



CONCEPT NOTE

2nd UNESCO-IOC Global Tsunami Symposium

“Two Decades After 2004 Indian Ocean Tsunami: Reflection and the Way Forward”

Banda Aceh, 11 - 14 November 2024

Organised and hosted by:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS OF THE
REPUBLIC OF INDONESIA (BMKG)

UNESCO INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (UNESCO-IOC)
INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (IUGG) - JOINT TSUNAMI COMMISSION (JTC)

Background

The Indian Ocean Tsunami on 26th December 2004, which is also known as the Aceh Tsunami, resulted in the loss of 228,000 lives and the displacement of over 1.6 million people around the Indian Ocean, with estimated economic losses of USD\$10 billion. At that time, while a tsunami warning existed for the Pacific Ocean, no tsunami warning system existed for the Indian Ocean and the knowledge of tsunami risk was low. This catastrophe became a wakeup for the establishment of a regional tsunami warning system for the Indian Ocean, as well as in other ocean basins in the world threatened by tsunami hazards with no existing tsunami warning system.

The Intergovernmental Oceanographic Commission of UNESCO (UNESCO-IOC) received a mandate in 2005 from the United Nations General Assembly (UNGA) to coordinate the establishment of a global tsunami warning and mitigation system. This followed several international and regional meetings including the World Conference on Disaster Risk Reduction (Kobe, Japan, 18 – 22 January 2005), the Phuket Ministerial Meeting on Regional Cooperation on Tsunami Early Warning Arrangements (Phuket, Thailand, 28 – 29 January 2005), 1st International Coordination Meeting for the Development of a Tsunami Warning and Mitigation System in the Indian Ocean within a Global Framework (Paris, France, 3 – 8 March 2005), and 2nd International Coordination Meeting for the Development of a Tsunami Warning and Mitigation System in the Indian Ocean (Grand Baie, Mauritius, 14 – 16 April 2005). In June 2005, additional regional Tsunami Warning and Mitigation Systems were established

under the coordination of UNESCO-IOC, including the Indian Ocean Tsunami Warning and Mitigation System (IOTWMS), the North-Eastern Atlantic Mediterranean connected seas Tsunami Warning and Mitigation System (NEAMTWS), and the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (CARIBE-EWS), to follow up the results of the high-level meetings, as well as respond to the tragic disaster. These additions added to the Pacific Tsunami Warning and Mitigation System (PTWS), which had been established in 1965 after the Magnitude 9.5 Chile earthquake and tsunami that killed persons locally and across the Pacific. These systems demonstrated the attentiveness and commitment of the global community to seriously undertake tsunami disaster management reform.

In order to provide tsunami early warning in the Indian Ocean, the IOTWMS was built upon the foundation of the four Pillars of the People Centered Early Warning System, which are: (1) Risk Knowledge; (2) Monitoring and Warning; (3) Communication and Dissemination; and (4) Response Capability and Preparedness. The UNESCO-IOC Intergovernmental Coordination Group (ICG) for the IOTWMS representing 25 active Member States from the Indian Ocean region gave mandates to Australia (Joint Australian Tsunami Warning Centre - JATWC), India (Indian National Centre for Ocean Information Services - INCOIS), and Indonesia (Indonesia Tsunami Early Warning System - InaTEWS) to be the region's Tsunami Service Providers (TSPs), which issue tsunami threat information to all countries around the Indian Ocean. An assessment of the status of IOTWMS reported to the international conference to commemorate the 10th anniversary of the Indian Ocean Tsunami (Jakarta, Indonesia, 24 – 25 November 2014) showed that the Indian Ocean was much safer against the threat of tsunamis than it was in 2004. However, because of the local nature of the hazard, it is very important for coastal communities to always be prepared and ready to respond.

Specifically for Indonesia, the occurrence of the 2004 Indian Ocean Tsunami became the steppingstone for disaster management reform. With the support of the international community, various efforts have been undertaken to develop the Indonesia InaTEWS operated by the Agency for Meteorology, Climatology, and Geophysics of the Republic of Indonesia (BMKG).

After years of implementation, the global tsunami warning system has been tested by tsunamis with various complexities and challenges, including the 2011 East Japan Tsunami-Earthquake, the 2018 Palu and Krakatau Non-Seismic Tsunamis, and the 2022 Hunga-Tonga Ha'apai volcano-generated tsunami.

To reflect upon the achievements of the systems and the lessons learnt from each tsunami event to improve the capacity of the warning and mitigation system, UNESCO-IOC and BMKG, along with IUGG, have cooperated to plan the UNESCO-IOC Global Tsunami Symposium on “Two Decades After 2004 Indian Ocean Tsunami: Reflection and the Way Forward”. The symposium will bring together tsunami warning specialists, disaster managers, scientists, engineers, disaster risk reduction practitioners, and policymakers from around the world to discuss the state-of-the-art warning systems and the latest advances in tsunami science and engineering to help globally enhance tsunami disaster preparedness and mitigation. The symposium is also intended to serve as a global platform to review the contributions of each regional tsunami warning and mitigation system towards achieving the objectives of the UN Ocean Decade Tsunami Programme (ODTP) under the “Safe Ocean” outcome of the UN Decade of Ocean Science for Sustainable Development by 2030: 1) More accurate and timely tsunami warnings; 2) 100% at-risk communities prepared and resilient to the tsunami threat. This will be achieved through activities such as the implementation of the UNESCO-IOC Tsunami Ready Recognition Programme (TRRP). During the symposium, several coastal communities will be recognized and inaugurated as Tsunami Ready Communities.

