



**PRiMO**

PACIFIC RISK MANAGEMENT 'OHANA

# ***Conference Program***

***The Rising Pacific:***

Currents of Change and Solutions for Resilience

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**March 24 to 26, 2015**

**Honolulu, Hawai'i**

*[www.primohui.org](http://www.primohui.org)*



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## **What Is the Pacific Risk Management 'Ohana (PRiMO)?**

PRiMO began in 2003 as an effort to explore opportunities to enhance communication and collaboration among the 'ohana of organizations involved in risk and emergency management. Since then, PRiMO has transformed into a collaborative consortium of local, national, and regional organizations committed to strengthening the resilience of Pacific Island communities to climate and weather-related hazards, including hazardous events such as oil spills and disease outbreaks. PRiMO is comprised of six hui, or working groups, with individuals from government, academia, and the private and non-profit sectors. Together, the PRiMO hui are creating a platform for resilience that harnesses collaboration, resource sharing, and collective action in the Pacific Islands region.

## **About the Conference**

The PRiMO Annual Conference is a leading venue for emergency, disaster risk reduction, and hazards professionals to share ideas, strategize, and inform solutions that address the varied challenges facing Pacific Island communities working toward resilience goals. The theme of PRiMO 2015, "The Rising Pacific: Currents of Change and Solutions for Resilience," will highlight communities and projects that are engaged in finding solutions to disaster management, climate change, and sustainability challenges in the Pacific region.

In addition to showcasing 25 sessions and professional development trainings, the conference program is thoughtfully designed to facilitate partnerships that transcend geographic boundaries and disciplines, providing unique opportunities for collaboration. Participants from diverse backgrounds are expected to attend, including representatives from state and federal agencies, non-profits, conservation groups, and the business, health, and industry sectors.

## A Note from Our Chair

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Aloha Kākou,

It is my distinct pleasure to welcome you to the thirteenth annual meeting of the Pacific Risk Management 'Ohana (PRiMO). This event would not have been possible without the support of members like you. Mahalo nui for being a member of our 'ohana.

It's an exciting time for PRiMO. While it is confronting a time of many organizational as well as global changes, it is adapting to remain motivated and dedicated to enhancing and sustaining hazard resilient communities. The world of disaster risk reduction is an exciting area in which to work and study, and we'll continue to meet and bring inspired people together in forums like this to ensure that PRiMO remains relevant and responsive to the needs of our coastal communities.

This meeting offers each of us multiple opportunities to share important information with a wide range of partners and stakeholders representing agencies and organizations throughout the Pacific, including those that are, for many of us, "in our own backyard."

Our theme this year, "The Rising Pacific: Currents of Change and Solutions for Resilience," is particularly timely as we consider the impacts of the string of natural disasters in 2014 that affected nearly 100 million people globally, with 90 percent residing in the Asia-Pacific region. Compounding this are the effects of rising sea levels that are impacting coastal communities in the Pacific and elsewhere. These impacts are being felt as we meet this week, and their immediate need for help is readily apparent. This meeting is an opportunity to further understand these issues, learn the lessons to be learned, and work together to develop solutions.

As you contemplate the full schedule of events this week, I'd like to give you an idea of what you can expect over the next few days:

**Tuesday, 9:00 a.m.** – Our opening plenary will feature a panel of experts from across the nation to discuss resilience indicators and describe ways to measure a community's resilience, tools, and processes that help the community reach a more resilient state and tangible rewards for their efforts.

**Tuesday, 5:00 p.m.** – Please join us at the Exhibitors' Showcase and Networking Reception. The conference opening and keynote speech will be given by the Ao o le Malo o Samoa (Head of State) of the Independent State of Samoa, His Highness Tui Atua Tupua Tamasese Efi, who will share his insights on "Disaster Preparedness and 'the Indigenous' in the Pacific."

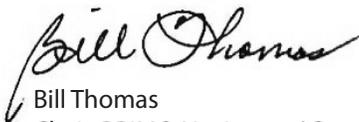
**Wednesday, 9:15 a.m.** – Keynote speaker Mark Keim, M.D., chief executive officer and founder of DisasterDoc, LLC, will talk about the public health impacts of climate change.

**Wednesday 5:30 p.m.** – This year we are honored to partner with R3ADY Asia-Pacific to host former President of the Republic of the Maldives Mohamed Nasheed for a viewing of the documentary *The Island President*, about his efforts to combat climate change, followed by a question-and-answer session with him.

**Thursday 9:00 a.m.** – Mohamed Nasheed, the former President of the Republic of the Maldives, will speak about tourism and the Pacific Islands followed by a panel session of industry leaders and experts discussing the same topic.

Before I close, I'd like to thank each of you for attending our conference and bringing your expertise to our gathering. You, as current and future leaders, have the vision, the knowledge, the wherewithal, and the experience to help us pave our way into the future. You are truly our greatest asset today and tomorrow, and we could not accomplish what we do without your support and leadership. Throughout this conference, I ask you to stay engaged, keep us proactive, and help us shape the future of PRiMO. My personal respect and thanks goes out to all of you.

Me ke aloha,



Bill Thomas  
Chair, PRiMO Navigators' Council

# ***Pacific Risk Management ‘Ohana Leadership***

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PRiMO Executive Director Adam Stein, NOAA Office for Coastal Management

## **Navigators’ Council**

PRiMO Chair Bill Thomas, NOAA Office for Coastal Management  
PRiMO Vice-Chair Karl Kim, National Disaster Preparedness Training Center  
PRiMO Council Secretary Jeffrey Payne, NOAA Office for Coastal Management  
Cheryl Anderson, University of Hawai‘i at Mānoa Social Science Research Institute  
Chris Chiesa, Pacific Disaster Center  
Derek Chow, U.S. Army Corps of Engineers Civil and Public Works Branch, Honolulu  
Richard Ferrero, U.S. Geological Survey, Pacific Region  
Victoria Keener, Pacific Regional Integrated Sciences and Assessments, East-West Center  
Kristina Kekuewa, NOAA Office for Coastal Management  
David Kennard, Federal Emergency Management Agency Flood Insurance Mitigation Division  
John Marra, NOAA National Climatic Data Center  
Ed Young, NOAA National Weather Service  
Sally Ziolkowski, Federal Emergency Management Agency Flood Insurance Mitigation Division

## **Senior Advisors**

Eddie Bernard, Retired NOAA  
Stanley Boc, U.S. Army Corps of Engineers  
Margaret Davidson, NOAA  
John McCarroll, U.S. Environmental Protection Agency Pacific Islands Office  
Penehuro (Pene) Lefale, Bodeker Scientific  
Eileen Shea, Partnership for Pacific Resilience  
Michael Shulters, Retired U.S. Geological Survey

## **Hui Steerpersons**

### **Communications**

Jimmy Lagunero, University of Hawai‘i  
H. Ginger Porter, University of Hawai‘i

### **Health Security**

Deon Canyon, University of Hawai‘i

### **Indigenous Knowledge and the Environment**

Jean Tanimoto, NOAA Office for Coastal Management  
Ramsay Taum, Life Enhancement Institute of the Pacific

### **Information Access and Geospatial Technology**

Eric Yamashita, National Disaster Preparedness Training Center

### **Training and Education**

James Burke, National Disaster Preparedness Training Center

### **Risk Assessment and Planning**

Kitty Courtney, TetraTech  
Doug Harper, The Baldwin Group at NOAA

## At a Glance

<b>MONDAY, MARCH 23</b>				
Pre-Conference Trainings				
	<b>Room 304</b>	<b>Room 306A</b>	<b>Room 306B</b>	<b>Room 307</b>
8:00 a.m.	SECURING POST-DISASTER FOOD SUPPLY NETWORKS TRAINING	COMMIT TRAINING	PREPARING YOUR GRANT PROPOSAL: FUNDING RESILIENCE, ONE GRANT APPLICATION AT A TIME	
10:00 a.m.				READY TO RESPOND: HOW TO INCLUDE PEOPLE WITH DISABILITIES IN YOUR PLAN
12:00 p.m.				
1:00 p.m.	HURRICANE AWARENESS TRAINING			
5:00 p.m.	Pau			

*Note: Certified floodplain managers now have the opportunity to receive continuing education credits for attending parts of this year's conference. Floodplain managers will need to submit a packet of information to the Association of State Floodplain Managers, including proof of attendance and summary of the track sessions attended.*

