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**Overview  
2024 Capacity Assessment of  
Tsunami Preparedness in  
ICG/IOTWMS  
Member States**

**By Rick Bailey  
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**Online Briefing  
UNESCO-IOC 2024 Survey of Capacity Assessment of  
Tsunami Preparedness in ICG/IOTWMS Member States  
22 May 2024**

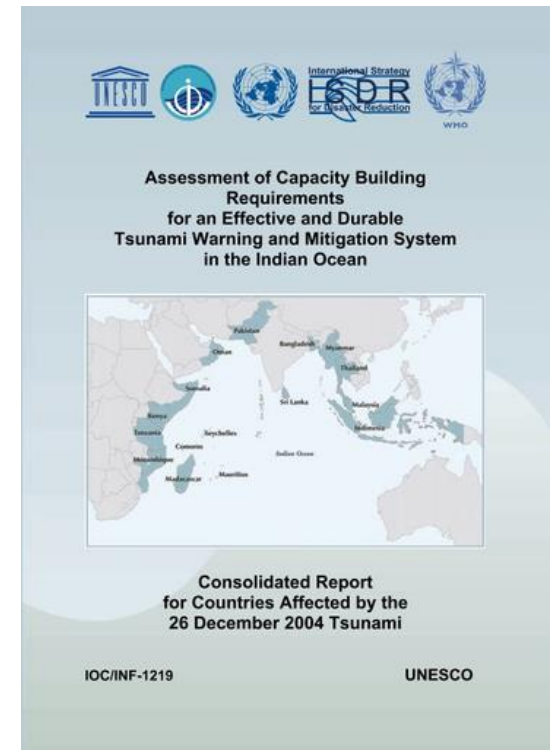
# Background



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- Following tragic tsunami of 26 December 2004, in which over 230,000 people lost their lives, UNESCO-IOC with mandate of United Nations General Assembly (UNGA) coordinated the establishment of Indian Ocean Tsunami Warning and Mitigation System (IOTWMS) and its Intergovernmental Coordination Group (ICG).
- Soon after the 2004 Indian Ocean Tsunami and as one of the initial steps, UNESCO-IOC facilitated an assessment of capacity building requirements for an effective and durable tsunami warning and mitigation system in the Indian Ocean by facilitating Expert Missions to 16 Member States affected by the tsunami.
- This assessment (IOC/INF-1219), along with other subsequent assessments conducted at the request of Member States, provided a regional overview of capacity in tsunami preparedness, as well as identified requirements of Member States to build regional capacity in tsunami warning and mitigation.

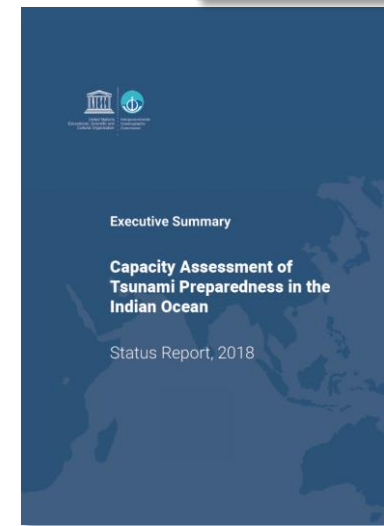
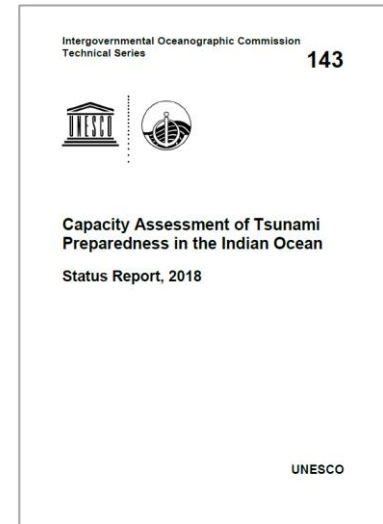


