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Multi-  
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# 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.



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Center for Excellence in  
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(CFE-DM)

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



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## Program Schedule

### DAY 1 | 21 FEBRUARY

Location: ITS Conferencing Room, University of Hawai'i at Mānoa

**09.00**

Welcome

**11.00**

Break

**13.00**

Lunch

**09.30**

Panel Session I  
**Humanitarian  
Assistance**

Duration  
90 Minutes

**11.30**

Panel Session II  
**All-Hazards  
Approach**

Duration  
90 Minutes

**14.30**

Panel Session III  
**Early Warning Risk  
Communication**

Duration  
90 Minutes

### Evening

Reception  
[The Pacific Club](#)  
1451 Queen Emma St

### DAY 2 | 22 FEBRUARY

Location: ITS Conferencing Room, University of Hawai'i at Mānoa

**09.00**

Panel Session IV  
**Inclusive Disaster Risk  
Reduction**

Duration  
90 Minutes

**10.30**

Break

**11.00**

Discussion  
**Next Steps & Way Forward**

Duration  
60 Minutes

**12.00**

Lunch

**13.30**

News Room Simulation  
**Disaster: Live**

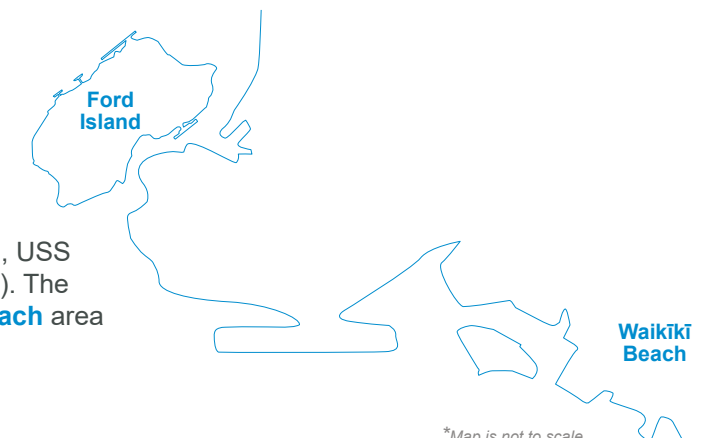
Duration  
120 Minutes

### 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 **Waikiki 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. Michelle Ibanez**, DMHA Program Specialist, Applied Research & Information Sharing, Center for Excellence in Disaster Management & Humanitarian Assistance
- Speakers:
- **Ms. Tiare Eastmond**, Regional Advisor for the Pacific, USAID's Bureau for Humanitarian Assistance
  - **LTC Yongqiang Liu**, Head of Plans, Singapore Armed Forces, Changi Regional HADR Coordination Centre
  - **Dr. Alberto "Mo" Morales, Jr.**, Co-Chair of the Regional Consultative Group's (RCG) 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 Izumi**, IRiDeS/ Graduate School of International Cultural Studies of Tohoku University and Director of APRU Multi-Hazards Program
- Speakers:
- **Mr. Charles M. Ham**, Senior Specialist, National Disaster Preparedness Training Center & University of Hawai'i at Mānoa
  - **Dr. Ailsa Holloway**, Senior Lecturer, Disaster Risk Management and Development, School of Public Health and Disciplinary Studies, Auckland University of Technology
  - **Mr. Daisuke Kato**, Research Officer, The Tokio Marine Research Institute
  - **Prof. Rajib Shaw**, Professor at Graduate School of Media and Governance & Faculty of Policy Management, Keio University
  - **Dr. Akhilesh Surjan**, Associate Professor/ Research & Theme 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 G. 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 McEntire**, 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 Sciences, and Director of Disaster Management & Humanitarian Assistance Program and Executive Director of National Disaster Preparedness Training Center, University of Hawai'i at Mānoa
- Speakers:
- **Dr. David Lallemant**, 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. Ilan Noy**, Te Āwhionukurangi - Chair in the Economics of Disasters and Climate Change, Te Herenga 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. Tafaimamao L. Tua-Tupuola**, State Director, University Center for Excellence in Development Disabilities, American Samoa Community College

Discussion (Closed Session)

**Topic: Next Steps & Way Forward**

Discussion on the next steps and key considerations on the output from this workshop.

- Session Co-Leads:
- **Prof. Takako Izumi**, IRiDeS/ Graduate School of International Cultural Studies of Tohoku University and Director of APRU Multi-Hazards Program
  - **Dr. Denise Eby Konan**, Dean of the College of Social Sciences and Professor of Economics, University of Hawai'i at Mānoa

News Room Simulation

**Disaster: Live**

College of Social Science (CSS) Digital Studios offers a 2 hour crisis media training simulation 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 Lucía Hill-Mayoral**, DRR's Government Consultant & Professor at Escuela Nacional de Protección Civil Campus Chiapas



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The image shows two logos side-by-side. On the left is the Tokio Marine Group logo, which consists of a stylized blue and yellow circular emblem followed by the text "TOKIO MARINE GROUP" in bold and "To Be a Good Company" in a smaller font below it. On the right is the CFE-DM logo, which features a stylized orange and yellow flame-like emblem above the text "CFE-DM" in blue, with a small green plant-like icon below it.

<b>Information Technology Services (ITS) Conferencing</b> Information Technology Center 2520 Correa Road Honolulu, Hawaii 96822	<b>Outrigger Waikiki Beachcomber</b> 2300 Kalakaua Avenue, Honolulu, Hawaii 96815 Contact: 1-808-922-4646	<b>The Pacific Club</b> <a href="#">(Reception on 21 Feb.)</a> 1451 Queen Emma St, Honolulu, HI 96813
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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/#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/>

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