## TUESDAY, MARCH 24

8:00 a.m.	Check In and Registration – Room 313					
	Continental Breakfast – Room 313					
8:30 a.m.	Pacific Risk Management 'Ohana Official Welcome and Opening – Room 313					
9:00 a.m.	Opening Plenary – RESILIENCE: HOW WILL WE KNOW? – Room 313					
9:45 a.m.	Photo – Fronting Room 313					
	<b>Room 304</b>	<b>Room 305</b>	<b>Room 306A</b>	<b>Room 306B</b>	<b>Room 307</b>	<b>Room 308</b>
10:00 a.m.	Break					
MORNING HUI SESSIONS	TRAINING AND EDUCATION HUI	INDIGENOUS KNOWLEDGE AND THE ENVIRONMENT HUI	COMMUNICATIONS HUI	HEALTH SECURITY HUI	INFORMATION ACCESS AND GEOSPATIAL HUI	RISK ASSESSMENT AND PLANNING HUI
10:30 a.m.						
12:00 p.m.	Lunch on Your Own					
CONCURRENT SESSIONS		INTERAGENCY ROUNDTABLE	COMMUNITY VULNERABILITIES AND RESILIENCE		TSUNAMI HAZARDS IN THE PACIFIC – UNDERSTANDING THE THREAT, COMMUNITY VULNERABILITIES, AND OPPORTUNITIES FOR RESILIENCE	EMERGENCY COMMUNICATIONS: FROM ALERT TO RESPONSE
1:30 p.m.		Invitation Only				
3:00 p.m.	Break					
CONCURRENT SESSIONS		CLIMATE CHANGE COMMUNICATION IN THE PACIFIC: LESSONS AND BEST PRACTICES		DISASTER MANAGEMENT: CURRENT HAZARDS IN HAWAI'I	UNMANNED AIRCRAFT SYSTEMS FOR DISASTER MANAGEMENT, CLIMATE CHANGE, AND OTHER USES	U.S. GEOLOGICAL SURVEY SCIENCE IN SUPPORT OF PACIFIC ISLAND COMMUNITY RESILIENCE
3:30 p.m.						
5:00 p.m.	Exhibitors Showcase and Networking Reception – <b>Room 313</b>					
7:00 p.m.	Pau					
<p><i>Note: Certified floodplain managers now have the opportunity to receive continuing education credits for attending parts of this year's conference. Floodplain managers will need to submit a packet of information to the Association of State Floodplain Managers, including proof of attendance and summary of the track sessions attended.</i></p>						

## At a Glance

<b>WEDNESDAY, MARCH 25</b>					
8:00 a.m.	Check In and Registration – Room 313				
	Continental Breakfast – Room 313				
9:00 a.m.	Opening and Welcome – Room 313				
9:15 a.m.	Keynote Speaker – Room 313				
	<b>Room 304</b>	<b>Room 305</b>	<b>Room 306A</b>	<b>Room 306B</b>	<b>Room 307</b>
10:00 a.m.	Break				
CONCURRENT SESSIONS  10:30 a.m.		SUPER TYPHOON YOLANDA (HAIYAN)	READINESS: TRAINING IDENTIFICATION PREPAREDNESS PLANNING	THE RISING PACIFIC: MEETING THE NEEDS OF PEOPLE WITH DISABILITIES AND OTHER MARGINALIZED GROUPS	INDIGENOUS KNOWLEDGE AND PRACTICES FOR RESILIENCE: SHARED INSIGHTS TO GUIDE OUR JOURNEY
12:00 p.m.	Awards Luncheon – Room 313				
CONCURRENT SESSIONS  1:30 p.m.	CLOSING THE GAP: INNOVATIVE PARTNERSHIPS TO BUILD RESILIENT COMMUNITIES	DAMAGE ASSESSMENT: LESSONS LEARNED AFTER ISELLE	COMMUNITY RESILIENCE PLANNING: LESSONS FROM HANAIEI	EL NIÑO IMPACTS TO PACIFIC ISLANDS AND URBAN COMMUNITIES	SHARING KNOWLEDGE ABOUT WATER AND CLIMATE
3:00 p.m.	Break				
CONCURRENT SESSIONS  3:30 p.m.	PLANNING FOR EMERGENCY EVACUATION	CROSS-SECTIONAL PANEL ON FOOD SECURITY	PACIFIC HEALTH SECURITY	EXTENDING BEST PRACTICES IN EARLY WARNING SYSTEMS FOR COMMUNITY RESILIENCE	ENHANCING SOCIO-ECONOMIC RESILIENCE AND RECOVERY THROUGH COMMUNITY-BASED NETWORKS
5:00 p.m.	Break				
5:30 p.m.	Showing of The Island President – <b>Lili'u Theater</b> Followed by a Question and Answer Session with Mohamed Nasheed, Former President of the Republic of the Maldives				
8:00 p.m.	Pau				
<p><i>Note: Certified floodplain managers now have the opportunity to receive continuing education credits for attending parts of this year's conference. Floodplain managers will need to submit a packet of information to the Association of State Floodplain Managers, including proof of attendance and summary of the track sessions attended.</i></p>					

## THURSDAY, MARCH 26

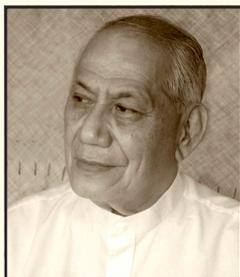
Room 313	
8:00 a.m.	Check In and Registration – Fronting Room 313
	Continental Breakfast – Fronting Room 313
8:30 a.m.	Pacific Risk Management ‘Ohana Welcome
9:00 a.m.	Keynote Speaker
10:30 a.m.	Break
10:45 a.m.	PANEL SESSION ON TOURISM AND THE PACIFIC
11:45 a.m.	Closing Protocol
1:00 p.m.	Field Trips – Various Locations
5:00 p.m.	Pau
<p><i>Note: Certified floodplain managers now have the opportunity to receive continuing education credits for attending parts of this year’s conference. Floodplain managers will need to submit a packet of information to the Association of State Floodplain Managers, including proof of attendance and summary of the track sessions attended.</i></p>	

# MEET OUR *Keynote Speakers*



## **His Highness Tui Atua Tupua Tamasese Efi, Ao o le Malo o Samoa (Head of State) of the Independent State of Samoa**

His Highness Tui Atua Tupua Tamasese Efi was born March 1, 1938, in Motootua, Samoa. He is the son of the late Head of State, His Highness Tupua Tamasese Mea'ole, and Her Highness Masiofo Noue Irene Gustava Ta'isi Nelson. His Highness is married to Her Highness Masiofo Filifilia Tamasese nee Imo, the daughter of the late Reverend Elder Iupati Imo and Mauinuuese Tofaeono Imo.



His Highness is the scion Sa Tupua family.

His Highness became Samoa's head of state in 2007 and was re-elected in 2012. Previously he was the prime minister of Samoa from 1976 to 1982 and served four terms as a member of Parliament.

His Highness served as the commissioner for the South Commission, established to help countries of the South to work together globally and headquartered in Geneva from 1987 to 1991. He also became the Ph.D. examiner of Samoan and Pacific History at the Australian National University in Canberra in 1991. Also in 1991, His Highness was the resident scholar for the Pacific Studies Centre of the Australian National University. In 2005, he was the adjunct professor for Awanuiorangi in New Zealand and Associate Member of the Matahauariki Institute and Waikato University. His Highness was also the Oceania Representative in the Pontifical Interreligious Dialogue Commission in 2005.

From March 2008 to December 2013, His Highness served as chancellor of the National University of Samoa.



## Mark Keim, M.D.



Mark Keim, M.D., is the founder and chief executive officer of DisasterDoc LLC, an international consulting firm located in Atlanta, Georgia.

Keim is recently retired from a career at the Centers for Disease Control and Prevention, where he served as the associate director for science for the Office for Environmental Health Emergencies at the National Center for Environmental Health. He is also an adjunct faculty member at Emory University, Rollins School of Public Health, and Harvard Medical School in the Disaster Medicine Fellowship.

