</i> <i>Rick Bailey, UNESCO-IOC ICG/IOTWMS Secretariat:</i> 	<p>Onsite: Talk show arrangement</p> <p>Each speaker gives max 20 minutes presentation / talk on the subject</p> <p>Moderator leads question and answer and summarizes the discussion (20 minutes)</p> <p>Online: Questions via chat</p>	IOTIC-BMKG team
09:00 – 09:15 17:00 – 17:15	<p>Summary of Day 1 and Agenda for Day 2 (15')</p> <p><i>Ardito M Kodijat – UNESCO-IOC IOTIC</i></p>	Onsite and online	IOTIC-BMKG Team
End of Day 1			
11:00 – 12:30 19:00 – 20:30 (90 minutes)	Symposium Dinner for Onsite Participants	For Onsite participants	IOTIC-BMKG Team

Day 2 – Wednesday, 23 November 2022			
Time	Agenda	Activity	Support
Session 4: Piloting-Implementing UNESCO-IOC Tsunami Ready Recognition Programme			
02:00 – 02:10 10:00 – 10:10 (10 minutes)	Tsunami Ready Video 3	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
02:10 – 02:50 10:10 – 10:50 (40 minutes)	<p>Lessons Learnt in Implementing Tsunami Ready</p> <p>Moderator: <i>Dr. Mehdi Masoodi, IOC UNESCO – UNESCAP Consultant, University of Hormozgan</i></p> <ul style="list-style-type: none"> • <i>Lessons learnt from Noliyasi and Venkatraipur (10')</i> <i>(NDMA Lead initiative)</i> • <i>India: Mrs. Susmita Behera, Chief General Manager - Odisha State Disaster Management Authority</i> • <i>Lessons learnt from Tanjung Benoa (10')</i> <i>(Village Community DRR based initiative)</i> 	<p>Onsite: Talk show arrangement</p> <p>Each speaker gives a 10 minute talk / presentation on the process of how the Tsunami Ready was initiated in the community, what were the challenges, and what were key success factors) (not a presentation implementation of the 12 indicators).</p>	IOTIC-BMKG team

	<p><i>Indonesia: Representative of FPRB Tj Benoa Dr. I Wayan Deddy Sumantra,</i></p> <ul style="list-style-type: none"> Lessons learnt from Panggarangan (10') (Independent Community based initiative) <p><i>Indonesia: Representative of GMLS Panggarangan Mr. Anis Faisal Reza</i></p>	<p>Moderator leads question and answer and summarizes the discussion</p> <p>Online: Questions via chat</p>	
02:50 – 03:00 10:50 – 11:00 (10 minutes)	Tsunami Ready Video 4	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
03:00 – 03:50 11:00 – 11:50 (50 minutes)	<p>Lessons Learnt from Tsunami Ready stakeholders and collaborators</p> <p>Moderator: <i>Ardito M Kodijat, IOC-UNESCO IOTIC.</i></p> <ul style="list-style-type: none"> Lessons learnt from Hotels in Tanjung Benoa (10') <i>Representative of Hotel Industry: Peninsula Bay Resort (Hotel Tanjung Benoa) - I Ketut Dharma Saputra, ST</i> Lessons learnt from a Stakeholder in Glagah (10') <i>Representative of Yogyakarta International Airport and/or the community: Panggih Kurnia Adhi, Airport Environment Manager PT. AP YIA Airport</i> Lessons learnt by Collaborators in Panggarangan (10') <i>Representative of U-INSPIRE Dr. Rahma Hanifa, National Research and Innovation Agency (BRIN) – U-INSPIRE Alliance</i> 	<p>Onsite: Talk show arrangement</p> <p>Each speaker gives a max 10 minute talk / presentation of how and why Tsunami Ready is important to them and how they collaborate with the community in the context of Tsunami Ready Implementation.</p> <p>Moderator leads question and answer and summarizes the discussion</p> <p>Online:</p>	IOTIC-BMKG team
03:50 – 04:00 11:50 – 12:00 (10 minutes)	Tsunami Ready Video 5	Play two selected Tsunami Ready videos	IOTIC-BMKG team
04:00 – 05:00 12:00 – 13:00	<p>Break</p> <p>Lunch Break for Onsite Participants</p>		
<p>Session 5: UNESCO-IOC Tsunami Ready Indicators - ASSESS</p>			
05:00 – 05:10 13:00 – 13:10 (10 minutes)	Tsunami Ready Video 6	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
05:10 – 06:50 13:10 – 14:50 (100 minutes)	<p>Assessment Indicators</p> <p>Moderator: <i>Temily Isabella Baker, Programme Management Officer, UNESCAP</i></p> <ul style="list-style-type: none"> ASSESS-1: Tsunami hazard zones are mapped and designated (15') <i>Dr. Rahma Hanifa, BRIN – U-INSPIRE</i> ASSESS-2: Number of people at risk in tsunami hazard zone estimated (10') <i>Alfath Abu Bakar, IOTIC-BMKG</i> ASSESS-3: Economic, infrastructural, political, and social resources identified (15') <i>Dr. Harkunti P Rahayu, Chair of WG-1 and Chair of TTDMP TOWS, Lecturer of ITB and Head of IABI</i> <p>Good Practices for Assessment Indicator</p> <ul style="list-style-type: none"> Support of BMKG in Development of Tsunami Hazard Map and Sekolah Lapang Gempa (15') <i>Suci Dewi Anugrah, Sub Coordinator Earthquake Mitigation, BMKG.</i> 	<p>Onsite: Workshop</p> <p>Online: Questions via chat</p> <p>Presentation Style</p> <p>Each speaker gives max 15 minutes presentation / talk on the subject</p> <p>Moderator leads question and answer after each presentation (10 minutes)</p>	IOTIC-BMKG team
06:50 – 07:20 14:50 – 15:20	<p>Break</p> <p>Coffee Break for Onsite Participants</p>		
<p>Session 6: UNESCO-IOC Tsunami Ready Indicators - PREP</p>			
07:20 – 07:30 15:20 – 15:30 (10 minutes)	Tsunami Ready Video 7	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team