Objectives

The aims of the International Symposium are to:

1. Commemorate two decades after the 2004 Indian Ocean Tsunami;
2. Reflect what has been achieved by each regional tsunami warning and mitigation system over the last two decades;
3. Identify gaps, challenges and priorities for tsunami early warning and mitigation;
4. Identify synergies with the global challenges and coherence with global commitments;
5. Share learnings and applications between countries in the different ocean regions; and
6. Gather the global tsunami warning and mitigation community.

Scope

The overall event consists of:

1. Pre-Event (8-10 November 2024): International Scientific Workshop AIWEST and PIT IABI hosted by Indonesian Disaster Expert Association (IABI) in collaboration with USK-TDRMC
2. Main Event (11-14 November 2024): 2nd UNESCO-IOC Global Tsunami Symposium.
3. Special Event: Posters Sessions, Exhibitions, and Ignite Stages.

Timetable 2nd UNESCO-IOC Global Tsunami Symposium and associated events

<p>PRE-EVENT</p> <p>International Workshop</p> <p>Venue: USK Banda Aceh</p> <p>(8-10 November 2024)</p>	<p>Main Event</p> <p>2nd UNESCO IOC Global Tsunami Symposium</p> <p>Venue: Banda Aceh Convention Hall (Day 1-2) and Hermes Palace Hotel (Day 4)</p> <p>(11 – 14 Nov'24)</p>				<p>POST-EVENT</p> <p>ICG IOTWMS XIV Session</p> <p>Venue: Jakarta</p>
<p>Hosted by IABI in collaboration with TDRMC</p>	<p>Day 1 (11 Nov 2024)</p>	<p>Day (12 Nov 2024)</p>	<p>Day 3 (13 Nov 2024)</p>	<p>Day 4 (14 Nov 2024)</p>	<p>Hosted by BMKG</p>
	<p>Opening Ceremony</p>	<p>Session 3: Tsunami Hazard and Risk Assessment</p>	<p><i>All Day Excursion</i></p>	<p>Session 7: Contributions of Tsunami Early Warning Systems (TEWS) to global initiatives</p>	
		<p>Session 4: Tsunami detection, warning, dissemination, and response</p>		<p>Session 8: Wrap up / Synthesis /Way Forward</p>	
	<p><i>Lunch Break (12:00 – 14:00)</i></p>				
	<p>Session 1: Review of the Tsunami Warning and Mitigation Systems over the past 2 decades</p>	<p>Session 5: Achieving 100% communities at risk to be prepared for and resilient to tsunami by 2030</p>		<p>Closing Ceremony</p>	
	<p>Session 2: Tsunamis generated by non-seismic and complex sources</p>	<p>Session 6: Other critical issues for building community resilience</p>			
	<p>Special Events:</p> <ul style="list-style-type: none"> • Poster Sessions • Exhibitions and Ignite Stages • Tsunami United • Drawing Competition • Open access edited UNESCO-IOC book 				

Steering Committee

To guide the Programme Organising Committee (POC) on the substance of symposium: the overall themes, topics, programme, expertise, and speakers, etc.

1. **Government of Indonesia:**
 - Head of BMKG: Prof. Dwikorita Karnawati (Chair of UNESCO-IOC ICG/IOTWMS)
 - Head of BNPB: Letjen Suharyanto
 - Representative of Ministry of Foreign Affairs: (TBD)
2. **UNESCO Jakarta Office:**
Director and Representative: Ms. Maki Katsuno-Hayashikawa
3. **UNESCO-Intergovernmental Oceanographic Commission (IOC):**
Tsunami Resilience Section: Mr. Bernardo Aliaga
4. **UNESCO-IOC Secretariat for the Intergovernmental Coordination Group for Indian Ocean Tsunami Warning & Mitigation System (ICG IOTWMS):**
Head of Office: Mr. Rick Bailey
5. **UN Ocean Decade Tsunami Programme (ODTP):**
Chair of Scientific Committee: Dr. Srinivasa Kumar Tummala
6. **UN Office for Disaster Risk Reduction (UDRR):**
TBD
7. **International Union of Geodesy and Geophysics Joint tsunami Commission (IUGG-JTC):**
Chair of Joint Tsunami Commission: Prof. Tanioka
8. **University of Huddersfield Global Disaster Resilience Centre (GDRC):**
 - Prof. Dilanthi Amaratunga
 - Prof. Richard Haig
9. **Chair, Programme Organising Committee (POC):**
Dr. Harkunti P. Rahayu

Programme Organising Committee

To coordinate and organise the 2nd Global Tsunami Symposium, including the detailed planning of the programme and agenda