Dr. Keim twice received the U.S. Department of Health and Human Services Secretary's Award for Distinguished Service for his work as co-lead of the Centers for Disease Control and Prevention emergency operations during the World Trade Center and anthrax letter emergencies in 2001 and again for Hurricane Katrina in 2006. In 2005, he received the Centers for Disease Control and Prevention Special Service Award for leading the U.S. health response in Indonesia after the Indian Ocean tsunami. In 2015, he was nominated for the prestigious United Nations Sasakawa award for Disaster Risk Reduction.

He has served as a member of the White House Subcommittee for Disaster Reduction from 2006 to 2015. He was review editor for the United Nations Intergovernmental Panel on Climate Change from 2009 to 2011. In 2014, Keim was a contributing author for the U.S. Global Change Research Program, Climate and Health Assessment.

Keim serves on the editorial board of four scientific journals and is a peer review consultant for 21 scientific journals. His press interviews have appeared in *CNN*, *USA Today*, the *Chicago Tribune*, *Los Angeles Times*, *Washington Post*, *The Lancet*, and *Scientific American*.

## Mohamed Nasheed, Former President of the Republic of the Maldives



Mohamed Nasheed was elected President of the Republic of the Maldives on October 28, 2008, defeating incumbent President Maumoon Abdul Gayoom, who ruled the Maldives from 1978 to 2008. Arrested, imprisoned, and tortured in the Maldives on numerous occasions for his political activities, Nasheed is widely credited with playing an instrumental part in bringing freedom and democracy to the Maldives.

On February 7, 2012, democratic progress in the Maldives suffered a major setback when President Nasheed was forced to resign the presidency under the threat of violence in a *coup d'état* perpetrated by an alliance between security forces loyal to the former dictator Maumoon Abdul Gayoom and minority Islamist activists.

Nasheed's early political career was dominated by his non-violent struggle for democracy in the Maldives. In 1990, he helped establish *Sangu*, a political magazine that scrutinized the ruling political class. Within its first year, the government banned the publication, and Nasheed was arrested and jailed for the first of many times. In 1991, Amnesty International declared Nasheed a "prisoner of conscience."

President Nasheed won the 2009 Anna Lindh Prize in recognition of his work promoting human rights, democracy, and environmental protection. In September 2009, *Time* magazine declared President Nasheed a "Hero of the Environment." In April 2010, the United Nations presented him with its "Champions of the Earth" environment award. In August 2010, *Newsweek* named President Nasheed in its list of "World's Ten Best Leaders."

## **Monday, March 23**

### **PRE-CONFERENCE TRAININGS**

**8:00 A.M. TO 5:00 P.M.**

**PREPARING YOUR GRANT PROPOSAL: FUNDING RESILIENCE, ONE GRANT APPLICATION AT A TIME**

» ..... **Room 306B**

**Hosts:**

National Oceanic and Atmospheric Administration Pacific Region Grant Cooperative  
Federal Emergency Management Agency.

Do you need help finding and applying for federal grant opportunities to support your resilience, sustainability, and hazard projects and community goals? This workshop will help PRiMO partners understand, find, and apply for different federal grant opportunities specific to Pacific communities. Participants, please come ready with questions and problems that you and your community are facing. In this training, we will work through the steps and provide the tips needed to write out an effective grant narrative. The first half of the workshop will focus on the different types of competitions and opportunities that NOAA and the Federal Emergency Management Agency typically offer in the Pacific region. The second half will take participants through a step-by-step process on accessing and applying for funding opportunities, tips on how to write a grant, and practice exercises to assist both novice and professional grant writers.

**8:00 A.M. TO 5:00 P.M.**

**COMMIT TRAINING**

» ..... **Room 306A**

**Hosts:**

National Oceanic and Atmospheric Administration Coastal Storms Program  
National Disaster Preparedness Training Center.

The Community Model Interface for Tsunamis (ComMIT) is a Web-based community model that provides tools for the construction of tsunami inundation maps using NOAA's database of event scenarios. The tool allows island nations access to modeling tools with an Internet-enabled interface. This interface enables users to run NOAA's Method of Splitting Tsunami model to assess model bathymetry accuracy (by comparing to tide gauge data from historical events) and to produce hazard assessments. Tsunami models (both deepwater propagation and inundation) require specific types of information. These include bottom and coastal topography, initial and boundary conditions, and model-run-specific information such as time-step, spatial resolution, and length of model run. Participants who have previously participated in this tool training or have access to the above data are invited to this daylong refresher training to take advantage of guidance from NOAA Center for Tsunami Research modelers to produce a short assessment for their region. Results from this workshop will be presented on Tuesday during the session, "Tsunami Hazards in the Pacific: Understanding the Threat, Community Vulnerabilities, and Opportunities for Resilience."

## Detailed Conference Agenda

**10:00 A.M. TO 12:00 P.M.**

### **READY TO RESPOND: HOW TO INCLUDE PEOPLE WITH DISABILITIES IN YOUR PLAN**

» ..... **Room 307**

**Host:**

University of Hawai'i Center on Disability Studies

Are you including everyone in your emergency preparedness plans? Come to this interactive workshop given by disability training consultants from the University of Hawai'i Center on Disability Studies and learn how to include persons with disabilities in natural disaster planning. The Hawai'i Emergency Preparedness Project's "Feeling Safe Being Safe" is a community-based program that provides emergency-preparedness training to individuals with disabilities and those with access and functional needs. This culturally responsive training is appropriate and adaptable for all individuals with disabilities. The following learning objectives are included: an introduction to this community-based emergency preparedness model; details on how to adapt culturally responsive training for individuals with access and functional needs into your community; and details on how to incorporate the power of personal stories into your plan and trainings. You will leave with inclusive emergency preparedness materials.

**8:00 A.M. TO 12:00 P.M.**

### **SECURING POST-DISASTER FOOD SUPPLY NETWORKS TRAINING**

» ..... **Room 304**

**Host:**

National Disaster Preparedness Training Center

The purpose of this four-hour training is to prepare communities for food emergencies brought on by sudden, catastrophic events affecting the supply and distribution of food. The event could be a hurricane, tsunami, or any other event that would cause a major disruption in the food supply chain. The course will emphasize response efforts during the initial days after a catastrophic event and emergency food-relief activities.

**1:00 TO 5:00 P.M.**

### **HURRICANE AWARENESS TRAINING**

» ..... **Room 304**

**Host:**

National Disaster Preparedness Training Center

This course provides participants with a basic understanding of hurricane science, forecasting, warning descriptions, and preparedness. The following topics will be covered: the conditions of tropical cyclone formation; predictions of track and intensity; official watch and warning definitions; and recommendations to prepare for associated hazards (such as high winds, heavy rain, and storm surge).

## Detailed Conference Agenda

# Tuesday, March 24

**8:00 TO 8:30 A.M.**

**Check In and Registration**

» ..... **Room 313.**

**8:00 TO 8:30 A.M.**

**Continental Breakfast**

» ..... **Room 313**

**8:30 TO 9:00 A.M.**

**Pacific Risk Management 'Ohana Official Welcome and Opening**

» ..... **Room 313**

**Speaker:**

**Bill Thomas**, Chair of the PRiMO Navigators' Council

**9:00 TO 9:45 A.M.**

## OPENING PLENARY

**RESILIENCE: HOW WILL WE KNOW?**

» ..... **Room 313**

**Speakers:**

**Jeffrey L. Payne**, National Oceanic and Atmospheric Administration

**Karl Kim**, National Disaster Preparedness Training Center

**Sandra Eslinger**, NOAA Representatives from the Federal Emergency Management Agency and the insurance industry

As the devastation from Post-Tropical-Cyclone Sandy and other coastal disasters demonstrates, there is a compelling need to prepare for future disasters in order to minimize the loss of life, property, and costs associated. We must expand the availability and application of scientific data, tools, services, and knowledge to enhance resilience and reduce vulnerability to extreme events, climate change and other long term change. The development and use of resilience indicators can provide a consistent means to identify vulnerabilities and understand where and how resilience investments can be targeted to yield the greatest impact, monitor progress over time, and reduce the economic, social, and environmental impacts of extreme events and changing conditions.

**9:45 TO 10:00 A.M.**

**2015 PRiMO PHOTO**

» ..... **Fronting Room 313**

## BREAK - 10:00 TO 10:30 A.M.

10:30 A.M. TO 12:00 P.M.

