



PRiMO

PACIFIC RISK MANAGEMENT 'OHANA

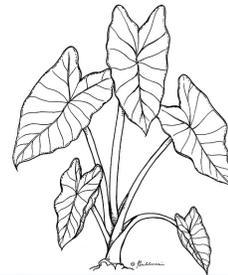
Building Communities of
Practice for Resilience

PRiMO 2014

*Brought to you by PRiMO and
the Partnership for Pacific Resilience*

Conference Program

March 11 - 13, 2014



Agenda at a Glance

Tuesday, March 11

8:00 a.m.	Check-In and Continental Breakfast
9:00 a.m.	Group Welcome
8:00 to Noon	Hui Working Sessions
Noon to 1:30 p.m.	Lunch on Your Own
1:30 to 3:00 p.m.	Opening Plenary
3:00 to 3:30 p.m.	Break and Group Photo
3:30 to 5:00 p.m.	Concurrent Sessions
5:00 to 7:00 p.m.	Exhibitors' Showcase and Networking Reception

Wednesday, March 12

8:00 a.m.	Check-In and Continental Breakfast
8:30 to 10:00 a.m.	Opening, Welcome, and Plenary Session
10:00 to 10:30 a.m.	Break
10:30 a.m. to Noon	Concurrent Sessions
Noon to 1:30 p.m.	Award Luncheon
1:30 to 3:00 p.m.	Concurrent Sessions
3:00 to 3:30 p.m.	Break
3:30 to 5:00 p.m.	Concurrent Sessions
5:00 to 6:00 p.m.	NDPTC Networking Event
6:00 to 7:00 p.m.	Governor's Resilient Hawaii Forum

Thursday, March 13

8:00 a.m.	Check-In and Continental Breakfast
8:30 to 10:00 a.m.	Opening, Welcome, and Plenary Session
10:00 to 10:30 a.m.	Break
10:30 to Noon	Concurrent Sessions
Noon to 1:30 p.m.	Lunch on Your Own
1:30 to 3:00 p.m.	Working Sessions
3:00 to 3:30 p.m.	Break
3:30 to 4:30 p.m.	Working Sessions
4:30 to 5:00 p.m.	Closing

A Note from the Chair

March 11, 2014

Aloha,

I'm glad to have this opportunity to welcome you to the twelfth Pacific Risk Management 'Ohana (PRiMO) Partners meeting, *Building Communities of Practice for Resilience*, and to thank you for being a member of our 'Ohana.

This year not only marks twelve years of PRiMO, it is also a year of evolutionary accomplishment for our organization: we have launched a nonprofit 501(c)3 organization, Partnership for Pacific Resilience (PPR). PPR will help PRiMO and its members advance disaster resiliency goals. In fact, this year's event is co-organized by PRiMO and PPR.

As in the past, this annual meeting offers each of us a number of 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"—Hawaii. Our theme, *Building Communities of Practice for Resilience*, is particularly timely as we consider the impacts of recent events such as Typhoon Haiyan in the Philippines. There are always lessons to be learned as we work together toward mitigating the impacts of similar future events.

As you contemplate the full schedule of events this week, I want to draw your attention to a few "can't miss" events:

Tuesday, 1:30 pm: Don't miss the **Conference Opening and Keynote Presentation** by Dr. Christine M. Kenney titled "Ngā Tangata Whenua; Ngā Parekura: Māori approaches to addressing risks and resilience within Aotearoa New Zealand".

Tuesday, 5 pm: Please join us at the **Exhibitors' Showcase and Networking Reception**, hosted by the Asia Pacific Disaster Risk Reduction and Resilience Network. This year we are honored to have the opportunity to host President Anote Tong, Kiribati, as a special guest. This is also a great time to meet new members of the PRiMO 'Ohana, connect with long-time colleagues, and visit with our sponsors.

Wednesday, 12:00 pm: I hope to see you at the **Annual Award Luncheon** where you can help us recognize and honor those who have gone the extra mile to advance the goals and the mission of PRiMO.

Wednesday, 6:00pm: Meet colleagues, new and old, during a **Networking Reception**, hosted by the National Disaster Preparedness Training Center. After the reception, at 6:00 p.m., Hawaii Governor Abercrombie invites you to join him to attend the second **Resilient Hawaii Forum**, a free and open session to provide input on how the federal government can better support state and local climate mitigation, adaptation, and resilience efforts.