Chair: Dr Harkunti Rahayu (UNESCO-IOC TOWS WG-TTDMP)

Vice Chair: Mr Yuji Nishimae (UNESCO-IOC TOWS WG-TTWO)

Vice Chair: Ms Suci Dewi Anugrah (BMKG and UNESCO-IOC ICG/IOTWMS WG3)

Members:

- Mr. Hanif Andi (Deputy of Geophysics of BMKG)
- Dr. Srinivasa Kumar Tummala (Chair UNESCO-IOC TOWS-WG and Chair UN ODTP Scientific Committee)
- Dr. Laura Kong (ITIC-International Tsunami Information Centre, IUGG JTC representative)

- Dr. Denis Chang-Seng (NEAMTIC-Northeast Atlantic and the Mediterranean Seas Tsunami Information Centre)
- Ms. Alison Brome (CTIC-Caribbean Tsunami Information Centre)
- Mr. Ardito M Kodijat (UNESCO-IOC IOTIC-Indian Ocean Tsunami Information Centre)
- Mr. Rick Bailey (Head of Secretariat for UNESCO-IOC ICG/IOTWMS)
- Ms. Nora Gale (Secretariat of UNESCO-IOC ICG/IOTWMS)
- IUGG representative

National Committee

To coordinate, support, and manage the technical arrangements and local organisation of the symposium nationally and in Banda Aceh (in collaboration with Programme Organising Committee - POC)

- Advisor: BMKG Deputy of Geophysics
- Head of Technical Committee: BMKG Director of Earthquake and Tsunami
- Members:
 - Mitigation Division and other Division of Center for Earthquake and Tsunami BMKG
 - International Cooperation Division of BMKG
 - Public Affairs Division BMKG
 - Communication and Networks Division of BMKG
 - Aceh Geophysical Station BMKG
 - Regional Centre Medan BMKG
 - BNPB / National Disaster Management Office (NDMO)
 - Indonesian Ministry of Foreign Affairs
 - BPBA Provinsi Nanggroe Aceh Darussalam / Local Disaster Management Office (LDMO)
 - BPBA Kota Banda Aceh (LDMO)
 - IABI
 - USK TDRMC

Main Event Sessions

Day 1 and 2: Sessions 1 to 6

- Invited speakers and panel members for the sessions will be nominated/selected by the Programme Organising Committee (POC), i.e., tsunami warning specialists, disaster managers, global and local prominent academia, engineers, disaster risk reduction practitioners, intergovernmental representatives, policymakers, and public figures.
- Each session will be chaired by one or two Chairs, supported by one Rapporteur and one Timekeeper.

- Session Chairs and Rapporteurs will be nominated by the POC.
- Venue is Banda Aceh Convention Hall (Gedung BMA)
- Target of about 1,000 participants.

Day 3: Excursion

- Museum of Tsunami Aceh
- Affected area of the 2004 Tsunami:
- Tsunami Ready Village: Inauguration of Tsunami Ready Community - Recognition ceremony and Tsunami Drill.

Day 4: Sessions 7 and 8

- Invited speakers and panel members for the sessions will be nominated/selected by POC.
- Each session will be chaired by one or two Chairs, supported by one Rapporteur and one Timekeeper.
- Session Chairs and Rapporteurs will be nominated by POC.
- Target of about 200 participants
- Venue Hermes Hotel

Pre-Event

The pre-event during 8-10 November 2024 will be hosted by the Indonesian Disaster Expert Association (IABI) in collaboration with Syiah Kuala University – Tsunami and Disaster Mitigation Research Center (USK - TDRMC).

The pre-event aims to:

- Commemorate 2 decades after 2004 Tsunami
- Conduct 8th Annual Scientific Meeting of the Indonesian Disaster Experts Association (PIT-IABI) in collaboration with 16th Aceh International Workshop and expo on Sustainable Tsunami Disaster Recovery (AIWEST-DR)
- Accommodate International and National Public to present their works/thoughts before participating in the UNESCO-IOC Global Symposium

The 8th Annual Scientific Meeting of the Indonesian Disaster Experts Association (PIT-IABI) during 8-10 November 2024 consists of Roundtable Discussions with Indonesian prominent figures in disaster risk reduction during and post 2004 tsunami, talk shows and lecture series, link: <https://www.iabi-indonesia.org/>

16th Aceh International Workshop and Expo on Sustainable Tsunami Disaster Recovery (AIWEST-DR) during 8-9 November 2024 consists of plenary and parallel scientific paper presentations covering several topics, link: <https://aiwest-dr.usk.ac.id>

Millennial agenda such as Exhibition for SMEs (8-12 November), Sunday Fun Bike/Walk (10 November), drawing competition for Elementary Schools in Banda Aceh (8 November), *Tik Tok*, and Friday to Sunday Tsunami Tracing Walking Tour (8-10 November) can be found using the link: <https://www.iabi-indonesia.org/>