07:30 -09:10 15:30 – 17:10 (100 minutes)	<p>Preparedness Indicators Moderator: <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i></p> <ul style="list-style-type: none"> • PREP-1: Easily understood evacuation maps approved (20') <i>Ardito M. Kodijat, UNESCO-IOC IOTIC</i> • Tsunami Evacuation Planning: Gap analysis and development of guidance on evacuation planning in the NWIO región (20') <i>Harald Spahn, Consultant UNESCAP North-West Indian Ocean Project</i> <p>Good Practices / examples of Evacuation Planning</p> <ul style="list-style-type: none"> • Example from India (10') • Tambakrejo Tsunami Evacuation Route (10') <i>Representative of Tambakrejo Village: Nanot Ekoadi Santoso</i> • Kemadang Tsunami Evacuation Route (10') <i>Representative of Kemadang: Surisdiyanto</i> • Good Practices / examples of Evacuation Planning for Tourist (10') <i>Representative of Pangandaran: Surisdiyanto Sutan Abdul Rosid</i> 	<p>Onsite: Workshop Online: Questions via chat Presentation Style Each speakers gives max 15 minutes presentation / talk on the subject Moderator leads question and answer after each presentation (10 minutes)</p>	IOTIC-BMKG team
09:10 – 09:25 17:10 – 17:25 (15 minutes)	<p>Summary of Day 2 and Agenda for Day 3 <i>Ardito M Kodijat – UNESCO-IOC IOTIC</i></p>	Onsite and Online	IOTIC-BMKG Team
Activity			
09:30 – 11:30 17:30 – 19:00 (90 minutes)	Tsunami Ready Boardgame Playing Session for Interested Onsite Participants	Boardgames setup for after dinner engagement and entertainment	IOTIC-BMKG Team
End of Day 2			

Day 3 – Thursday, 24 November 2022			
Time	Agenda	Activity	Support
Session 7: Reducing exposure to disasters and raising awareness			
02:00 – 02:10 10:00 – 10:10	Tsunami Ready Video 8	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
02:10 – 03:00 10:10 – 11:00 (50 minutes)	<p>National capacity for implementing Tsunami Ready Moderator: <i>Dr. Harkunti P Rahayu, Chair of WG-1 and Chair of TTDMP TOWS, Lecturer of ITB and Head of IABI</i></p> <ul style="list-style-type: none"> • Review of national capacity for 12 of UNESCO-IOC Tsunami Ready Indicators (15') <i>Ardito M Kodijat, UNESCO-IOC IOTIC</i> • Developing capacity of countries to be prepared for the tsunami threat (15') <i>Temily Baker, Programme Officer Disaster Risk Reduction Section (DRS) United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)</i> 	<p>Onsite: Talk show arrangement Each speaker gives a 15 minutes talk / presentation. Moderator leads question and answer and summarizes the discussion Online: Questions via chat</p>	IOTIC-BMKG team
03:00 – 03:10 11:00 – 11:10	Tsunami Ready Video 9	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
03:10 – 04:00 11:10 – 12:00 (50 minutes)	<p>Reducing Exposure to Tsunami Disaster Moderator: <i>Shah Raza, Natural Science National Professional Officer - Pakistan</i></p>	<p>Onsite: Talk show arrangement Each speaker gives a 15 minutes talk / presentation.</p>	IOTIC-BMKG team