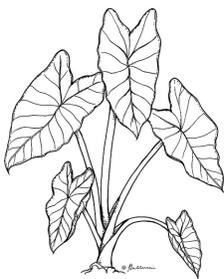
Thursday, 1:30 pm: We all know the real work gets done after the conference sessions and the networking events. Don't miss the **Talk Story with a Purpose** sessions to discuss the issues in depth and develop action plans that are meaningful to you!

Of course, we have a number of concurrent tracks, panel sessions, and workshops which provide opportunities to learn, to share, and to engage. I look forward to joining you throughout the week. Thanks again for your participation.

Sincerely,



Chris Chiesa
Chair, PRiMO Navigators' Council



Tuesday, March 11

	Maui (316)	317A	317B	318A	318B	319A
8:00	Check-In and Continental Breakfast					
9:00		Welcome, opening remarks, and find your hui!				
9:15		Indigenous Knowledge and the Environment Hui The IKE Hui ensures that PRiMO integrates traditional knowledge and modern science in a respectful and purposeful manner throughout the organization and other huis.	Risk Assessment and Planning Hui This hui explores planning methods, strategies, and best practices regarding natural hazard risk and vulnerability assessments, disaster risk reduction, and climate adaptation.	Communications Hui 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.	Information Access and Geopstial Hui This hui supports the collection and integration of hazards data, application of data framework and metadata standardization, and improvements in the accessibility and usability of data and products.	Training and Education Hui This hui improves coordination and encourages collaborative training efforts within agencies and across organizations through partnership development.
12:00	Lunch on Your Own					
1:30	Conference Opening					
2:00	Dr. Christine M. Kenney <i>“Ngā Tangata Whenua; Ngā Parekura: Māori approaches to addressing risks and resilience within Aotearoa New Zealand”</i>					
3:00	Group Photo and Break (outside of Maui 316)					
3:30	Exhibit Hall Open	The Power of People: Harnessing Strength in Numbers to Face Local Coastal Hazards	Amateur Radio Emergency Communication Capabilities in a Disaster	Coastal Watch Communities	Interagency Roundtable By Invitation Only	Indigenous Preparedness in Two Parts: Part A: Partnerships (Room 319B)
5:00	Exhibitors' Showcase and Networking Reception Hosted by the Asia Pacific Disaster Risk Reduction and Resilience Network Reception Speaker: President Anote Tong, Kiribati					

Wednesday, March 12

	Maui (316)	317A	317B	318A	318B	319A
8:00	Check-In and Continental Breakfast					
8:30	Opening and Welcome					
9:00	Jay Wilson "The Oregon Resilience Plan - Overcoming Inertia and Walking the Talk"					
10:00	Break					
10:30	Exhibit Space Open	State of Hawaii Common Operating Picture	Hawaii Hazards Awareness & Resilience Program	Data, Data, Data!	Natural Resource Protection and Restoration for Disaster Management	Indigenous Preparedness in Two Parts. Part B: Initiatives (Room 319B)
12:00	Award Luncheon					
1:30	Exhibit Space Open	Post-Disaster Reconstruction Planning: An Emerging Example from Maui, Hawaii	Homegrown Technologies and Resilience	Reducing Drought Risks in Hawaii and Pacific Islands	Pacific Century Sustainability Program	Public-Private Partnerships for Resilience: Opportunities and Pitfalls of Multi-Sectoral Collaboration
3:00	Break					
3:30	Exhibit Space Open	Climate Change Impacts on Health Security in the Pacific	Cross-Island Community-based Resilience Initiatives: Sharing Lessons & Sparking Collaboration	Maps, Maps, Maps!	Media Messaging	Rising Seas and Eroding Coasts: Addressing the Impacts of Sea Level Change on Coastal Infrastructure in Pacific Island Communities (Room 319B)
5:00	Pau					
5:00	Evening Networking Reception Hosted by the National Disaster Preparedness Training Center					
6:00		Resilient Hawaii Forum				