## MORNING HUI SESSIONS

### RISK ASSESSMENT AND PLANNING HUI

» ..... Room 308

**Steerpersons:**

**Kitty Courtney**, TetraTech

**Doug Harper**, The Baldwin Group at NOAA

This session explores methods, strategies, and best practices regarding natural hazard risk and vulnerability assessment, disaster risk reduction, and climate adaptation as well as their implications for sustainable planning and development practices.

### INFORMATION ACCESS AND GEOSPATIAL HUI

» ..... Room 307

**Steerperson:**

**Eric Yamashita**, National Disaster Preparedness Training Center

This session supports the collection and integration of hazards data, application of data framework and metadata standardization, and improvements in the accessibility and usability of risk management data and products.

### INDIGENOUS KNOWLEDGE AND THE ENVIRONMENT HUI

» ..... Room 305

**Steerpersons:**

**Jean Tanimoto**, NOAA

**Ramsay Taum**, Life Enhancement Institute of the Pacific

This hui ensures that PRiMO integrates traditional knowledge and modern science in a respectful and purposeful manner throughout the organization and other hui.

### HEALTH SECURITY HUI

» ..... Room 306B

**Steerperson:**

**Deon Canyon**, University of Hawai'i

This hui supports preparation for, and responses to, public health threats, minimizing the transboundary movement of disease.

### COMMUNICATIONS HUI

» ..... Room 306A

**Steerpersons:**

**H. Ginger Porter**, University of Hawai'i

**Jimmy Lagunero**, University of Hawai'i

This hui assists the providers of hazard and warning information in delivering their messages to every jurisdiction in a timely manner that is readily understood by the end users.

# Detailed Conference Agenda

## TRAINING AND EDUCATION HUI

» ..... Room 304

### Steerperson:

**James Burke**, National Disaster Preparedness Training Center

This hui improves coordination and encourages collaborative training efforts within agencies and across organizations through partnership development.

**12:00 TO 1:30 P.M.**

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## LUNCH ON YOUR OWN

**1:30 TO 3:00 P.M.**

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## CONCURRENT SESSIONS

### EMERGENCY COMMUNICATIONS: FROM ALERT TO RESPONSE

» ..... Room 308

#### Speakers:

**Artena Moon**, MoonCom (Lead)  
**Ed Young**, National Oceanic and Atmospheric Administration  
**Jimmy Languero**, University of Hawai'i  
**Ryan Hirae**, Hawai'i State Civil Defense

This session will focus on the lessons learned in emergency communications notification systems, planning, and response efforts, and interoperability challenges and tools to use to improve and resolve the gaps.

### TSUNAMI HAZARDS IN THE PACIFIC—UNDERSTANDING THE THREAT, COMMUNITY VULNERABILITIES, AND OPPORTUNITIES FOR RESILIENCE

» ..... Room 307

#### Speakers:

**Jamie Mooney**, Washington Sea Grant (Lead)  
**Vasily Titov**, NOAA Pacific Marine Environmental Lab  
**Christopher Moore**, NOAA Pacific Marine Environmental Lab  
**Maria Ngemaes**, NOAA, Palau  
**Ueneta Toorua**, Kiribati Meteorological Service  
**Eden Skilling**, NOAA, Pohnpei

The session will bring together previous participants of Community Model Interface for Tsunamis (ComMIT) training to showcase their results and to share information and insights with the end goal of increasing capacity to understand and model the tsunami hazard.

## Detailed Conference Agenda

ComMIT is a Web-based community model developed by NOAA's Pacific Marine Environmental Laboratory. It provides tools for the construction of tsunami inundation maps under different scenarios and for real-time tsunami forecast applications. ComMIT's Internet-based approach creates a virtual regional and global community of modelers using the same tools and approaches to understanding tsunami threats. It provides an avenue to transfer modeling expertise and capabilities to countries that are vulnerable to the tsunami hazard. As a critical tool for building tsunami resilient communities, ComMIT training has been offered throughout the Pacific Islands region since 2005.

### INTERAGENCY ROUNDTABLE

» ..... **Room 305**

#### Invitation Only

This invitation-only session aims to strengthen and expand the ongoing dialogue on disaster risk reduction in the Pacific and support federal, state, and local agencies, nongovernmental organizations, and the private sector in their efforts to create and enhance community resilience throughout the region. This session presents an opportunity to share successful experiences, forge new partnerships, and identify opportunities to strengthen and support coordination and collaboration. It will focus on issues of risk communication as it relates to preparation, response, and recovery from natural disasters, and its importance to building social capacity. The results of this session will help to guide PRiMO in developing strategies that help to prevent and mitigate harm from disasters, prepare the population before a disaster, disseminate information during disasters, and aid subsequent recovery.

### COMMUNITY VULNERABILITIES AND RESILIENCE

» ..... **Room 306A**

#### Speakers:

**Cindy Stein**, Real Medicine Foundation (Lead)

**Gregory Dever**, Pacific Island Health Officers Association

**Mark Keim**, DisasterDoc

**Michael Termini**, Navy Environmental and Preventive Medicine Unit Six

Nations, international organizations, and public and private stakeholders from around the world are coming to recognize that global health security (keeping the world safe and secure from infectious disease threats, climate change, and disasters) requires urgent attention and a significant investment to protect the future. Decision makers routinely assume that communities lack the capacity to facilitate response and recovery if provided the opportunity and appropriate resources. However, risk reduction begins and ends at the local level where impacts manifest. This session focuses on community resilience and how communities can become better prepared to deal with threats.

**BREAK – 3:00 TO 3:30 P.M. – PA KALOKA COURTYARD**

## Detailed Conference Agenda

3:30 TO 5:00 P.M.

### CONCURRENT SESSIONS

#### U.S. GEOLOGICAL SURVEY SCIENCE IN SUPPORT OF PACIFIC ISLAND COMMUNITY RESILIENCE

» ..... Room 308

##### U.S. Geological Survey Speakers:

**Rich Ferrero**, Lead  
**Gordon Tribble**  
**Steve Anthony**  
**Bob Rosenbauer**  
**Dave Helweg**

U.S. Geological Survey Science Centers in the Pacific Region are actively engaged in scientific research that provides valuable information to support community resilience. Our Pacific Islands Climate Science Center also provides scientific information, tools, and techniques to anticipate, monitor, and adapt to climate change. This session will raise awareness of risks important for community preparedness and resilience that come not only from the sea but also from land and water. Our goal is to explore these risks and introduce some of the U.S. Geological Survey science being developed to address them. We will combine a presentation format and general discussion, with audience participation encouraged. Hawai'i and low-lying atolls in the Pacific are particularly vulnerable to climate-change-induced sea level rise, leading to rapid erosion, higher tides, and storm surges. Dynamic modeling of sea level rise, which takes storm wind and wave action into account, provides a more accurate hazard assessment than passive, GIS-based inundation modeling. These tools help forecast where infrastructure, agricultural land, and groundwater resources may be threatened by repeated saltwater overwash.

#### UNMANNED AIRCRAFT SYSTEMS FOR DISASTER MANAGEMENT, CLIMATE CHANGE, AND OTHER USES

» ..... Room 307

##### Speakers:

**Jennifer Davidson**, National Disaster Preparedness Training Center (Lead)  
**Eric Yamashita**, National Disaster Preparedness Training Center (Lead)  
**Nicholas Turner**, Spatial Data Analysis and Visualization Labs, University of Hawai'i – Hilo  
**Ted Ralston**, Physical Sciences Inc., InstantEye Program  
**John "JC" Coffey**, NOAA  
**Ian Kitajima**, Oceanit

The panel will discuss ways that unmanned aircraft systems (also known as unmanned aerial vehicles or drones) can greatly benefit the work that PRiMO members engage in daily, including increasing resilience and addressing hazard and climate risks. Unmanned aircraft are an emerging technology with the potential to revolutionize disaster management, agriculture, conservation, marine sciences, transportation, meteorology, and many other industries. The panelists have used unmanned aircraft to conduct post-disaster damage assessments after Typhoon Haiyan in the Philippines, monitor lava flow in Hawai'i, conduct seabird and marine-debris surveys in the Pacific, and detect invasive species and erosion in Hawai'i. The ease of use and low cost of small unmanned aircraft systems mean that local governments, humanitarian organizations, and others will find many beneficial uses, such as search and rescue, transportation of medicine, real-time imaging of critical infrastructure, analysis of crop and vegetation health, and monitoring of plant and animal habitats. The panelists and session attendees will begin working together to ensure that future unmanned aircraft systems policies, regulations, and laws address their positive role in our fields and in the Pacific region. The panelists and attendees will also discuss how to develop integration strategies for bringing these systems into our existing practices and procedures, and how to collaborate with researchers and developers to ensure that the systems equipment optimizes unmanned aircraft systems use in our industries.