Special Events during the Main Event

1. *Rumah Resiliensi* consists of Exhibitions, Ignites Stage, Posters and Booth Displays in collaboration with Government of Banda Aceh, IABI, USK, IGI, TICs
The concept of *Rumah Resiliensi* (Resilient House) is “*Small expo, from us to us*”, *Rumah Resiliensi* aims to provide a platform for Tsunami open to the public to participate in the Global Tsunami Symposium and DRR players to show products, results, and innovations on Tsunami Mitigation, Tsunami Preparedness, Tsunami Awareness, Tsunami Early Warning, etc. Youth and young professionals (i.e. early career researchers and scientists) can showcase their ideas, lessons learnt as well as their activities on Tsunami Risk Reduction. *Rumah Resiliensi* also accommodates Donors and Sponsors to participate and showcase their engagement. Registration is via the following link: <https://20gts.pages.dev/>
2. The Ignite stage complements the *Rumah Resiliensi*, to provide invited institutions/ organizations, experts, celebrities, public figures, tsunami survivors to share their stories, best-practices, as well as lesson-learnt that is in line with community resilience building. Ignite Stage is scheduled during the Coffee Breaks, Lunch Breaks and 1 hour after the end of day of the main event activities. Registration: <https://20gts.pages.dev/>
3. Poster Session: open to the public to participate in the Global Tsunami Symposium to showcase their research findings, activities and innovation on Tsunami Mitigation, Tsunami Preparedness, Tsunami Awareness, Tsunami Early Warning. Registration: <https://20gts.pages.dev/>
4. Tsunami United: Indian Ocean Youth Tsunami Conversation and Campaign Initiatives (IOYTCCI) organised by the UNESCO-IOC Indian Ocean Tsunami Information Centre (IOTIC).
5. Open access edited UNESCO-IOC book “Two Decades After 2004 Indian Ocean Tsunami: Reflection and the Way Forward”, drawing upon inputs from each session.

Expected Participants

All-inclusive, relevant participants such as tsunami warning specialists, disaster managers, scientists, engineers, disaster risk reduction practitioners, intergovernmental representatives, and policymakers under categories below are invited:

1. United Nations (UN) Agencies including UNESCO, UNDRR, WMO
2. National and Local Government Representatives from the at-risk tsunami countries, including SIDs and LCDs
3. Member States Representatives of ICG/IOTWMS, ICG/PTWS, ICG/NEAMTWS, and ICG/CARIBE-EWS
4. International/ National Research and Operational Institutions, such as International Tsunami Survey Teams (ITST), International Research Institute of Disaster Science (IRIDeS), USGS, NOAA
5. International/National Professional Associations, such as International Union of Geodesy and Geophysics (IUGG) Tsunami Commission, Indonesian Disaster Expert Association (IABI)
6. Academia, Disaster Risk Reduction Practitioners, Public Figures, Local and Private Sector communities
7. Non-Government Organisations (NGOs), Community Based Organisations (CBOs), and Faith Based Organisations (FBOs)

External Support

Additional support from countries or institutions to contribute to the success of the symposium is welcomed including:

1. Financial Support for Symposium Organisation and Logistics
Financial contributions will help enhance the symposium experience for all attendees and further promote collaboration in the field of Tsunami Disaster Management. Your financial support will be used to improve the facilities, provide additional resources to support speakers and participants, and support the overall logistics of the events.
2. Grants for Participants
Alternatively, your support can be directed towards providing travel grants for speakers or participants from any countries to attend. These grants will cover travel expenses and accommodation, ensuring that invited international speakers and participants can attend and ensure a diverse range of voices and perspectives are represented at the symposium.

3. Support for Symposium Follow-Up Action

Financial support may be given for conducting capacity development and strengthening of the community-based early warning infrastructure prioritized for SIDs and LDCs.

If your country, institution or organisation is interested in contributing as a donor for the **2nd UNESCO-IOC Global Tsunami Symposium 2024**, please contact our team to discuss the support options. We are open to discussing ways in which your contribution can be recognised and how we can tailor the financial support to meet your needs and expectations. Please contact the National Committee of the 2nd UNESCO-IOC Global Tsunami Symposium 2024 at: committee.gts@bmkg.go.id

