

INTERNATIONAL SYMPOSIUM ON

MULTI HAZARD EARLY WARNING AND DISASTER RISK REDUCTION

To promote the availability and application of research, science and technology to support implementation of Sendai Framework for Disaster Risk Reduction 2015-2030

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

Funded by:



Experience over recent years of the impacts of tsunamis, cyclones, flooding and other major natural hazards has shown that inadequate preparation for, and response to, emergency situations have contributed to widespread damage and the avoidable loss of lives and livelihoods.

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, heat-waves and other extreme weather events.

There are increasing calls for strengthened 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 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:

1. Climate change & early warning

- Early warning in a changing climate
- Institutionalizing and sustaining early warning systems – technical, human and operational capacity, and localization
- Measuring early warning effectiveness and ongoing evaluation
- Multi – Hazard Early Warning (MHEW) Systems, including exploring the potential for synergizing tsunami early warning with other hazards

2. Sendai Framework for Disaster Risk Reduction 2015-2030 / Sustainable Development Goals

- Risk based / informed early warning and global agendas Sendai and SDGs

3. Disaster preparedness

- Using GIS technology for disaster preparedness and early warning
- Local ownership, enhancing response capacity and community awareness
- Simulation exercises, drills and standard operating Procedures (SOPs)
- Disaster emergency food and sanitation

4. Risk transfer / insurance

- Risk transferring and forecast based financing for DRR
- Nature Based Solutions (NBSs) for managing disaster risks

5. Innovation for better early warning

- The first mile – Hazard monitoring; forecasting and warning; new, innovative tools / products for strengthening EWSs

6. Communications for Better EW

- 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
- Formal and informal communication mechanisms in early warning

7. Disaster risk reduction

- Transboundary disaster risk governance
- Displacement and relocation
- Disaster resilient urban planning and development



Ministry of Public Administration & Disaster Management



DEPARTMENT OF METEOROLOGY
SRI LANKA



regard
rebuilding after displacement



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
- 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
- United Nations Office for Disaster Risk Reduction (UNDRR)
- 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
- Department of Meteorology, Sri Lanka
- Association of Disaster Risk Management Professionals in Sri Lanka (ADRIIMP)
- University of Moratuwa, University of Peradeniya, University of Colombo, University of Ruhuna, Sri Lanka
- REGARD (REbuilding After Displacement)
- 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
- Bandung Institute of Technology (ITB), Indonesia

FOR MORE INFORMATION ON THE EVENT, PLEASE CONTACT :

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ABSTRACT SUBMISSIONS

Please be cautious to 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 **20th December 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 a revised version of their abstract and 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, the deadline for the submission of the full paper will be announced later. You need to submit your paper formatted according to the Full Paper Template.

Please keep in mind that the high-quality submissions will be considered for the publication opportunities linked to the symposium which are under discussion at the moment. Details will be published soon.

KEYNOTE SPEAKERS

DR SRINIVASA KUMAR TUMMALA



Head of The International Oceanographic Commission of UNESCO (IOC-UNESCO), Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)

DR HARKUNTI RAHAYU



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