### CLIMATE CHANGE COMMUNICATION IN THE PACIFIC: LESSONS AND BEST PRACTICES

» ..... Room 305

#### Speakers:

**Kitty Courtney**, TetraTech (Lead)  
**Rebecca McNaught**, Pacific Red Cross Red Crescent Climate Centre  
**Adrienne Loerzel**, NOAA, Guam  
**Dana Okano**, NOAA, Commonwealth of the Northern Mariana Islands  
**Hideyo Hattori**, NOAA, American Samoa

As the science behind climate change becomes more settled, a major challenge has presented itself: How do you translate a topic as complex as climate change in a way that non-scientists can understand it and prepare in an intelligent manner? Nearly every jurisdiction in the world has struggled with this challenge and through both successes and failures numerous lessons have been learned. This session will look at how Pacific Island communities have had success and what lessons have been learned.

### DISASTER MANAGEMENT: CURRENT HAZARDS IN HAWAII'

» ..... Room 306B

#### Speakers:

**Karl Kim**, National Disaster Preparedness Training Center (Lead)  
**Dennis Hwang**, University of Hawai'i Sea Grant  
**Owen Shieh**, National Disaster Preparedness Training Center  
**Bruce Houghton**, National Disaster Preparedness Training Center  
**Chris Gregg**, East Tennessee State University  
**David Takeyama**, Oceanit  
**Clay Trauernicht**, University of Hawai'i

This session will address the current hazards and disaster management tools for damage assessment, and lessons learned for Hawai'i. The session includes a discussion on activities that are occurring in Puna to assist in the mitigation from future hazards and the recovery from existing hazards. These activities are addressing subsidence along coastal communities, Tropical Storm Iselle and its impacts, Kilauea and the lava flow, albizia tree issues, waste management after a disaster, and other hazards, including reducing the impacts of frequent and extensive wildfires in Hawaii's changing landscape.

**5:00 TO 7:00 P.M.**

## EXHIBITORS SHOWCASE AND NETWORKING RECEPTION

» ..... Room 313

#### Keynote Speaker:

Ao o le Malo o Samoa (Head of State) of the Independent State of Samoa, His Highness **Tui Atua Tupua Tamasese Efi**

#### Sponsors:

National Disaster Preparedness Training Center  
NOAA Office of National Marine Sanctuaries, Pacific Islands Regional Office

## Detailed Conference Agenda

# Wednesday, March 25

**8:00 TO 9:00 A.M.**

**Check in and Registration**

» ..... **Room 313**

**8:00 TO 9:00 A.M.**

**Continental Breakfast**

» ..... **Room 313**

**9:00 TO 9:15 A.M.**

**Opening and Welcome**

» ..... **Room 313**

**Speaker:**

**Karl Kim**, PRiMO Vice-Chair of the Navigator's Council

**9:15 TO 10:00 A.M.**

» ..... **Room 313**

**Keynote Speaker:**

**Mark Keim**, DisasterDoc

**BREAK – 10:00 TO 10:30 A.M.**

**10:30 A.M. TO 12:00 P.M.**

## CONCURRENT SESSIONS

**INDIGENOUS KNOWLEDGE AND PRACTICES FOR RESILIENCE:  
SHARED INSIGHTS TO GUIDE OUR JOURNEY**

» ..... **Room 307**

**Speakers:**

**Eileen Shea**, Partnership for Pacific Resilience (Lead)

**M. Kalani Souza**, Olohana Foundation

**Bill Thomas**, NOAA Office for Coastal Management

**Pene Lafale**, Bodeker Scientific

**Cheryl Anderson**, University of Hawai'i

**Daniel Wildcat**, Haskell Indian Nations University

## Detailed Conference Agenda

The year since our last PRiMO meeting has seen a number of meetings and significant events highlighting the singular nature and critical importance of indigenous knowledge and practices as a foundation for the sustained resilience of communities throughout the Pacific Islands region, the U.S., and around the world. This session will bring together participants in many of these events to share the insights and recommendations that emerged from these individual gatherings, with an eye toward charting a path forward. This is a talk story discussion of shared and unique lessons and how they can help serve as guideposts for future work.

### **SUPER TYPHOON YOLANDA (HAIYAN)**

»..... **Room 305**

#### **Speakers:**

**Jon Matsuoka**, Consuelo Foundation (Lead)  
**Dennis Hwang**, University of Hawai'i Sea Grant  
**Karl Kim**, National Disaster Preparedness Training Center

This panel discussion will provide a brief overview of the events leading up to and during the impact of Super Typhoon Yolanda to the Philippine Islands. The discussion will also include assessments of community needs and resilience and land use practices and design as well as lessons learned.

### **READINESS: TRAINING IDENTIFICATION PREPAREDNESS PLANNING**

»..... **Room 306A**

#### **Speakers:**

**James Burke**, National Disaster Preparedness Training Center (Lead)  
**Hank Lawson**, National Emergency Response and Rescue Training Center  
**Thomas Tucker**, National Center for Biomedical Research and Training  
**Tab Troxler**, National Center for Biomedical Research and Training  
**Jason Krause**, National Center for Biomedical Research and Training

This session will introduce the National Domestic Preparedness Consortium and will discuss its Readiness: Training Identification and Preparedness Planning program. This course teaches participants how to create effective training plans for their agencies and jurisdictions. By evaluating their abilities to meet their emergency operations plan using traditional and national preparedness tools, participants can answer the following critical readiness questions:

*How prepared do we need to be?*

*How prepared are we?*

*How do we prioritize efforts to close the difference?*

Agencies that plan and train together are much better equipped to successfully respond together. In this course, participants learn a jurisdiction training assessment process in which an integrated assessment team creates a jurisdictional profile and evaluates their abilities to meet their emergency operations plan. Participants are then able to identify and catalog training gaps and identify ways to close them by prioritizing training efforts, developing improvement plans and implementing a course of action.

## Detailed Conference Agenda

### THE RISING PACIFIC: MEETING THE NEEDS OF PEOPLE WITH DISABILITIES AND OTHER MARGINALIZED GROUPS

» ..... Room 306B

#### Speakers:

**Charmaine Crockett**, Center on Disabilities Studies (Lead)

**Yoko Kitami**, University of Hawai'i

**Nancy Davis Lewis**, East-West Center

**Ed Young**, National Oceanic and Atmospheric Administration

**Landa Phelan**, Business Owner

The impacts of climate change negatively affect millions of people with disabilities, many of whom are marginalized, live in poverty and do not have access to information. The goals of this panel discussion aim to educate and illuminate the myriad of issues as they relate to vulnerable populations, while inspiring multi-stakeholders to move toward more inclusive risk management strategies, education and training activities, and accessible communication plans. The panelists will deliver a broad overview of disability in the Pacific as it relates to development, climate change, and emergency preparation; outline recent projects that have empowered people with disabilities to take control of emergency preparedness; and offer recommendations for inclusive capacity building, including strategies that include people with disabilities during the planning and implementation stages of disaster management. We will also identify innovative approaches people with disabilities have implemented, mirroring extraordinary buoyancy and resilience in the face of harsh climate realities. Disability issues should intersect with all present and future sustainable development goals and areas of climate related concern as we venture into the "climate unknown." We all need to be prepared, and consider vulnerable populations as partners in our collective quest for human security and resilience in an unstable world.

