APRU 2023
Multi-Hazards Workshop
Localizing Disaster Risk Reduction Strategies in Asia and the Pacific

Honolulu, Hawai'i, USA
21-23 February 2023
APRU 2023
Multi-Hazards Workshop
Localizing Disaster Risk Reduction Strategies in Asia and the Pacific

Within the disaster risk reduction (DRR) community, “ Localization” is not a new concept or terminology. Despite such a long-term discussion and initiatives of localization, what has been missed, and what could we contribute to changing the situation and improving disaster risk management capacity at the local level? Unless the voices of local practitioners are reflected and incorporated into a DRR strategy and heard as resources, the efforts could not be sustainable and never contribute to building their resilience to disasters.

This workshop has four critical focuses: Emergency response, All-hazards approach, Early warning/risk communication, and Inclusive DRR that urgently require further efforts for localization. Each session will invite experts and practitioners in their respective fields and discuss the challenges and the contributions made by various sectors and potential collaboration among them to improve the situation. Participants will have the opportunity to experience crisis communications training, and share ideas on continuing this conversation.

Organizers
University of Hawai‘i at Mānoa
The flagship campus of the University of Hawai‘i System, UH Mānoa is one of 115 R1: Research Universities, and among only a handful of land-, sea-, space- and sun-grant institutions. It is a global leader in earth and environmental sciences, with specialties in sustainability, climate, food systems and health. UH Mānoa is actively involved in disaster resilience efforts around the world. Complementing the study of disaster science, researchers explore the social and human perspectives of disaster risk reduction and resilience.

APRU Multi-Hazards Program & IRiDeS at Tohoku University
APRU and the International Research Institute of Disaster Science (IRiDeS) at Tohoku University launched the APRU-IRiDeS Multi-Hazards (MH) Program in April 2013 to mark the second anniversary of the 2011 Great East Japan Earthquake and Tsunami. The MH Program builds upon the strengths of APRU Multi-Hazards Symposia over the past decade in countries spanning the Pacific Ring of Fire. IRiDeS provides secretariat services and overall program coordination as the regional program hub to the MH Program.

Lead Sponsor
Tokio Marine Group
Sponsor
Center for Excellence in Disaster Management & Humanitarian Assistance (CFE-DM)

We thank our sponsors for their strong support and generosity to make this international workshop happen.

Program Schedule

DAY 1 | 21 FEBRUARY
Location: ITS Conferencing Room, University of Hawai‘i at Mānoa

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00</td>
<td>Welcome</td>
</tr>
<tr>
<td>11.00</td>
<td>Break</td>
</tr>
<tr>
<td>13.00</td>
<td>Lunch</td>
</tr>
<tr>
<td>09.30</td>
<td>Panel Session I</td>
</tr>
<tr>
<td></td>
<td>Humanitarian Assistance</td>
</tr>
<tr>
<td></td>
<td>Duration 90 Minutes</td>
</tr>
<tr>
<td>11.30</td>
<td>Panel Session II</td>
</tr>
<tr>
<td></td>
<td>All-Hazards Approach</td>
</tr>
<tr>
<td></td>
<td>Duration 90 Minutes</td>
</tr>
<tr>
<td>14.30</td>
<td>Panel Session III</td>
</tr>
<tr>
<td></td>
<td>Early Warning Risk</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Duration 90 Minutes</td>
</tr>
</tbody>
</table>

Evening
Reception
The Pacific Club
1451 Queen Emma St

DAY 2 | 22 FEBRUARY
Location: ITS Conferencing Room, University of Hawai‘i at Mānoa

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00</td>
<td>Panel Session IV</td>
</tr>
<tr>
<td></td>
<td>Inclusive Disaster Risk</td>
</tr>
<tr>
<td></td>
<td>Reduction</td>
</tr>
<tr>
<td></td>
<td>Duration 90 Minutes</td>
</tr>
<tr>
<td>10.30</td>
<td>Break</td>
</tr>
<tr>
<td>11.00</td>
<td>Discussion</td>
</tr>
<tr>
<td></td>
<td>Next Steps &amp; Way Forward</td>
</tr>
<tr>
<td></td>
<td>Duration 60 Minutes</td>
</tr>
<tr>
<td>12.00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13.30</td>
<td>News Room Simulation Disaster: Live</td>
</tr>
<tr>
<td></td>
<td>Duration 120 Minutes</td>
</tr>
</tbody>
</table>

