

# International Symposium

## on the Lessons Learnt from the 2018 Tsunamis in Palu and Sunda Strait

26-28 September 2019

Auditorium BMKG, Jakarta - Indonesia

### The aim of this symposium:

- ❑ Critical and scientific dialogue on tsunami science, based on lessons learnt from Palu-Donggala and Sunda Strait events
  - Report of the ITST team survey results, analysis and conclusion.
  - Report from other National and International survey results, analysis and conclusion.
- ❑ Critical dialogue on future direction of the Tsunami Early Warning and Mitigation System, especially for effective warning chain for events with short warning times.
- ❑ Develop public dialogue and translation of scientific findings to policies and actions at government and community level for tsunamis
  - Improve public and multi-stakeholders understanding.
  - Review, consider, and recommend ways of enhancing tsunami preparedness and mitigation.

### The Background

Indonesia was hit by two destructive tsunamis in late 2018, which challenged our traditional understanding of tsunami hazard, warning and response mechanisms. The first event was the Palu and Donggala tsunami of 28 September 2018, following the 7.5 magnitude earthquake in Central Sulawesi, that killed about 4,340 people. The second was the Sunda Strait tsunami of 22 December 2018, following an eruption and partial collapse of the Anak Krakatau volcano, that killed about 426 people. Following the Palu and Donggala tsunami, the UNESCO's Intergovernmental Oceanographic Commission (IOC) in collaboration with Indonesian authorities led by the Coordinating Ministry for Maritime Affairs coordinated post-tsunami surveys by International Tsunami Survey Teams (ITST). These surveys, along with national surveys by Indonesia, were intended to contribute to the understanding of the characteristics and impacts of the tsunami, and to provide information to the Government of Indonesia for enhancement of tsunami risk management practices. The Symposium will make these results available to a broader audience, also from the wider region.

The UNESCO-IOC's Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS), in its 12th session held in Kish Island, Iran (March 2019) recognised the Palu and Sunda Strait tsunamis as being very complex from an early warning perspective, emphasising the urgent need to update hazard assessments, strengthen warning capabilities and enhance community response. This is not only of relevance for Indonesia, but also for many other countries in the Indian Ocean region which are affected by tsunami threats.

In commemoration of one year of the Palu and Donggala tsunami, the Coordinating Ministry for Maritime Affairs (CMMA), the Ministry of Research, Technology, and Higher Education (MORTHE), the Agency for Meteorology, Climatology, and Geophysics (BMKG), the National Disaster Management Agency (BNPB), jointly with UNESCO-IOC [the Indian Ocean Tsunami Information Centre (IOTIC), the ICG/IOTWMS secretariat and the International Tsunami Information Centre (ITIC)], the Indian Ocean Rim Association (IORA) supported by United Nation Office for Disaster Risk Reduction (UNDRR), United Nation Development Program (UNDP), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Deutsche GeoForschungsZentrum (GFZ), Japan International Cooperation Agency (JICA), and the Indonesian Tsunami Experts Association (IATSI) will hold an International Symposium on "Lessons Learnt from the 2018 Tsunamis in Palu and Sunda Strait" on 26-28 September in Indonesia.



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on the Lessons Learnt from the 2018 Tsunamis in Palu and Sunda Strait

## Sessions to be covered

### 1. Lessons learnt from the scientific findings of the recent tsunamis in Indonesia.

To present, discuss, and review scientific findings, analysis, and recommendations of the recent tsunamis in Indonesia:

- Lessons learnt from Palu-Donggala Tsunami.
- Lessons learnt from Sunda Strait Tsunami.
- Lessons learnt from the ITST process including Permit for Disaster Survey and Research.

### 2. Lessons learnt on End-to-end Tsunami Warning based on the recent tsunamis in Indonesia.

To present, discuss, and review technical and non-technical findings of the end-to-end tsunami warning and mitigation system especially for effective warning chains for events with short warning times from the perspective of

- Communities.
- Disaster management organisations.
- Tsunami early warning centres.

### 3. Strategies for development of End-to-end Tsunami Early Warning and Mitigation System.

To present and critically discuss challenges and improvements needed to develop a functional end-to-end tsunami early warning system, especially for near field tsunamis

- Detection, Warning, and Dissemination (technology, equipment, data and information).
- Emergency Management (Risk assessment and management action plans).
- Community Awareness and Preparedness (Root cause of vulnerability, Marginalized groups).

## Other side events:

### 1. Tsunami Education Corners / booths:

A side event to share national and international strategies and best practices in tsunami education and preparedness, e.g. Tsunami Ready.