Provisional Programme of the 2nd UNESCO-IOC Global Tsunami Symposium

Time	Agenda
	Day 1, 11th November 2024
08.30 – 09.00	Registration
09.00– 12.00	<p style="text-align: center;"><u>OPENING CEREMONY</u></p> <ol style="list-style-type: none"> 1. Indonesian National Anthem 2. Prayer (Doa) 3. Moment of Silence (Video Smong and Eyewitness) 4. Opening Performance (Saman Dance) 5. Report from Chair, Programme Organising Committee (POC) 6. Welcoming Remarks <ol style="list-style-type: none"> a. Governor of Nangroe Aceh Darussalam Province b. Director and representative of UNESCO, Jakarta Office c. Assistant Director General of UNESCO and Executive Secretary Intergovernmental Oceanographic Commission (IOC) d. The UN Resident Coordinator for Indonesia e. Special Representative of United Nations Office for Disaster Risk Reduction (UNDRR) 7. Opening Remarks - President, Government of Indonesia 8. Recognition of New Tsunami Ready Community 9. Keynote Speeches: <p style="margin-left: 40px;">Keynote Speech 1: Dr. Yutaka Michida (Chairperson of UNESCO-IOC) Keynote Speech 2: Let Jen Dr. Suharjanto (Head of BNPB) Keynote Speech 3: Prof. Dwikorita Karnawati (Head of BMKG)</p>
12.00 – 12.30	<i>Group Photo session Press conference*</i>
13.30 – 15.00	<p style="text-align: center;"><u>SESSION 1</u></p> <ol style="list-style-type: none"> 1. Review of the Tsunami Warning and Mitigation Systems over past 2 decades Session Chairs: <i>Dr. Idwan Suhardi and Dr. Jorn Lauterjung</i> Rapporteur: <i>Ms. Nora Gale</i> <ol style="list-style-type: none"> a. Learning from Mega Tsunamis: 2004 Indian Ocean Tsunami and 2011 Tohoku Tsunami <i>Prof. Jan Sopaheluwakan and Prof. Fumihiko Imamura</i> b. Panel on history of IOTWMS <i>Dr. Harsh Gupta, Dr. Kusmayanto Kadiman, Mr. Rick Bailey, Dr. Yuichi Ono, Dr. Charles McCreery</i> c. Gaps, challenges, and priorities in tsunami risk, detection, warning and dissemination, awareness, and preparedness: <i>Prof. Dwikorita Karnawati (IOTWMS), Mr. Yuji Nishimae (PTWS), Dr. Gerard Metayer (CARIBE-EWS), Dr. Alessandro Amato (NEAMTWS)</i>

15.30 - 1700	<p style="text-align: center;"><u>SESSION 2</u></p> <p>2. Tsunamis generated by non-seismic and complex sources Session Chair: <i>Mr. Bernardo Aliaga</i> Rapporteur: <i>Dr. Denis Chang Seng</i></p> <p>a. Progress, gaps, and emerging challenges of detecting and warning for tsunamis generated by non-seismic sources: <i>Dr. Francois Schindele/Dr. Raphael Paris, Dr. Fabricio Romano, and Mr. Januar Arifin</i></p> <p>b. Evaluating non-seismic generated tsunami modelling: <i>Dr. Aditya R. Gusman and Prof. Yuichiro Tanioka</i></p> <p>c. Developing awareness and preparedness of communities for tsunamis generated by non-seismic sources: <i>Dr. Laura Kong and Dr. Semeidi Husrin</i></p>
	<p>Day 2, 12th November 2024</p>
09.00 – 10.30	<p style="text-align: center;"><u>SESSION 3</u></p> <p>3. Tsunami Hazard and Risk Assessment Session Chairs: <i>Prof Irwan Meilano and Prof Masyhur Irsyam</i> Rapporteur: <i>Mr Rick Balley</i></p> <p>a. Evaluating seismic and non-seismic generated tsunami hazards 1. <i>Dr. Finn Lovholt</i>, 2. <i>Dr. Shunichi Koshimura</i>, 3. <i>Dr Stefano Lorito</i>, 4. <i>Dr. Silvia Chacón Barrantes</i>, 5. <i>Prof. Syamsidik Syamsidik</i>, 6. <i>Dr. Mohammad Mokhtari</i>, 7. <i>Dr. Hamzah Latief</i></p> <p>b. Identifying communities at-risk 1. <i>Ms. Sunanda Manneela (IOTWMS)</i>, 2. <i>Dr. Matthieu Peroche (CARIBE-EWS)</i>, 3. <i>Mr. 'Ofa Fa' Anunu (PTWS SIDs)</i>, 4. <i>Ignacio Aguirre-Ayerbe (NEAMTWS)</i></p>
11:00 – 12.30	<p style="text-align: center;"><u>SESSION 4</u></p> <p>4. Tsunami Detection, Warning, Dissemination, and Response Session Chairs: <i>Prof. Nanag Puspito and Dr. Charles McCreery</i> Rapporteur: <i>Dr Ocal Necmioglu</i></p> <p>a. Testimonies of lessons to be learnt from past significant Tsunamis 1. <i>Dr Rahmat Triyono (IOTWMS 2004 and 2018 events)</i>, 2. <i>Dr. Osamu Kamigaichi (PTWS 2011 event)</i>, 3. <i>Dr. Stuart Weinstein (PTWC 2004 event)</i>, 4. <i>Dr. Nikos Kalligeris (NEAMTWS 2020 event)</i></p> <p>b. How do we enhance timeliness and accuracy of Tsunami Warnings? 1. <i>Dr. Srinivasa Kumar Tummala</i>, 2. <i>Mr Shingo Ushida</i>, 3. <i>Dr. Dakui Wang</i>, 4. <i>Mr. David Coetzee</i></p> <p>c. How do we ensure Tsunami Warnings Reach all in the community? 1. <i>Mr. Bernado Aliaga</i>, 2. <i>Mr. Harald Spahn</i>, 3. <i>Dr. Harkunti P. Rahayu</i>, 4. <i>Dr Renato Solidum</i></p>