Thursday, March 13

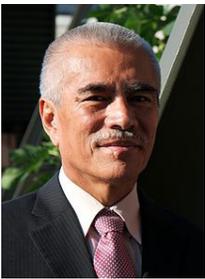
	Maui (316)	317A	317B	318A	318B	319A
8:00	Check-In and Continental Breakfast					
8:30	Opening and Welcome					
9:00	Herb Lee, Jr. Pacific American Foundation					
10:00	Break					
10:30	Exhibit Space Open	Critical Issues for Small Islands: Climate Change and Water	Application of Coastal Hazard Mitigation and Climate Change Adaptation: Practical Examples and Case Studies from Around the Region	Mitigation Planning Workshop	Unique Needs of Children in Disasters	
12:00	Lunch on Your Own					
1:30	Exhibit Space Open	Talk Story with a Purpose: The Party Where the Real Work Gets Done! We all know the real work gets done after the conference sessions and the networking events. Don't miss this PRIMO party to discuss the issues and develop action plans that are meaningful to you!				
3:00		Break				
3:30		Talk Story with a Purpose: The Party Where the Real Work Gets Done! We all know the real work gets done after the conference sessions and the networking events. Don't miss this PRIMO party to discuss the issues and develop action plans that are meaningful to you!				
4:30	Closing					
5:00	Pau					

Meet the Plenary Speakers



DR. CHRISTINE KENNEY

Dr. Christine Kenney is the Senior Research Fellow at the Joint Centre for Disaster Research, a joint venture between GNS Science and Massey University, New Zealand, a Fellow of Te Mata o te Tau Māori Research Academy. As a Māori academic, Dr. Kenney has a particular interest in improving the wellbeing of indigenous peoples. To that end she has a strong record in developing and implementing community-based research projects (New Zealand, Canada, and Australia) with indigenous communities who have experienced political, social and/or ecological disasters. Dr. Kenney's current research focuses on understanding factors that support the resilience of Māori communities in the face of natural hazards and environmental disasters, and exploring the value of traditional knowledge and practices for informing disaster preparedness, response and recovery planning. She is also engaged in multi-national collaborations that address community sustainability and capacity building in response to adversity.



PRESIDENT ANOTE TONG, KIRIBATI

Anote Tong is the President of the island nation of Kiribati. Currently serving his third term, President Tong assumed office in 2003. During his time as President, Tong has built worldwide awareness of the potentially devastating impacts of climate change. Anticipated increases in sea level could render Kiribati completely uninhabitable by the middle of this century. While working closely with international partners to fight global warming and reduce the threat from climate change, President Tong has also been proactive in creating programs to facilitate planning for the eventual relocation of the entire population of Kiribati if current trends in climate and sea level change continue. A graduate of Canterbury University with a degree in Science, President Tong also holds a Masters in Economics degree from the London School of Economics.



JAY WILSON

Jay Wilson joined Clackamas County Emergency Management in February 2008 as their Hazard Mitigation Coordinator. His duties for the County include managing hazard mitigation projects and planning, public education, and coordinating damage assessments following disasters. Additionally, Jay is a public member appointee on the Oregon Seismic Safety Policy Advisory Commission (OSSPAC) and currently serves as Chair. Prior to his current position, Jay worked as the Earthquake, Tsunami and Volcano Programs Coordinator for Oregon Emergency Management; and spent over five years with FEMA Regions X and IX as a Disaster Reservist, managing Community Education and Outreach activities for Hazard Mitigation Programs following natural disasters. While living in the San Francisco Bay Area, Jay worked for the Cities of Berkeley and Oakland to coordinate and implement earthquake safety programs. He holds degrees in Geography (MA) and in Film (BA) from San Francisco State University.



HERB LEE, JR.

Herb Lee, Jr., has been the Executive Director of the Pacific American Foundation (PAF) since 2005. Herb is a Native Hawaiian that has led multiple highly successful gifted and talented youth leadership programs, career planning and development, STEM education and culture-based curriculum projects including the award winning "Kahea Loko and the Aloha 'Āina" projects. His programs have trained over 3,000 teachers and benefited 60,000 plus students throughout the State, spanning grade levels K to 12. PAF has been recognized as one of the leading non-profits in the development and training of rigorous culture-based education programs for both Native Hawaiians and non-Hawaiian students. Herb also has 26 years of experience as a community involvement specialist and has been a recording artist, Hawaiian musician, and a cultural practitioner for 36 years.

Tuesday, March 11

8:00 TO 9:00 A.M.

Maui (Room 316)

CHECK-IN AND CONTINENTAL BREAKFAST

9:00 A.M.

Maui (Room 316)

HUI MEETING OPENING

9:15 TO 12:00 P.M.

Room 318B

COMMUNICATIONS HUI

STEERSPERSONS: *Christina Higa, PEACESAT, and Jimmy Lagunero, University of Hawaii at Manoa*

The Communications 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.