**12:00 TO 1:30 P.M.**      =====

## AWARDS LUNCHEON - ROOM 313

**1:30 TO 3:00 P.M.**      =====

## CONCURRENT SESSIONS

### CLOSING THE GAP: INNOVATIVE PARTNERSHIPS TO BUILD RESILIENT COMMUNITIES

» ..... Room 304

#### Speakers:

**Celeste Connors**, Johns Hopkins University School of Advanced International Studies (Lead)

**Mike Hamnett**, Hawai'i Hazard Mitigation Forum and the Research Corporation of the University of Hawai'i

**Athline Clark**, U.S. Army Corps of Engineers

**Steward Sarkoszy-Banoczy**, Context Partners

**Dolan Eversole**, University of Hawai'i Sea Grant College Program

Resilience is not only a priority in times of crisis. Communities around the world, particularly island states, are increasingly vulnerable to severe weather events and face high-costs of repairing or building critical infrastructure. Using the U.S. Army Corps of Engineers Ala Wai Canal Flood Risk Management Feasibility Study as a case study, the panelists will survey and explore how innovative partnerships and new public policy solutions can close the gap between the Pacific Islands' exposure to climate-related severe weather events and the investment—both public and private—needed to deploy sustainable

## Detailed Conference Agenda

and resilient infrastructure solutions. The panel will also summarize outcomes of a workshop held in January 2015, “Mitigating Catastrophic Risk and Building Resilience in the Ala Wai Watershed.” The panel discussion will include representatives from a variety of sectors who will discuss innovative mechanisms that allow for the design of resilient infrastructure solutions. The panelists will highlight how robust collaboration across stakeholder communities and new partnerships support community resilience.

### SHARING KNOWLEDGE ABOUT WATER AND CLIMATE

» ..... Room 307

#### Speakers:

**Ethan Allen**, Pacific Resources for Education and Learning (Lead)

**Koh Ming Wei**, Pacific Resources for Education and Learning

**Corrin Barros**, Pacific Islands Climate Education Partnership and Pacific Resources for Education and Learning

Storytelling is a traditional and central way of communicating for many Pacific Island communities. Storytelling can make global issues, like climate change and water security, more relatable to learners. Through stories of change told by elders, young people can see the visible impacts of a global issue on local, familiar places. Staff members from Pacific Resources for Education and Learning will discuss how two current projects—Water for Life and the Pacific Islands Climate Education Partnership—are using storytelling as a way to capture and share observations of change and how communities are responding. Working through formal and informal education sectors, through melding modern science with traditional Pacific Island local knowledge, both projects focus on building communities’ capacities, leadership, and resilience. The interlinked issues of climate change and water availability create a natural springboard for stimulating community members’ engagement in learning about, and taking action on, these topics that so powerfully impact residents’ futures. The speakers will share examples of Water for Life projects: these include reviving and enhancing natural surface watersheds; protecting and improving groundwater springs; cleaning, repairing, and installing first flush diverters on rainwater catchment systems; engaging K-12 students in water quality monitoring; and engaging policy makers in planning for a potential El Niño event. These stories illustrate how diverse members of island communities are working together to enhance their water security and prepare for extreme weather events. As a network of partners working to improve climate education, the Pacific Islands Climate Education Partnership is supporting educators and learners by creating visually rich resources, teacher professional development, and standards review and revision. Within all activities, the organization recognizes the importance of local knowledge in learning about one’s environment, how it’s changing, and ways to adapt. The organization is exploring ways to bring this local ecological knowledge into classroom learning by capturing and teaching with climate change stories.

### DAMAGE ASSESSMENT: LESSONS LEARNED AFTER ISELLE

» ..... Room 305

#### Panelists:

**David Takeyama**, Oceanit (Lead)

**George Burnett**, Hawai’i State Civil Defense

**Doug Mayne**, Hawai’i State Civil Defense

**Royce Shiroma**, County of Hawai’i Office of Housing and Community Development

**Susan Akiyama**, County of Hawai’i Office of Housing and Community Development

**Ian Kitajima**, Oceanit

This panel session is on lessons learned from the Hurricane Iselle damage assessment process. Iselle was the first major incident since Hurricane Iniki and the first time where next generation damage assessment tools and social media were used for a real incident. Invaluable lessons learned about what went right and what can be improved in the future emerged from the incident. The panel will consist of a team of players involved with the Iselle damage assessment effort on the Big Island.

## Detailed Conference Agenda

### EL NIÑO IMPACTS TO PACIFIC ISLANDS AND URBAN COMMUNITIES

» ..... Room 306B

#### Speakers:

**Owen Shieh**, National Disaster Preparedness Training Center (Lead)  
**Imes Chiu**, Center for Excellence in Disaster Management and Humanitarian Assistance  
**Charles “Chip” Guard**, NOAA National Weather Service, Guam  
**Rashad Chowdhury**, Pacific El Niño Southern Oscillation Applications Climate Center  
**Tom DiLiberto**, NOAA Climate Prediction Center  
**Barry Choy**, NOAA

Every few years, sea surface temperatures in the central and eastern equatorial Pacific become anomalously warm. This changes the atmospheric circulation around the globe, resulting in shifts in the location and frequency of storms and exacerbating climate-scale events such as drought and precipitation extremes. Widespread water shortages in the western tropical Pacific can lead to agricultural loss, food insecurity, and wildfires and can threaten the livelihoods of millions and cost economies billions. Shifts in tropical cyclone formation can increase the threat to Guam, the Commonwealth of the Northern Mariana Islands, Hawai‘i, and other islands usually located east of the greatest tropical cyclone activity. Changes in the location of fisheries can result in geopolitical disputes.

*What is the nature of the El Niño phenomenon?*

*What can communities around the Pacific do to prepare for El Niño impacts?*

*How do we better improve communication to clarify the hazards associated with El Niño?*

*What can both island communities and urban environments do to mitigate and adapt to El Niño hazards?*

*What other climate variability and climate change concerns can be addressed together with the El Niño problem?*

The goal of this session is to consider these questions and formulate a set of recommendations to better assess and mitigate the risks associated with El Niño to Pacific Island and urban communities.

### COMMUNITY RESILIENCE PLANNING: LESSONS FROM HANALEI

» ..... Room 306A

#### Speakers:

**Maka‘ala Kaaumoana**, Hanalei Watershed Hui (Lead)  
**Sarah Henley Shephard**, Disaster Resilience LLC  
**Cheryl Anderson**, University of Hawai‘i Hazards Climate Environment Program  
**Andy Hood**, Sustainable Resources Group International  
**Mark Marshall**, County of Kaua‘i Civil Defense  
**Beth Tokioka**, County of Kaua‘i

Hanalei has a distinguished history of remembering its past and planning for its future. Efforts to identify and protect important places and engage the community in planning for the future have been ongoing for over fifty years. Currently implementing the Hanalei Watershed Action Plan, the Hanalei Watershed Management Plan, the Hanalei to Ha‘ena Disaster Resilience Plan, and the Kaua‘i Hazard Mitigation Plan, the Hanalei Watershed Hui and its partners tell the story of community based resilience planning.

**BREAK – 3:00 TO 3:30 P.M. – PA KALOKA COURTYARD**

**3:30 TO 5:00 P.M.**

### CONCURRENT SESSIONS

#### PLANNING FOR EMERGENCY EVACUATION

» ..... Room 304

**Speakers:**

**Karl Kim**, National Disaster Preparedness Training Center (Lead)  
**Pradip Pant**, University of Hawai'i  
**John Renne**, University of New Orleans  
**Brian Wolshon**, Louisiana State University

This session brings together current research and leading experts in emergency evacuation planning, preparedness, and response. It will touch upon the fields of planning, transportation needs assessment, risk analysis, emergency and risk management, modeling of comprehensive evacuation plans, and a discussion on evacuation planning to accommodate the needs of all people before, during, and after a disaster. The speakers will foster an interdisciplinary exchange of ideas on a range of evacuation issues. Through dialogue, the speakers and participants will take an important step toward more efficient and effective evacuation planning, especially when taking into account islands, states, and nations.