13.30 – 15.00	<p style="text-align: center;"><u>SESSION 5</u></p> <p>5. Achieving 100% Communities at Risk to be Prepared for and Resilient to tsunami by 2030 Session Chairs: <i>Prof Faisal Fathani and Dr Denis Chang Seng</i> Rapporteur: <i>Ms Alison Brome</i></p> <p>a. UNESCO-IOC Tsunami Ready Recognition Programme <i>Mr Bernardo Aliaga</i></p> <p>b. UNESCO-IOC Tsunami Information Centres (TICs) and progress of UNESCO-IOC Tsunami Ready Recognition Programme 1. <i>Ms. Suci Anugrah (IOTWMS)</i>, 2. <i>Ms. Christa von Hillebrandt-Andrade (CARIBE-EWS)</i>, 3. <i>Ms. Elena Daskalaki (NEAMTWS)</i>, 4. <i>Dr. Laura Kong (PTWS)</i></p> <p>c. Synergizing Tsunami Ready with national programmes for tsunami preparedness 1. <i>Dr. Rustian</i>, 2. <i>Ms. Ashleigh Fromont</i>, 3. <i>Dr Weniza</i></p> <p>d. Tsunami Ready Coalition <i>Dr. Laura Kong</i></p> <p>e. World Tsunami Awareness Day (WTAD) <i>Ms. Rosalind Cook</i></p> <p>f. WTAD 2024 Tsunami United Initiatives <i>Mr. Ardito M Kodijat</i></p>
15:30 – 17:00	<p style="text-align: center;"><u>SESSION 6</u></p> <p>6. Other Critical Issues for building community resilience Session Chairs: <i>Mr. Ardito M. Kodijat and Dr. Ocal Necmioglu</i> Rapporteur: <i>Dr. Laura Kong</i></p> <p>a. Social and Human perspectives in Tsunami Science and Tsunami Early Warning Systems 1. <i>Prof. Gen. Syamsul Maarief</i>, 2. <i>Prof. Denise Conan</i>, 3. <i>Irina Rafliana</i>, 4. <i>Dr Fatemeh Jalayer</i>, 5. <i>Dr. Oktarina</i></p> <p>b. Critical infrastructure ready for tsunamis: design, implementation, and maintenance 1. <i>Dr. Harkunti P. Rahayu</i>, 2. <i>Mr. Ruly</i>, 3. <i>Prof Ian Robertson</i>, 4. <i>Prof Masyhur Irsyam</i>, 5. <i>Dr Hiroyasu Kawai</i></p> <p>c. Cascading and compound hazards, systemic risk <i>Prof. Louise K. Comfort and Prof. Richard Haigh</i></p>
	<p>Day 3, 13th November 2024</p>
	<p style="text-align: center;"><u>ALL DAY EXCURSION</u></p> <p>1. Museum Tsunami Aceh 2. Affected area: Lampuu 3. Tsunami Ready Village: Inauguration Tsunami Ready and Tsunami Drill</p>

	Day 4, 14th November 2024
09.00 – 10.30	<p style="text-align: center;"><u>SESSION 7</u></p> <p>7. Contributions of Tsunami Early Warning Systems (TEWS) to global initiatives Session Chairs: Mr. Bernardo Aliaga and Dr. Andi Eka Sakya Rapporteur: Ms. <i>Nora Gale</i></p> <p>a. MHEWS & EW4ALL <i>Dr. Johan Stander (WMO) and Ms. Anna Kruip (UNDRR)</i></p> <p>b. UN Ocean Decade <i>Dr. Srinivasa K. Tummala</i></p> <p>d. SDGs & COP28 & SFDRR <i>Dr. Marco Toscano Rivalta (UNDRR)</i></p> <p>c. MCR2030 (Mainstreaming DRR into Urban Planning) <i>Dr. Denis Chang Seng and Prof Dilanthi Amaratunga</i></p>
11.00 – 12.30	<p style="text-align: center;"><u>SESSION 8</u></p> <p>8. Wrap up/Synthesis/Way Forward Session Chair: Dr. Srinivasa K. Tummala Rapporteur: Ms. Christa von Hillebrandt-Andrade</p> <p>a. Round Table Discussion on Way Forward <i>Chairs and TIC representatives from each ICG, IUGG expert, UNDRR representative, ODTP Science Committee representative</i></p> <p>b. Presentation contributions to an outcome document, drawing upon achievements, gaps, challenges, and priorities from each session, including pre-event activities <i>7 Session Chairs and Programme Organising Committee Co-chairs</i></p>
13.30 – 15.00	<p style="text-align: center;"><u>CLOSING CEREMONY</u></p> <ol style="list-style-type: none"> 1. Indigenous Story-Teller – Pak Ngah 2. Hand-over prize to the Indian Ocean Youth Tsunami Conversation and Campaign (IOYTCC) Winners (4 Indian Ocean competition regions) 3. Winner announcement for best poster presentation 4. Winner announcement for school children art/drawing competition 5. Closing Remark: <ol style="list-style-type: none"> a. Representative of the Local Government (Mayor of Banda Aceh) b. Representative of UNESCO-IOC (Dr. Yutaka Michida) 6. Banda Aceh Statement (in one powerful sentence) presented by Chair of Steering Committee (Prof Dwikorita Karnawati) 7. Official Closing: <i>Head of BMKG (Prof Dwikorita Karnawati)</i> 8. Press Conference