9:15 a.m.: Opening Remarks

9:20 a.m.: Introductions

9:30 a.m.: Report by Hui Members on Deployment and Operation of Early Warning Systems in Micronesia, American Samoa, and Hawaii

10:30 a.m.: Break

10:45 a.m.: Identification of Gaps in System Coverage, Functionality, Costs, and Opportunities for New Technologies and Solutions. Particular focus on reliable, homegrown disaster communications technologies reaching the last mile in your neighborhood, that will work during and after a disaster strikes.

9:15 TO 12:00 P.M.

Room 317A

INFORMATION ACCESS AND GEOSPATIAL TECHNOLOGY HUI

STEERSPERSON: *Todd Bosse, Pacific Disaster Center (outgoing) and Eric Yamashita, National Disaster Preparedness Training Center (incoming)*

The Information Access and Geospatial technology Hui supports the collection and integration of hazards data and supporting basedata, application of data frameworks and metadata standardization, and improvements in the accessibility and usability of risk management data and products.

Topics to be Covered:

1. Welcome and Introductions
2. Hui Overview and Goals / Mission
3. Hui Leadership Transition Ceremony
4. Agency Updates: Part One (open to any and all Hui members to present)
5. Hui Projects Discussion
 - a. 'Ask the Hui' section on PRiMO webpage
 - b. Online Directory
 - c. Other: Hui members to discuss future projects and collaboration
6. Agency Updates: Part Two (as necessary)
7. Other Topics to be Initiated by Hui Partners
8. Presentations (time permitting):

- a. Social Media / Crowdmapping
- b. Super Typhoon Haiyan Response
- c. Others by Hui Members

9:15 TO 12:00 P.M.

Room 319A

TRAINING AND EDUCATION HUI

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

The Training Hui improves coordination and encourages collaborative training efforts within agencies and across organizations through partnership development. The hui currently has three focus areas, including: 1) Identify training resources – including personnel, distance learning capabilities, and tools; 2) Promote appropriate trainings by using local examples and appropriate learning styles and levels by working with Indigenous Knowledge and other huis; and 3) Encourage collaborative training efforts within agencies and across organizations through sharing of regional training opportunities.

The plans for the hui in the coming year are focused primarily around sharing information that is currently available and incorporating new information as it becomes available, such as “Shakeout” in American Samoa and Guam. To share information, the hui is going to investigate technological solutions to distance learning. The hui aims to share formal education resources throughout the Pacific and establish a more formal Facebook and PRiMO website presence.

Hui Meeting Agenda

Old business

- Review public service announcements opportunities
- Certify local capacity in each area
- Facilitate media training [Incident Command System (ICS), National Incident Management System (NIMS) and exercises]
- Prepare weather and scientific terms training and information bulletins
- Identify type and level of ICS/NIMS training delivered by date and location using geospatial data tracking
- Prepare a course crosswalk for environmental learning and core capabilities by course and entity

New business

- Identify new partners in Hawaii, United States, and in the Pacific Region
- Initiate collaborative partnerships with identified partners and establish mutually beneficial relationships in training, education, and curriculum development
- Maintain a contact database of key stakeholders to support implementation of PRiMO strategies and plans

9:15 TO 12:00 P.M.

Room 317B

RISK ASSESSMENT AND PLANNING HUI

STEERSPERSONS: *Doug Harper, NOAA Pacific Services Center, and Kitty Courtney, TetraTech*

The Risk Hui explores methods, strategies, and best practices regarding natural hazard risk and vulnerability assessments, disaster risk reduction, and climate adaptation, and their implications to sustainable planning and development practices.

1. Opening Remarks/Introductions
2. Updates, Announcements, and Discussions
3. Pacific Resilience Forum
4. Feature Topics: Science into Management (Elizabeth Fischer) and Hazard, Science, and Planning Gap Analysis (Dennis Hwang)
5. Focus Areas for the Coming Year

9:15 TO 12:00 P.M.

Room 317A

INDIGENOUS KNOWLEDGE AND THE ENVIRONMENT (IKE) HUI

Steerspersons: David Blumenkrantz, The Center for the Advancement of Youth, Family and Community Services, Kesner Flores, Kapay Alliance, and Jean Tanimoto, NOAA Pacific Services Center.