#### ENHANCING SOCIO-ECONOMIC RESILIENCE AND RECOVERY THROUGH COMMUNITY-BASED NETWORKS

» ..... Room 307

**Speakers:**

**Josh Bruce**, University of Oregon, Oregon Partnership for Disaster Resilience (Lead)  
**Laura Biggs**, University of Guam Sea Grant (Lead)  
**Jamie Mooney**, Washington Sea Grant (Lead)  
**Dawn Kotowicz**, NOAA Pacific Islands Regional Office  
**Jessie McGrath**, Washington Department of Ecology

The primary purpose of this session is to connect with PRiMO partners and professionals who engage local community leadership networks (or other relevant community stakeholders) on the topics of socio-economic resilience and disaster recovery. The following session goals are included: to solicit, document, and apply lessons learned from PRiMO partners who have directed or participated in resilience networking efforts; to discuss approaches to, and document examples of, local (small, coastal-city scale) collaboration; and to expand our network of professional colleagues working on socio-economic resilience in coastal communities. A working group format will provide 15 minutes of background on Oregon's project, followed by presentations. These presentations cover Guam's survey results regarding perspectives on hazards vulnerability and available mitigation resources; Washington State's partnership with the Federal Emergency Management Agency through the development of their Coastal Hazards Resilience Network; and an additional half-hour of facilitated feedback and discussion. We will organize sets of questions in three to four distinct themes (such as community based networks, disaster recovery planning, social and economic resilience, stakeholder engagement, and others). We will leave 15 minutes at the end of the session for work group members to offer "Questions we didn't ask, but should have." The Oregon Partnership for Disaster Resilience will document feedback obtained during the session and provide a summary report back to PRiMO following the conference.

## Detailed Conference Agenda

### CROSS-SECTIONAL PANEL ON FOOD SECURITY

» ..... Room 305

#### Speakers:

**Elayne Saejung**, National Disaster Preparedness Training Center (Lead)

**Mike Moody**, Louisiana State University

**David Goldenberg**, University of California, Davis

According to the U.S. Department of Agriculture, 17.5 million U.S. households were considered food insecure in 2013. These vulnerable households, which consist of 49.1 million people, struggle to have enough food under current economic conditions. During and after a natural disaster, food insecurity threatens not only the large number of those persons currently vulnerable, but also the population at large. Factors of concern include availability, access, utilization, safety, and nutrition. These factors often require collaborative planning efforts between community partners to prepare for the immediately affected populations and the potential for widespread national and international impact. The goal of this panel is for community partners to begin, or continue, the collaborative process of food security planning in order to adequately prevent, mitigate, respond to, and recover from, a disaster.

### EXTENDING BEST PRACTICES IN EARLY WARNING SYSTEMS FOR COMMUNITY RESILIENCE

» ..... Room 306B

#### Speakers:

**Jainey Bavishi**, R3ADY Asia-Pacific (Lead)

**Heather Bell**, Pacific Disaster Center

**Cheryl Anderson**, University of Hawai'i Hazards Climate Environment Program

R3ADY Asia-Pacific (formerly the APDR3 Network), the Pacific Disaster Center, and the University of Hawai'i Social Science Research Institute have worked with local partners in Indonesia to understand the ways in which successful community-based, multi-hazard early warning systems could be shared and adapted to other communities and supported through all levels of government. This session will share the findings from this project and explore how the lessons can be applied to other communities.

### PACIFIC HEALTH SECURITY

» ..... Room 306A

#### Speakers:

**Elizabeth Erickson**, U.S. Pacific Command, Office of the Command Surgeon

**Benjamin Ryan**, International Federation of Environmental Health

**Danny, Shiau**, U.S. Pacific Command, Office of the Command Surgeon

**Tom Crabtree**, Aspen Medical

Disaster resilience is everyone's business and is a shared responsibility among citizens, the private sector, and government. Increasing resilience to disasters requires bold decisions and actions that may pit short-term interests against longer-term goals. It also requires an interdisciplinary approach combining government, non-profit, regulatory, and military sectors. This global effort must leverage capabilities and resources across the health and security sectors to enhance preparedness and capacity for countering threats, no matter the cause. It is important that we understand each other, harmonize our efforts, identify what works, and measure our progress. This session focuses on U.S. Pacific Command, infectious and chronic diseases, international health regulations, and crisis response.

**BREAK – 5:00 TO 5:30 P.M. – PA KALOKA COURTYARD**

**5:30 TO 8:00 P.M.**

**Screening of *The Island President*, Followed by Question and Answer Session with Mohamed Nasheed, Former President of the Republic of the Maldives**

» ..... **Lili'u Theater**

**Sponsor:** R3ADY Asia-Pacific

*The Island President* is the story of Mohamed Nasheed, former President of the Republic of the Maldives and a man confronting a problem greater than any other world leader has ever faced—the literal survival of his country and everyone in it. After bringing democracy to the Maldives following thirty years of despotic rule, Nasheed is now faced with an even greater challenge: As one of the most low-lying countries in the world, a rise of three feet in sea level would submerge the 1200 islands of the Maldives enough to make them uninhabitable. *The Island President* captures Nasheed's first year in office, culminating in his trip to the Copenhagen Climate Summit in 2009, where the film provides a rare glimpse of the political horse-trading that goes on at such a top-level global assembly. Nasheed is unusually candid about revealing his strategies—leveraging the Maldives' underdog position as a tiny country, harnessing the power of media, and overcoming deadlocks through an appeal to unity with other developing nations. When hope fades for a written accord to be signed, Nasheed makes a stirring speech that salvages an agreement. Despite the modest size of his country, Mohamed Nasheed has become one of the leading international voices for urgent action on climate change. (source: *theislandpresident.com*).

## Thursday, March 26

**8:00 TO 8:30 A.M.**

**Check In and Registration**

» ..... **Fronting Room 313**

**8:00 TO 8:30 A.M.**

**Continental Breakfast**

» ..... **Room 313**

**8:30 TO 9:00 A.M.**

**Opening and Pacific Risk Management 'Ohana Welcome**

» ..... **Room 313**

**Speaker:**

**Bill Thomas**, Chair of the PRiMO Navigators' Council

**9:00 A.M. TO 10:30 A.M.**

**Keynote Speaker:**

**Mohamed Nasheed**, Former President of the Republic of the Maldives

» ..... **Room 313**

## Detailed Conference Agenda

### **BREAK – 10:30 A.M. TO 10:45 A.M.**

#### **10:45 A.M. TO 11:45 A.M.**

##### **PANEL SESSION: TOURISM AND THE PACIFIC**

» ..... **Room 313**

##### **Speakers:**

**Jainey Bavishi**, R3ADY Asia Pacific (Moderator)

**Doug Mayne**, Hawai'i State Civil Defense

**Rick Egged**, Waikiki Improvement Association

#### **11:45 A.M. TO 12:00 P.M.**

##### **Closing Protocol**

» ..... **Room 313**

#### **1:00 TO 5:00 P.M.**

##### **Field Trip: Hawai'i Sea Level Rise Risks and Hazard Planning**

##### **Host:**

**Dolan Eversole**, University of Hawai'i Sea Grant

Fieldtrip Option A: Tour of urban Honolulu will include site visits within Waikiki, Ala Wai Canal, Magic Island, Kaka'ako, and Honolulu Harbor.