INFORMATION NOTES

Date and Time

The 2nd UNESCO-IOC Global Tsunami Symposium will be held over 4 days

Date: 11– 14 November 2024

Time: 08:00 – 18:00 Western Indonesia Time (UTC+07.00)

Venue

Day 1 and Day 2 event will be held in Banda Aceh Convention Hall, Jl. T. Panglima Nyak Makam, Kota Baru, Kec. Kuta Alam, Kota Banda Aceh, Aceh

Location: <https://maps.app.goo.gl/BE7v5oyhjaHNSGc97>

Day 4 will be held in the Hermes Palace by Bencoolen Hotel, Banda Aceh.

Address: Jalan Professor Ali Hasyimi, Aceh, 23127

Location: <https://goo.gl/maps/XknqEqdWAAPn1Gus9>

Registration

Interested participants can register at the event website:

<https://20gts.pages.dev/>

Website

Symposium materials will be made available online:

<https://20gts.pages.dev/>

<https://oceanexpert.org/event/4310>

Accommodation Arrangements

All invited speakers/presenters will be provided accommodation in Hermes Palace Hotel or Kyriad Hotel, Banda Aceh. While BMKG strive to support accommodation for most of the speakers, self-funding is much welcome to allow speakers from Least Developed and Low-Income Countries and Small Islands Development States to attend. For speakers/presenters supported by BMKG accommodation fees will be paid directly by the local organisers to the hotel. However, a deposit charge might be required as a guarantee to the hotel during check-in. The deposits will be refunded after check-out from the hotel.

Self-funded participants may choose accommodation from the attached list (please see attachment). The reservation and payment should be made directly to the hotel.

Local Transport

Participants should make their own arrangement for transport from the airport to the hotel and back.

Taxi counter is located outside of the arrival gate. The approximate fare between Airport to Hotel may vary from IDR 150.000 - 250.000 (USD 10-17) depending on the distance and type of vehicle chosen.

Meals

Lunch and Coffee Breaks during the Symposium will be provided for all participants and presenters at the venue. Daily buffet breakfasts will be provided by the hotel as part of the accommodation package. Dinners are not provided by the organising committee.

Further Information

For further information please contact the National Committee of the 2nd UNESCO-IOC Global Tsunami Symposium 2024 at: committee.gts@bmkgo.go.id

LIST OF HOTEL NEAR VENUE (MEUSEURAYA ACEH HALL)

NO	HOTEL NAME	PRICE	ADDRESS	DISTANCE TO VENUE	Google Map Link
1	Hermes Palace Hotel (3 Star)	1. Room Deluxe : 2.829.480 2. Room Bisnis : 4.021.350 3. Room Suite Junior : 6.419.625 4. Room Suite Eksekutif : 9.568.875	St. T. Panglima Nyak Makam Banda Aceh	Around 4 Minutes (1.6 km)	https://maps.app.goo.gl/fA986fL22jitExBG9
2	Mekkah Hotel (3 Star)	1. Room Standard : 460.000 2. Room Deluks : 600.000 3. Room Family : 809.600	St. Tgk Daud Beureueh, Bandar Baru, Subdistrict Kuta Alam, Banda Aceh City	Around 5 Minutes (1.6 km)	https://maps.app.goo.gl/FuYSnuJ5QioibsUS9
3	Madinah Hotel (3 Star)	1. Room Standard Twin : 325.000 2. Room Deluks Double : 428.000 3. Room Keluarga Double : 652.000 4. Room Suite Double : 860.000	St. T. Daud Beureueh, Kuta Alam, Bandar Baru, Subdistrict Kuta Alam, Banda Aceh City, Aceh	Around 5 Minutes (1.7 km)	https://maps.app.goo.gl/ngtCBspWe6TUmXfZ9
4	Al Hanifi Hotel (3 Star)	1. Room Superior : 450.000 2. Room Grand Delux : 530.000 3. Room Executive Suite : 970.000	St. Gabus No.38, Bandar Baru, Subdistrict Kuta Alam, Banda Aceh City	Around 6 Minutes (2.1 km)	https://maps.app.goo.gl/nskJHUtPLVuaVJqQ8
5	Kumala Hotel (3 Star)	1. Room Superior Double : 493.000 2. Room Double : 570.000 3. Room Suite Eksekutif Twin : 622.000	St. Prof. Ali Hasyimi No.9-10, Lamteh, Subdistrict Ulee Kareng, Banda Aceh City	Around 6 Minutes (2.4 km)	https://maps.app.goo.gl/bcmHFkpcknvUgFX9A
6	Parkside Alhambra Hotel (3 Star)	1. Room Superior: 610.000 2. Room Deluxe Queen/Twin : 720.000	St. Pante Pirak No.10, Simpang Lima, Subdistrict Kuta Alam, Banda Aceh City	Around 10 Minutes (2.9 km)	https://maps.app.goo.gl/khqT3wRr2xGE5k848

