

INTERNATIONAL SYMPOSIUM ON TSUNAMI AND MULTI HAZARD RISKS, EARLY WARNING AND COMMUNITY AWARENESS IN SUPPORTING THE IMPLEMENTATION OF SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030

To Promote and Support the Availability and Application of Research, Science and Technology to
Policy, Practice and Decision-Making in Disaster Risk Reduction

19TH - 20TH MARCH 2020, CINNAMON GRAND, COLOMBO, SRI LANKA

Experience over recent years of the impacts of tsunamis has shown that inadequate preparation for, and response to, emergency situations have contributed to widespread damage and the avoidable loss of lives and livelihoods. A 2015 UN report estimates that each year, an additional 60,000 people and \$4 billion (US\$) in assets are exposed to the threat of tsunami hazard. As demonstrated by recent events in the Sunda Strait and in Palu, Indonesia, tsunamis inflict death and damage through violent, powerful flooding along the world's coastline. These events also highlighted the potential for cascading hazards, and the importance of a multi-hazard approach to early warning.

Between 1998 and 2017, climate-related and geophysical disasters killed 1.3 million people and left a further 4.4 billion injured, homeless, displaced or in need of emergency assistance. While the majority of fatalities were due to geophysical events, mostly earthquakes and tsunamis, 91% of all disasters were caused by floods, storms, droughts, heatwaves and other extreme weather events.

There are increasing calls for strengthened tsunami risk assessment and mitigation, community awareness and preparedness, and multi-hazard early warning systems at all levels. As emphasised by the Sendai Framework for Disaster Risk Reduction (SFDRR 2015-2030), this requires an integrated and holistic approach to early warning for multiple hazards, and for risks tailored to user needs across sectors and community awareness. Together these will help to mainstream tsunami disaster risk reduction and to support efforts towards the Sustainable Development Goals by 2030.

This high-level, international symposium, which will be organised in collaboration with Disaster Management Centre, Sri Lanka; Global Disaster Resilience Centre, University of Huddersfield, UK; IOC-UNESCO IOTWMS, WG 1 on Tsunami Risk, Community Awareness and Preparedness, and other partners will be held to recognise achievements, and to highlight work that still needs to be done. It will promote collaboration among academia, research institutions and disaster management offices, and encourage multidisciplinary and multi sectoral interaction.

SEVERAL INTERACTIVE SESSIONS ARE PLANNED:

- Early warning in a changing climate
- Risk based/informed early warning and global agendas - Sendai and SDGs
- The first mile - Hazard monitoring; forecasting and warnings; new, innovative tools / products for strengthening EWSs
- Early warning interface - legal and institutional framework, clearly defined actors, governance and institutional arrangements, vertical and horizontal coordination
- Reaching the last mile - Bringing the message to communities at risk - Technical, legal and socio-cultural complexities involved in communicating coastal based hazard early warning to communities
- Next generation of TEW dissemination
- Using GIS technology for disaster preparedness and early warning
- Formal and informal communication mechanisms in early warning
- Risk transferring and forecast based financing for DRR
- Institutionalising and sustaining early warning systems - Technical, human and operational capacity, and localisation
- Local ownership, enhancing response capacity and community awareness
- Measuring early warning effectiveness and ongoing evaluation
- Simulation exercises, drills and Standard Operating Procedures (SOPs)
- Multi-Hazard Early Warning (MHEW) Systems, including exploring the potential for synergising tsunami early warning with other hazards
- Nature Based Solutions (NBSs) for managing disaster risks

University of
HUDDERSFIELD

cabaret

UNESCO
United Nations
Educational, Scientific and
Cultural Organization

Intergovernmental
Oceanographic
Commission

adpc

IUCN

Ministry of Public
Administration &
Disaster Management

DMC
SRI LANKA

ADZIMP

Ministry of Disaster Management
& Public Security

Ministry of Disaster Management
& Public Security

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rebuilding after displacement

regard
rebuilding after displacement

INSTITUT TEKNOLOGI
BANDUNG
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SPECIAL FEATURES:

1. An IOC-UNESCO inter-sessional meeting of ICG/IOTWMS Working Group 1: Tsunami Risk, Community Awareness and Preparedness
2. Panel discussions on emerging challenges in Tsunami and Multi-Hazard Early Warning
3. Poster and essay competition for school children on Early Warning
4. Discussions on most up to date research updates in related areas

ORGANISERS AND COLLABORATORS:

- Global Disaster Resilience Centre, University of Huddersfield, UK
- CABARET (Capacity Building in Asia for Resilience EducaTion) project on fostering regional cooperation for more effective multi-hazard early warning and increased disaster resilience among coastal communities
- The International Oceanographic Commission of UNESCO (IOC-UNESCO), Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) ICG/IOTWMS WG 1 on Tsunami Risk, Community Awareness and Preparedness
- IOC-UNESCO IOTWMS, WG 1 on Tsunami Risk, Community Awareness and Preparedness
- Asian Disaster Preparedness Centre (ADPC), Thailand
- National Building Research Organisation (NBRO), Sri Lanka
- International Union for Conservation of Nature (IUCN), Sri Lanka
- Ministry of Public Administration, Disaster Management and Rural Economic Affairs, Sri Lanka
- Disaster Management Centre (DMC), Sri Lanka
- Association of Disaster Risk Management Professionals in Sri Lanka (ADRIIMP)
- University of Moratuwa, Sri Lanka
- University of Peradeniya, Sri Lanka
- REGARD (REbuilding AfterR Displacement)
- Bandung Institute of Technology (ITB), Indonesia

FOR MORE INFORMATION ON THE EVENT, PLEASE CONTACT :

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ABSTRACT SUBMISSIONS

Please mention the relevant theme, when you are submitting your abstracts. Please limit your abstract to a maximum of 200 words. You can access the abstract submission template here:

<http://cabaret.buildresilience.org/index.php/2020-symposium>

Send your abstracts to: Asitha de Silva (asitha.desilva@hud.ac.uk) at the Global Disaster Resilience Centre, University of Huddersfield, by 30th September 2019. You will then be notified with the acceptance of your abstract.

SUBMISSION OF FULL PAPERS

Authors whose abstracts were accepted for the symposium will have the option to submit the corresponding paper (with between 3,000 and 3,500 words).

Please note that the submission of a paper is *NOT* mandatory; it is only for the authors who wish to do so. The submission period will be opened after the abstract closure date, and the deadline for the submission of the full paper will be announced later.

Publication opportunities linked to the symposium are under discussion at the moment. Details will be published soon.

KEYNOTE SPEAKERS

DR SRINIVASA KUMAR TUMMALA



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The International Oceanographic Commission of UNESCO (IOC-UNESCO), Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) ICG/IOTWMS WG 1 on Tsunami Risk, Community Awareness and Preparedness