DAY 3 | 23 FEBRUARY

09.00 - 16.00
Field Trip (Lunch Included)
Ford Island (Pearl Harbor National Memorial, USS Arizona Memorial, or relevant NOAA facilities). The participants will be brought to the Waikīkī Beach area at the end of the tour.
Day 1 | 21 February

Panel Session I
Humanitarian Assistance

Topic: Regional and Local Perspectives on Information Sharing in HA/DR

Information sharing is the basis for coordination and a shared responsibility in relief operations. Responding actors should plan for and implement effective information sharing in collaboration with and in support of national and local authorities and other responders, working together to ensure successful coordination. This panel has been brought together to discuss the regional and local perspectives on information sharing in HA/DR. Panelists will discuss humanitarian assistance and information sharing response lessons learned at the regional and local level.

Session Lead:
• Dr. Erin Hughey, Director of Global Operations, Pacific Disaster Center

Speakers:
• Ms. Tiare Eastmond, Regional Advisor for the Pacific, USAID’s Bureau for Humanitarian Assistance
• LTC Yingqiag Liu, Head of Plans, Singapore Armed Forces, Changi Regional HA/DR Coordination Centre
• Dr. Alberto “Mur” Morales, Jr., Co-Chair of the Regional Consultative Group’s (RCDG) Information Sharing Working Group with the United Nation’s Office for the Coordination of Humanitarian Affairs (UNOCHA) and the Australian Civil-Military Centre (ACMC)

Panel Session II
All-Hazards Approach

Topic: All-Hazards Approach

The COVID-19 experience showed that the current disaster risk reduction strategy is not sufficient and has to be scaled up to tackle multiple-hazard risks. An all-hazards approach considers the commonalities in all disasters that allow for generalized preparedness and planning. The Sendai Framework for Disaster Risk Reduction also requires “to develop and apply methodologies and models to assess disaster risks, vulnerabilities and exposure to all hazards.” This session aims to discuss how local people need to prepare for future multiple risks and what kind of measures and approaches are necessary to respond effectively to compound hazards.

Session Lead:
• Prof. Takako Iizumi, IRIDeS/Graduate School of International Cultural Studies of Tohoku University and Director of IRIDeS Multi-Hazards Program

Speakers:
• Mr. Charles M. Ham, Senior Specialist, National Disaster Preparedness Training Center & University of Hawai‘i at Mānoa
• Dr. Allia Holloway, Senior Lecturer, Disaster Risk Management and Development, School of Public Health and Disiplinary Studies, Auckland University of Technology
• Mr. Daisuke Kato, Research Officer, The Tokyo Marine Research Institute
• Prof. Najib Shaw, Professor at Graduate School of Media and Governance & Faculty of Policy Management, Keio University
• Dr. Akmlesh Surjan, Associate Professor/Research & Thalia Leader - Humanitarian Emergency and Disaster Management Studies Program, Charles Darwin University

Panel Session III
Early Warning Risk Communication

Topic: Building a Safer World through Effective Multi-Hazard Early Warning Systems

The Asia Pacific is acknowledged to be the most disaster-prone region of the world. The need for effective multi-hazard early warning systems has been made more urgent by the impacts of climate change and COVID-19. The panel will explore the evolution of multi-hazard early-warning systems, with a focus on connecting the science with operational applications. Using the Sendai Framework Target 12, as a guide, the panel will explore the complex interrelationship between the physical characteristics of each hazard, incorporation of indigenous knowledge, disaster risk communication, and the application of necessary technology for the effective implementation of multi-hazard early warning systems.