	<ul style="list-style-type: none"> The Role of National Tsunami Warning Chains in Tsunami Ready Communities (15') <i>Harald Spahn, Consultant UNESCO North-West Indian Ocean Project</i> Supporting community responses to non-seismic and complex source tsunamis (15') <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i> 	Moderator leads question and answer and summarizes the discussion Online: Questions via chat	
04:00 – 05:00 12:00 – 13:00	Break Lunch Break for Onsite Participants		
Session 8: UNESCO-IOC Tsunami Ready Indicators – PREP continue			
05:00 – 05:10 13:00 – 13:10	Tsunami Ready Video 10	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
05:10 – 07:00 13:10 – 15:00 (110 minutes)	<p>Preparedness Indicators</p> <p>Moderator: <i>Suci Dewi Anugrah, Sub Coordinator Earthquake Mitigation BMKG</i></p> <ul style="list-style-type: none"> PREP-2: Tsunami information including signage is publicly displayed (15') <i>Hidayanti, Sub Coordinator Mitigasi Tsunami</i> PREP-3: Outreach and public awareness and education resources are available & distributed (15') <i>Admiral Musa Julius, IOTIC-BMKG</i> PREP-4: Outreach or educational activities are held at least 3 times/year (10') <i>Litanya Octonovrilna, IOTIC-BMKG</i> PREP-5: Community tsunami exercise conducted at least every 2 years (15') <i>Mrs. Nora Gale, UNESCO-IOC ICG/IOTWMS Secretariat</i> <p>Good Practices / examples of Outreach activities</p> <ul style="list-style-type: none"> Door to Door and Local culture and wisdom (10') <i>Representative of Panggarangan Village (TBC) Mr. Anis Faisal Reza</i> Science Communication for Community Awareness (10') <i>Representative of Universitas Multimedia Nusantara, Mr. Irwan Fakhruddin / Ms. Maria Advenita Gita Elmada</i> 	<p>Onsite: Workshop</p> <p>Online: Questions via chat</p> <p>Presentation Style</p> <p>Each speaker gives max 15 minutes presentation / talk on the subject</p> <p>Moderator leads question and answer after each presentation (10 minutes)</p>	IOTIC-BMKG team
07:00 – 07:30 15:00 – 15:30	Break Coffee Break for Onsite Participants		
Session 9: UNESCO-IOC Tsunami Ready Indicators - RESP			
07:30 – 07:40 15:30 – 15:40	Tsunami Ready Video 11	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
07:40 -09:20 15:40 – 17:20 (100 minutes)	<p>Response Indicators</p> <p>Moderator: <i>Ghazala Naeem (IOC-UNESCO UNESCAP Consultant)</i></p> <ul style="list-style-type: none"> RESP-1: Community tsunami emergency response plan approved (20') <i>Harald Spahn, Consultant UNESCAP Project</i> RESP-2: Capacity to manage emergency response operations during a tsunami in place (15') <i>Ardito M Kodijat, IOC-UNESCO IOTIC</i> RESP-3: Redundant and reliable means to timely receive 24-hour official tsunami alerts in place (10') <i>Ms. Nora Gale, UNESCO-IOC ICG/IOTWMS Secretariat</i> 	<p>Onsite: Workshop</p> <p>Online: Questions via chat</p> <p>Presentation Style</p> <p>Each speaker gives max 15 minutes presentation / talk on the subject</p> <p>Moderator leads question and answer after each presentation (5 minutes)</p>	IOTIC-BMKG team