# Background

- 10th Session UNESCO-IOC ICG/IOTWMS (Muscat, August 2015) identified the need to conduct a reassessment of state of tsunami preparedness of the Indian Ocean Member States in order to evaluate progress since the 2004 Indian Ocean Tsunami, as well as identify specific gaps and prioritise capacity development requirements at both the regional and national level.
- 11th Session UNESCO-IOC ICG/IOTWMS (Putrajaya, April 2017) established the inter-sessional “Task Team on Capacity Assessment of Tsunami Preparedness” (TT-CATP) to oversee the capacity assessment of tsunami preparedness of the IOTWMS. The Task Team was chaired by Dr. Harkunti Rahayu (Indonesia) with representatives from Australia, India, Indonesia, Oman, Malaysia, Indian Ocean Tsunami Information Centre (IOTIC), the ICG/IOTWMS Working Groups, and invited experts from the Global Disaster Resilience Centre of the University of Huddersfield, U.K.
- Task Team designed an extensive online survey distributed to Member States by the Secretariat, covering all aspects of the end-to-end tsunami warning and mitigation system. The online questionnaire was built upon the ICG/IOTWMS National Report Template, Post-IOWave Exercise Surveys, UNESCO-IOC Post-Event Assessment Surveys.



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# Background

- As we approach the 20<sup>th</sup> anniversary of the 2004 Indian Ocean Tsunami, the 13th Session UNESCO-IOC ICG/IOTWMS (Bali, 2022) decided it was timely to conduct the next reassessment of the state of tsunami preparedness in 24 active ICG/IOTWMS Member States, reflect on **progress made**, identify **remaining gaps**, and prioritise capacity development requirements.
- Assessment is being undertaken by UNESCO-IOC ICG/IOTWMS Working Group 3 Tsunami Ready Implementation, with oversight and contributions by ICG/IOTWMS Steering Group and support from UNESCO-IOC ICG/IOTWMS Secretariat, based on reviewed and slightly modified version 2018 survey .
- Further support is being provided by UN Economic and Social Commission for Asia and the Pacific (UNESCAP) and Global Disaster Resilience Centre of the University of Huddersfield. Funding is being provided by Asian Development Bank (ADB) and the Swiss Agency for Development and Cooperation (SDC).



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# How will this assessment be used?

Results will be presented to:

- UNESCO-IOC Member States at 14th Session ICG/IOTWMS (Jakarta, Nov'24)
- UNESCO-IOC 2<sup>nd</sup> Global Tsunami Symposium commemorating 20 years since Indian Ocean Tsunami of 2004 (Banda Aceh, Nov'24)
- Other events commemorating the Indian Ocean Tsunami of 2024
- Asia-Pacific Ministerial Conference on Disaster Risk Reduction (Manila, Oct'24)
- Association of South-East Asian Nations (ASEAN)
- South Asian Association for Regional Cooperations (SAARC)
- World Tsunami Awareness Day (WTAD) 2024 (Nov'24)
- Early Warnings for All (EW4ALL) by 2027 initiative
- Summary reports tailored for policy-makers and potential donors, containing recommendations on filling gaps and priorities for capacity development support
- Research and scientific publications about early warning and mitigation systems



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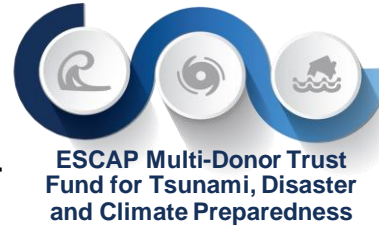
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# 2024 Capacity Assessment of Tsunami Preparedness ICG/IOTWMS



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## CAPITALISING ON

Existing technical capacity assessment methodologies and UNESCO-IOC ICG/IOTWMS commitment to conduct an assessment in 2024



UNESCO, UNDP, UNDRR, and National 20<sup>th</sup> IOT 2004 commemoration events and campaigns

## OBJECTIVES

1. Evaluate the existing technical capacity of the UNESCO-IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS) and highlight the **progress made** since 2004 IOT and subsequent assessments.
2. **Identify specific gaps** and capacity development requirements at regional and national levels for strengthening the technical and policy aspects of the tsunami warning and mitigation systems in the region
3. Reinvigorate political commitment and provide recommendations for investments in tsunami preparedness, aiming to address the identified gaps through regional and subregional cooperation.