Session Lead:
• Dr. Erin Hughey, Director of Global Operations, Pacific Disaster Center

Speakers:
• Dr. Dave McIntire, Department of Emergency Services/Center for National Security Studies, Utah Valley University
• Mr. Joel Myer, Senior Disaster Management Specialist, Pacific Disaster Center
• Mrs. Gayle Otten-Moncur, Deputy Director of Bahamas National Emergency Management Agency
• Mr. Waymine Towai, Executive Director of Palau National Emergency Management Office

Day 2 | 22 February

Panel Session IV
Inclusive DRR

Topic: Growing, Greening and Cultivating Inclusivity in Disaster Risk Reduction

Highlighting research and development activities to support training and education and capacity-building, this session will examine barriers and opportunities for fostering greater inclusivity in hazards risk assessment and risk reduction. In addition to addressing access and functional needs, attention to gender and social equity along with increased investment in green infrastructure and nature-based solutions provide pathways for resilience and sustainability.

Session Lead:
• Dr. Karl Kim, Professor of Urban and Regional Planning at College of Social Science and Professor of Economics, University of Hawai‘i at Mānoa

Speakers:
• Dr. David Laiteman, Assistant Professor at Asian School of the Environment & Earth Observatory of Singapore, Nanyang Technological University
• Ms. Lydia Morikawa, Associate Director for Course Development and Delivery, National Disaster Preparedness Training Center, University of Hawai‘i at Mānoa
• Prof. Ian Hoy, Te Awhiwhiourau - Chair in the Economics of Disasters and Climate Change, Te Heranga Waka – Victoria University of Wellington
• Dr. Suwan Shen, Associate Professor in the Department of Urban and Regional Planning, University of Hawai‘i at Mānoa
• Ms. Tahitamoana L. Tua-Tupou, State Director, University Center for Excellence in Development Disabilities, American Samoa Community College

Panel Session V
News Room Simulation

Topic: Disaster: Live

College of Social Science (CSS) Digital Studios offers a 2 hour crisis media training workshop with experts in the field. Skills for looking professional on camera, formulating concise “sound bites” and producing media friendly graphics will be covered in this session hosted by CSS staff and professionals from the community.

Session Lead:
• Ms. Sherrie White, Director of Digital Studios, College of Social Sciences, University of Hawai‘i at Mānoa

Key Participants:
• Mr. Charles J. Anthony, Director of Public Affairs for Joint Base Pearl Harbor-Hickam & Former Director of Public Affairs for the State of Hawai‘i, Department of Defense
• Dr. Nathan Becker, Senior Physical Scientist, National Oceanic and Atmospheric Administration (NOAA)
• Dr. Ana Lucia Hill-Mayoral, DRF’s Government Consultant & Professor at Escuela Nacional de Proteccion Civil Campus Chiapas
Notes

APRU Multi-Hazards Workshop Sponsors

**Sponsor**

Tokio Marine Group

Center for Excellence in Disaster Management & Humanitarian Assistance (CFE-DM) builds crisis response capacity in U.S. and partner militaries, enhances coordination and collaboration with civilian and foreign partners, and strengthens those relationships to save lives and alleviate human suffering before, during, and after humanitarian crises.

**Venues & Accommodations**

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Lead Sponsor</th>
<th>Outrigger Waikiki Beachcomber</th>
<th>The Pacific Club (Reception on 21 Feb.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Technology Center</td>
<td>2520 Correa Road, Honolulu, Hawaii 96822</td>
<td>2300 Kalakaua Avenue, Honolulu, Hawaii 96815</td>
<td>1451 Queen Emma St, Honolulu, HI 96813</td>
</tr>
</tbody>
</table>

**COVID-19 Protocol**

Masking continues to be required in classrooms, shared laboratory spaces and tightly confined educational spaces. Masks must be worn by anyone who has been exposed to someone with the virus or who is returning to campus after isolation.

Should you become symptomatic and/or test positive for Covid-19 at anytime during the event, please immediately withdraw from the in-person components of the workshop and work from your hotel/accommodations at least 5 days.

If you require testing prior to your departure, please find testing locations at [https://www.oneoahu.org/covid19-testing/](https://www.oneoahu.org/covid19-testing/) map. The two closest locations to the University of Hawai’i at Mānoa are the Mo’ili’ili CVS and Diagnostic Labs Kapahulu.

University of Hawai’i COVID-19 Guidelines: [https://www.hawaii.edu/covid19-guidelines/](https://www.hawaii.edu/covid19-guidelines/)

**Emergency Contact**

Ms. Jenna Saito
Email address: jlsaito@hawaii.edu
Local mobile number: +1 808-330-3877