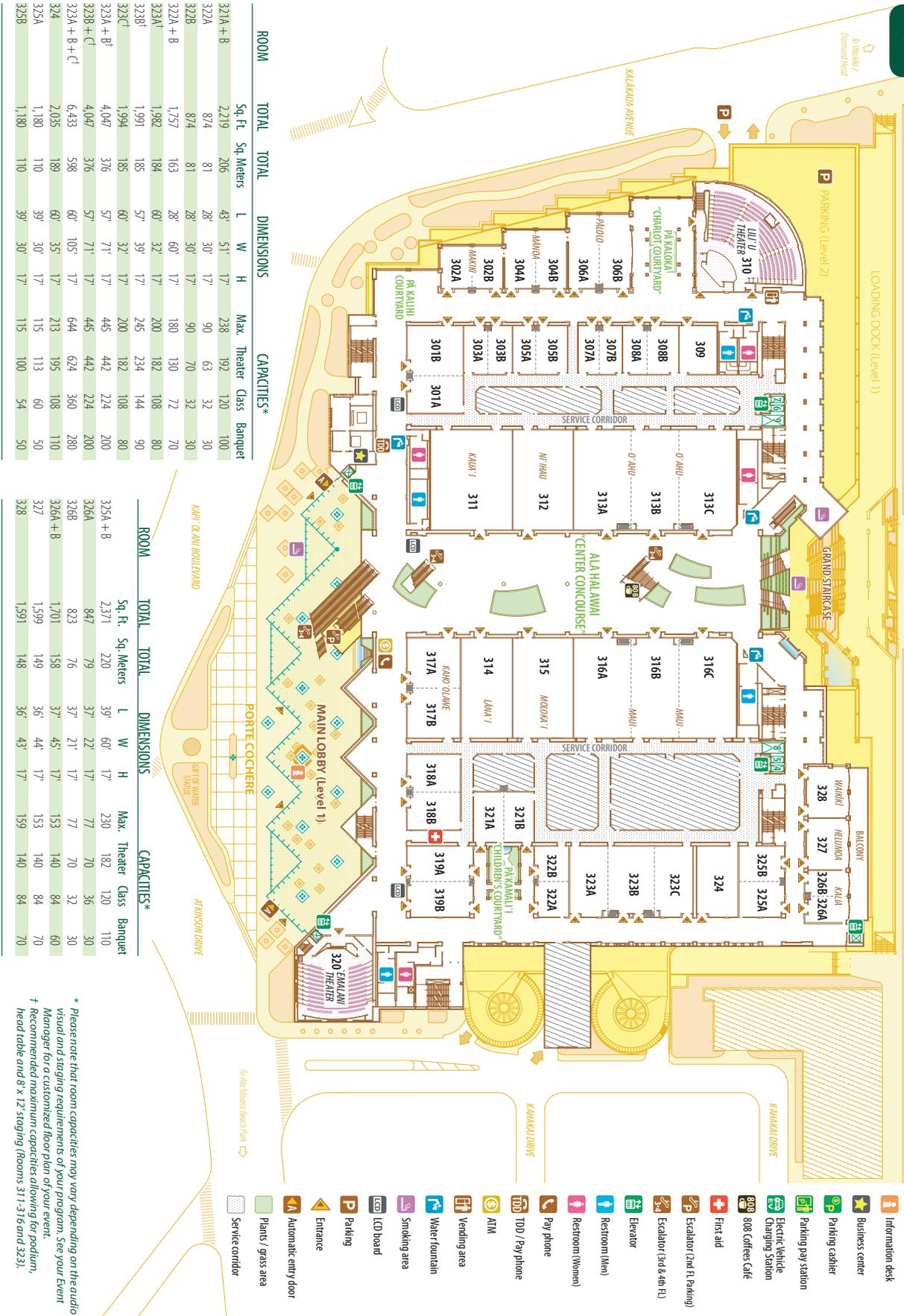
Fieldtrip Option B: Tour of Kailua Town will include Kaiwainui Marsh, Kailua beach, and Lanikai beach.



# 3

## Level

### MEETING ROOMS / THEATERS



ROOM	TOTAL	TOTAL	DIMENSIONS			CAPACITIES*		
	Sq. Ft.	Sq. Meters	L	W	H	Max.	Theater	Class
327A+B	2,219	206	43'	51'	17'	238	192	120
327A	874	81	28'	30'	17'	90	63	32
327B	1,345	125	28'	30'	17'	90	70	30
322A+B	1,757	163	28'	60'	17'	180	130	72
323A†	1,982	184	60'	32'	17'	200	182	108
323B†	1,991	185	57'	39'	17'	245	234	144
323C†	1,994	185	60'	32'	17'	200	182	108
323A+B†	4,047	376	57'	71'	17'	445	442	224
324	6,433	598	60'	105'	17'	644	624	360
325A	2,035	189	60'	35'	17'	213	195	108
325B	1,180	110	39'	30'	17'	115	113	60
325B	1,180	110	39'	30'	17'	115	100	54

ROOM	TOTAL	TOTAL	DIMENSIONS			CAPACITIES*		
	Sq. Ft.	Sq. Meters	L	W	H	Max.	Theater	Class
325A+B	2,371	220	39'	60'	17'	230	182	120
326A	847	79	37'	22'	17'	77	70	36
326B	823	76	37'	21'	17'	77	70	32
326A+B	1,701	158	37'	45'	17'	153	140	84
327	1,599	149	36'	44'	17'	153	140	84
328	1,591	148	36'	43'	17'	159	140	84

\* Please note that room capacities may vary depending on the audio visual and staging requirements of your program. See your Event Manager for a customized floor plan of your event.  
 † Recommended maximum capacities allowing for podium, head table and 8' x 12' staging (Rooms 311, 316 and 323).

## LEGEND

- Information desk
- Business center
- Parking cashier
- Parking pay station
- Electric Vehicle Charging Station
- 800 808 Coffee Café
- First aid
- Escalator (2nd Fl parking)
- Escalator (3rd & 4th Fl)
- Elevator
- Restroom (Men)
- Restroom (Women)
- Pay phone
- TDD / Pay phone
- ATM
- Vending area
- Water fountain
- Smoking area
- LCD board
- Parking
- Entrance
- Automatic entry door
- Plants / grass area
- Service corridor

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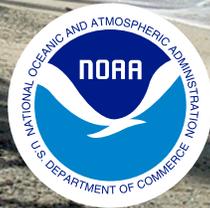
# **NOAA in the Pacific Supports PRiMO**

**NOAA Office for Coastal Management**

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**NOAA National Weather Service Pacific Region Headquarters**

**NOAA Pacific Islands Regional Team**



# R3ADY ASIA-PACIFIC

formerly APDR3, Asia Pacific Disaster Risk Reduction & Resilience Network

## R3ADY is proud to partner with PRiMO for a successful 2015 conference

### Formerly the APDR3 Network

R3ADY was previously called the Asia Pacific Disaster Risk Reduction and Resilience, or APDR3, Network. Our original name was a mouthful, and we needed to rebrand to be impactful on a global scale. Since we wanted to retain some part of our original identity, we decided to include the "R3", which stands for risk reduction and resilience, in our new name.

### Our Mission

R3ADY Asia-Pacific is committed to reducing the risks of natural disasters and building resilient communities and economies through innovative and strategic partnerships. R3ADY does this by identifying key knowledge and information gaps and promoting solutions and innovations to advance community and economic resilience. We bring together diverse partners in government, business, civil society, philanthropy, academia and the military.



#### ALIGN

the resources and expertise of multiple sectors and industries



#### BUILD

knowledge for informed action



#### DESIGN

effective solutions and strategies spurred by a shared responsibility

...in order to **STRENGTHEN** resilience in the Asia-Pacific region.

SIGN UP FOR UPDATES AT [WWW.R3ADY.ORG](http://WWW.R3ADY.ORG)



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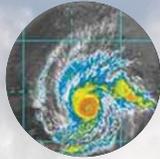
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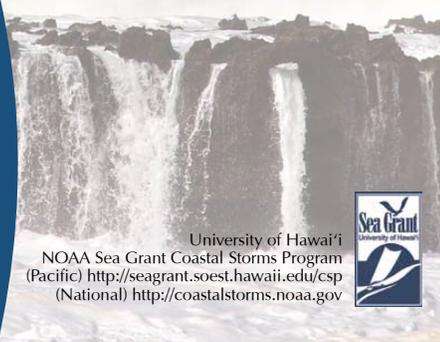
# NOAA Sea Grant COASTAL STORMS PROGRAM

Pacific Islands Region



*Fostering Community  
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USGS Pacific Regional Director, Acting

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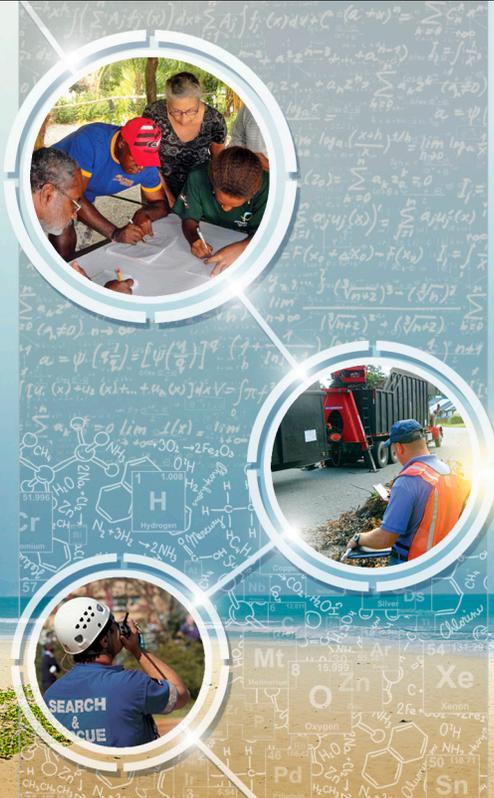
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