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development





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## **2024 OUTPUTS**

- 1.A\_ Technical Capacity Assessment for IOTWMS (UNESCO)
- 1.B\_ IOTWMS assessment summary and comparative analysis (UNESCO)
  
- 2.A\_ Tsunami preparedness recommendations for ASEAN policymakers (UNESCAP/UNESCO)
- 2.B\_ Tsunami preparedness recommendations for SAARC policymakers (UNESCAP/UNESCO)



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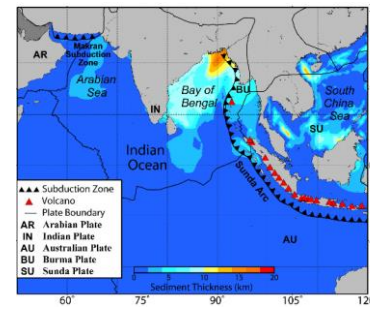
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Outputs	2023		2024			
	Q3	Q4	Q1	Q2	Q3	Q4
<b>Overall</b>	Develop project proposal by UNESCAP and UNESCO-IOC	<ul style="list-style-type: none"> <li>- Endorse Proposal (Trust Fund Advisory Council, ASEAN, and UNESCO-IOC ICG PTWS)</li> <li>- Launch Tsunami Capacity Assessment exercise at WTAD 2023</li> <li>- Recruitment</li> <li>- Workshop online review</li> </ul>	<ul style="list-style-type: none"> <li>- ICG/IOTWMS Steering Group review of 2018 Survey</li> </ul>	<ul style="list-style-type: none"> <li>- High-level sessions (80th Commission, 11APFSD)</li> </ul>	<ul style="list-style-type: none"> <li>- ICG/IOTWMS Steering Group validation workshop</li> <li>- Opportunities for high-level sessions (APMCDRR)</li> </ul>	<ul style="list-style-type: none"> <li>- Prepare Presentation Packages &amp; Media releases</li> <li>- Printing</li> <li>- <b>Launch, publications around 20th commemorations events, including UNESCO-IOC 2<sup>nd</sup> Global Tsunami Symposium (1.A, 1.B, 2.A, 2.B)</b></li> </ul>
<b>IOTWMS Technical (1.A, 1.B)</b>			<ul style="list-style-type: none"> <li>- 2018 Survey review and modification</li> </ul>	<ul style="list-style-type: none"> <li>- Data collection</li> <li>- Data analysis and synthesis</li> </ul>	<ul style="list-style-type: none"> <li>- Circulate draft reports for ICG-IOTWMS SG review</li> <li>- <b>Finalise UNESCO-IOC ICG/IOTWMS technical reports</b></li> </ul>	<ul style="list-style-type: none"> <li>- <b>Adoption by UNESCO-IOC ICG/IOTWMS-XIV (1.A and 1.B) and guidance for future work programmes</b></li> </ul>
<b>Subregional Policy Papers (2.A, 2.B )</b>				<ul style="list-style-type: none"> <li>- Begin drafting of ASEAN and SAARC reports</li> </ul>	<ul style="list-style-type: none"> <li>- Circulate ASEAN and SAARCdraft reports for review</li> <li>- <b>Finalisation of IOTWMS ASEAN and SAARC reports (2.A, 2.B)</b></li> </ul>	<ul style="list-style-type: none"> <li>- Incorporate findings into new programming</li> </ul>



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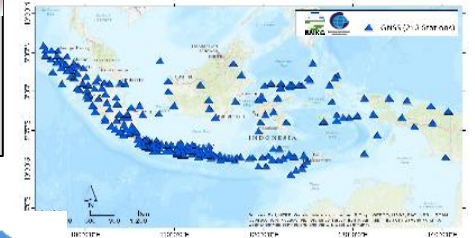
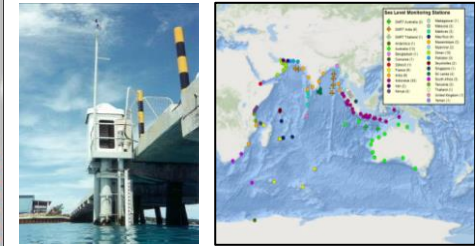
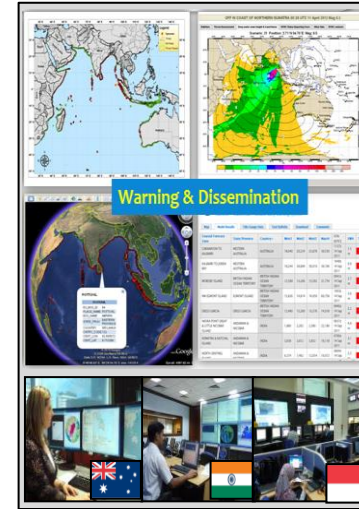
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# THANK YOU



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