7	Hotel Kyriad Muraya (4 Star)	<ol style="list-style-type: none"> 1. Room Deluxe Double/Twin : 4.500.000 2. Room Superior Double/Twin : 4.950.000 3. Room Family Room : 5.040.000 4. Room Business Suite : 6.075.000 5. Room Honeymoon Suite : 6.754.500 6. Room President Suite : 17.100.000 7. Room President Suite 2 Bedrooms : 26.000.000 	St. Tengku Moh. Daud Beureuh, Laksana, Kuta Alam	Around 8 Minutes (3.1 km)	https://maps.app.goo.gl/RtLrD2qJgqLR6Gx38
8	Portola Arabia Hotel (3 Star)	<ol style="list-style-type: none"> 1. Room Superior : 485.000 2. Room Deluks : 659.000 3. Room Grand Deluxe : 770.000 4. Room Suite Junior : 930.000 5. Room Suite King : 2.270.000 	St. Khairil Anwar No.55, Peunayong, Subdistrict Kuta Alam, Banda Aceh City	Around 9 Minutes (3.3 km)	https://maps.app.goo.gl/xtmD3h7fgjowSXcc8
9	Ayani Banda Aceh Hotel (3 Star)	<ol style="list-style-type: none"> 1. Room Standard : 700.000 2. Room Superior : 800.000 3. Room Bisnis : 1.000.000 	St. Jend. Ahmad Yani No.20, Peunayong, Subdistrict Kuta Alam, Banda Aceh City	Around 15 Minutes (4.4 km)	https://maps.app.goo.gl/jaP9rBSpowNuoKA56
10	Plum Hotel (3 Star)	<ol style="list-style-type: none"> 1. Room Superior : 470.000 2. Room Deluks : 940.000 3. Room Hello Plum Prestige : 1.069.200 4. Room Happy Plum Family : 1.604.000 	Jalan Meutia No.19, Kp. Baru, Subdistrict Baiturrahman, Banda Aceh City	Around 11 Minutes (4.6 km)	https://maps.app.goo.gl/LosRLLuu8mp36ei77
11	Grand Nanggroe Hotel (3 Star)	<ol style="list-style-type: none"> 1. Room Deluks Twin : 642.000 2. Room Suite Deluks : 876.000 	St. T. Imum, Cot Mesjid, Subdistrict Lueng Bata, Banda Aceh City	Around 10 Minutes (5.4 km)	https://maps.app.goo.gl/sb16i2QLGda6Vm5b8
12	Amel Hotel (3 Star)	<ol style="list-style-type: none"> 1. Room Standard Double : 388.800 2. Room Standard King : 397.440 3. Room Superior Double : 469.800 4. Room Suite King : 625.000 5. Room Bisnis King : 750.000 	St. Sultan Iskandar Muda, Blang Oi, Subdistrict Meuraxa, Banda Aceh City	Around 15 Minutes (6.8 km)	https://maps.app.goo.gl/eF2miFcNrwGAZYza8

13	Seventeen Hotel (3 Star)	<ul style="list-style-type: none"> 1. Room Deluks Double : 370.000 2. Room Premier Double : 445.500 3. Room Twin : 630.000 	Seutui, Subdistrict Baiturrahman, Banda Aceh City	Around 14 Minutes (6.8 km)	https://maps.app.goo.gl/oRFVEkreQQSw8q2aA
14	Hip Hope Hotel (3 Star)	<ul style="list-style-type: none"> 1. Room Superior : 440.000 2. Room Deluks : 484.000 3. Room Suite Deluks : 540.000 4. Room Executive : 620.000 	St. Moh. Jam No.70, Kp. Baru, Subdistrict Baiturrahman, Banda Aceh City	Around 14 Minutes (6.9 km)	https://maps.app.goo.gl/syR6Xn2N2aaPBP7z7
15	Rasamala Hotel (3 Star)	<ul style="list-style-type: none"> 1. Room Deluks : 518.000 2. Room Superior : 648.000 3. Room Grand Deluks : 895.500 4. Room Signature : 1.009.500 5. Room Eksekutif Twin : 1.395.000 	St. Teuku Umar No.257, Geuceu Kayee Jato, Subdistrict Banda Raya, Banda Aceh City	Around 16 Minutes (7.9 km)	https://maps.app.goo.gl/4GexmzWf8eJdqRDp6
16	The Pade Hotel (3 Star)	<ul style="list-style-type: none"> 1. Room Grand Deluxe : 1.187.000 2. Room Deluxe : 1.100.00 3. Room Suite : 1.400.000 3. Room Double : 1.437.000 4. Room Suite King : 1.790.000 5. Room Suite Double : 1.925.000 	St. Soekarno - Hatta No.1, Daroy Kameu, Subdistrict Darul Imarah, District Aceh Besar	Around 20 Minutes (9.8 km)	https://maps.app.goo.gl/ozMNdUtLU3CivQQ59