### 2. Poster session

Researchers, practitioners, and students are invited to present posters of projects, research and/or proposed programs related to the Palu and Sunda Strait tsunamis as well as those related to effective warning chains for events with short warning times. Posters will be available for viewing throughout the symposium. The poster dimension:

- Portrait Format: Maximum Size A0:  
(L)841mm x (H)1189mm or (L)33.11in x (H)46.81in
- Landscape Format: Maximum Size A1:  
(L)841mm x (H)594mm or (L)33.11in x (H)23.39in

### 3. Photography exhibition

Researchers, practitioners, and students are invited to exhibit photographs related to the Palu and Sunda Strait tsunamis to display some of the most striking images photographed during the fieldwork. Photos can be in color or monochrome with the dimension

- Portrait Format: approximately  
(L)40.64mm x (H)50.8mm or (L)16in x (H)20in
- Landscape Format: approximately  
(L)50.8mm x (H)40.64mm or (L)20in x (H)16in

### 4. Field Trip to Area affected by the Sunda Strait Tsunami

After the symposium, participants may join a one-day excursion (optional) to visit the area affected by the Sunda Strait Tsunami and to discuss the practical implications of the findings of the Symposium.

**Booth, Poster, and Photo exhibition Registration by 10 September 2019**

For registration of Booths, Posters, and Photo exhibition please contact IOTIC-BMKG Programme Office: Mr. Admiral Musa ([admiralmusajulius@gmail.com](mailto:admiralmusajulius@gmail.com))



## Invited Speakers for the Symposium

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### 1. Keynote Speakers:

- Coordinating Ministry for Maritime Affairs
  - UNESCO-IOC / ICG/IOTWMS Chair
  - Representative of IORA
  - Tsunami Early Warning and Mitigation Experts from (USA, Europe, Indian Ocean)
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### 2. Presentations:

- International Tsunami Survey Teams to Palu (ITST Palu) and International Tsunami Survey Sunda Strait.
  - Indonesian Tsunami Survey Teams to Palu, Donggala, and Sunda Strait.
  - Disaster management agencies and Tsunami Early Warning Centres from the Indian Ocean region.
  - Other interested speakers and presenters.
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## Speakers and Presenters

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Interested speakers and presenters for the symposium are requested to send a one page abstract to the organizing committee by **20 August 2019** to IOTIC-BMKG Programme Office:

Mr. Ardito M. Kodijat: [a.kodijat@unesco.org](mailto:a.kodijat@unesco.org)

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## Who Should Attend

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Ministries and Non-Ministerial Government Agencies involved in tsunami/disaster early warning and mitigation.

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Representatives of Disaster Management Agencies and Tsunami Early Warning Centers.

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Academicians, Researchers, Engineers, and Students from Universities.

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Civil Society Organizations/  
Non-Government Organizations.

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Private Sectors and Media/Journalists.

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Industry representatives in related areas such as insurance, emergency management, early warning system, etc.

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## Participants Registration

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This Symposium is open attendance and there is no registration fee. Registration can be completed online at:

[www.ioc-tsunami.org/Palu-Symposium](http://www.ioc-tsunami.org/Palu-Symposium)

Official participants from the IORA Member Countries, registration through the IORA Secretariat and National Focal Points.

More information for participant registration please contact IOTIC-BMKG Programme Office:

Ms. Litanya Octonovrilna: [vrilna@yahoo.com](mailto:vrilna@yahoo.com)

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# Organizers and Collaborators of the Symposium

1. The Coordinating Ministry for Maritime Affairs
2. The Ministry for Research, Technology and Higher Education
3. The Ministry of Foreign Affairs
4. The Agency for Meteorology, Climatology, and Geophysics (BMKG)
5. The National Disaster Management Agency (BNPB)
6. UNESCO-IOC [ICG/IOTWMS Secretariat, Indian Ocean Tsunami Information Centre (IOTIC), and International Tsunami Information Centre (ITIC)]
7. UNITED NATIONS for Disaster Risk Reduction (UNDRR)
8. UNITED NATIONS Development Program (UNDP)
9. Indian Ocean Rim Association (IORA)
10. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
11. Deutsche GeoForschungsZentrum (GFZ)
12. Japan International Cooperation Agency (JICA)
13. Indonesian Tsunami Experts Association (IATSI)

## For more information

IOTIC BMKG Programme Office:

Ardito M Kodijat ( [a.kodijat@unesco.org](mailto:a.kodijat@unesco.org) )

**The Next Announcement will include details of the programme, keynote speakers, and presenters and will be issued on 9 September 2019**

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