	<ul style="list-style-type: none"> RESP-4: Redundant and reliable means timely distribute 24-hour official alerts to public in place (10') <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i> <p>Good Practices / examples of emergency response preparedness</p> <ul style="list-style-type: none"> Warning Dissemination Sirine for Evacuation (Sirine Tanda Evakuasi – SIRITA) (10') <i>Setyoajie Prayodhie, Head of BMKG Station Yogyakarta</i> Lessons Learnt from Kuta Mandalika, Mosque as Warning Dissemination and Evacuation Call. (10') <i>Eko Prodjoko, University of Mataram</i> 		
09:20 – 09:30 17:20 – 17:30	Summary of Day 3 and Agenda for Day 4 <i>Ardito M. Kodijat, UNESCO-IOC IOTIC</i>	Onsite and Online	IOTIC-BMKG Team
Activity			
09:30 – 11:00 17:30 – 19:30 (90 minutes)	Tsunami Ready Boardgame Playing Session for Interested Onsite Participants	Boardgames setup for after dinner engagement and entertainment	IOTIC-BMKG Team
End of Day 3			

Day 4 – Friday, 25 November 2022			
Time	Agenda	Activity	Support
Session 10a: Site Visit Tsunami Ready Community			
12:00 – 02:00 08:00 – 10:00	Tanjung Bena Tsunami Ready Community <ul style="list-style-type: none"> FPRB EOC School drill and evacuation to designated hotel 	Onsite Participants No agenda for Online Participants	IOTIC-BMKG team
Session 10b: Site Visit Disaster Management Office / Tsunami Warning Centre			
03:00 – 04:00 11:00 – 12:00	Bali Province Disaster Management Office	Onsite Participants No agenda for Online Participants	IOTIC-BMKG team
04:30 – 06:30 12:30 – 14:30	Break and Friday Prayer Lunch Break for Onsite Participants		
Special Session 11: Inundation & Evacuation Mapping in the North-West Indian Ocean.			
06:30 – 09:30 14:30 – 17:30	Development of a unified approach and method for tsunami modelling and inundation mapping for the NWIO region; Development of national policies, standards and approaches for tsunami evacuation planning in participating countries; and NWIO perspective with regards signage, exercises, etc.	For UNESCAP Project onsite and online participants, others welcome to join	IOTIC-BMKG team
End of Day 4			

Day 5 – Saturday, 26 November 2022			
Time (UTC+7)	Agenda	Activity	Support
~ 04:00 ~ 12:00	Free Time		
04:00 – 05:00 12:00 – 13:00	Break Lunch Break for Onsite Participants		
Inauguration of Recognized Tsunami Ready Community			

05:30 – 06:15 13:30 – 14:15 (45 minutes)	Presentation of Certificates to Indian Ocean UNESCO-IOC Recognized Tsunami Ready Community	Name of community to be announced by UNESCO-IOC Tsunami Unit	IOTIC-BMKG team
Session 12: Panel and Open discussion			
06:15 – 07:15 14:15 – 15:15 (60 minutes)	National plans to achieve 100% at-risk communities prepared and resilient – 1 st session Moderator: <i>Rick Bailey, Head of UNESCO-IOC ICG/IOTWMS Secretariat</i> Country presentations by National Tsunami Ready Focal Points present	Onsite and online participants	IOTIC-BMKG team
07:15 – 07:45 15:15 – 15:45	Break		
07:45 – 08:00 15:45 – 16:00 (10 minutes)	Tsunami Ready Video 12	Play two selected Tsunami Ready videos onsite and online	IOTIC-BMKG team
08:00 – 09:00 16:00 – 17:00 (60 minutes)	National plans to achieve 100% at-risk communities prepared and resilient – 2 nd session Moderator: <i>Ardito M Kodijat, UNESCO-IOC IOTIC</i> Country presentations by National Tsunami Ready Focal Points present	Onsite and online participants	IOTIC-BMKG team
Session 13: Summary and Closing Session			
09:00 – 09:30 17:00 – 17:30 (30 minutes)	Closing Remarks UNESCO-IOC <ul style="list-style-type: none"> • <i>Mohamed Djelid - Director and Representatives UNESCO Jakarta Office</i> BMKG <ul style="list-style-type: none"> • <i>Professor Dwikorita Karnawati, Head of Indonesian Meteorology, Climatology, and Geophysical Agency (TBC)</i> 	Play two selected Tsunami Ready videos onsite and online Onsite and online	MC
End of Day 5			