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

1. Introductions
2. Updates (Round robin): Catch us up on what you've been up to and interesting projects you're working on
3. New Opportunities: Bring any exciting opportunities you're working on and ways that we might collaborate

12:00 TO 1:30 P.M.

On Your Own

LUNCH

12:30 TO 1:30 P.M.

Maui (Room 316)

REGISTRATION

1:30 TO 2:00 P.M.

Maui (Room 316)

OPENING AND WELCOME

CHRIS CHIESA, CHAIR, Navigators Council

BILL THOMAS, VICE CHAIR, Navigators Council

2:00 TO 3:00 P.M.

Maui (Room 316)

KEYNOTE SPEAKER: *Dr. Christine M. Kenney, Senior Research Fellow, Joint Centre for Disaster Research, GNS Science and Massey University*

"Ngā Tangata Whenua; Ngā Parekura: Māori approaches to addressing risks and resilience within Aotearoa New Zealand"

3:30 To 5:00 P.M.

Room 317A



THE POWER OF PEOPLE: HARNESSING STRENGTH IN NUMBERS TO FACE LOCAL COASTAL HAZARDS

MODERATOR: Penny Larin, Coastal Resilience Networks Coordinator

SPEAKERS: Jamie Mooney, Washington Sea Grant, University of Washington; Laura Bowie, Gulf of Mexico Alliance; India Clark, Olohana, Inc.; Pat Corcoran, Hazards Outreach Specialist, Oregon Sea Grant; Katherine A. Herbst, Senior Associate, Community Resilience, American Red Cross; Dr. Sarah Henly-Shepard, MPH Hanalei Watershed Hui

Coastal communities must contend with natural hazards of erosion, storm surge, and tsunami flooding. These hazards are exacerbated by climate change impacts such as sea level rise, increased wave energy, and intensified storms. Steps can be taken to make communities more resilient to these risks, and a strong network of people who share information, expertise, tools, and resources is key. The most effective networks comprise nontraditional partners—people from sectors and institutions that do not commonly work together but whose missions can benefit from collaboration.

Through a series of stories, this session will explore examples and efforts of resilience networks nationwide. The speakers and participants will paint their own region's resilience network story, empowering the larger group to identify key aspects, challenges, and paths of developing and maintaining resilient communities. The session will foster cross-regional interactions, connect localized efforts, and elevate regional work to a broader national applicability.

This talk story session will explore the following questions, with the goal of understanding ways to learn and share from others while recognizing that each project and regional effort is unique and culturally specific:

- How do we harness the power of others to build a long-term network to learn, share, and build resilient and healthy communities?
- How do you engage with experts across sectors and fields and with stakeholders across organizations and interests?
- How do you gain sustained participation?
- Have you dealt with the challenges of terminology, culture, or other factors while establishing a resilience network?
- What are the keys to building productive relationships with these constraints?
- How do you quantify or qualify, or show the value of, the network to people who are not a part of it?

3:30 To 5:00 P.M.

Room 317B



AMATEUR RADIO EMERGENCY COMMUNICATION CAPABILITIES IN A DISASTER

MODERATOR: Clement Jung (KH7HO), Windward Oahu Amateur Emergency Radio Service (ARES) Emergency Coordinator and Hawaii State NWS Skywarn Ham Coordinator

SPEAKERS: Kevin Bogan (AH6QQ), American Radio Relay League (ARRL) ARES Pacific Section Emergency Coordinator; Matthew Lloyd, New Zealand Red Cross

This session will explore the role that licensed amateur radio operators (Hams) play in a catastrophic disaster, when all normal means of communication have failed, including landline telephones, cell phones, internet, text messaging, power supply for charging cell phones, etc. The service provided by Hams is free. Responsible Ham radio operators own their own equipment and keep it in top operational condition, ready to deploy and help provide emergency communications when a disaster occurs. The free man-hours volunteered by Ham operators are invaluable in providing emergency communications capability until normal communications can be restored. One example of successful Ham radio assistance in a natural disaster occurred during Hurricane Iniki in 1992 when Hams were able to establish communication between the mayor of Kauai and the governor of Hawaii after all other communications options failed.

3:30 TO 5:00 P.M.

Room 319B

INDIGENOUS PREPAREDNESS IN TWO PARTS: PART A: PARTNERSHIPS

MODERATOR: *Jean Tanimoto, IKE Hui Steersperson*

Ka'a i ka lawa. It is enough!

Ramsay Taum, Life Enhancement Institute of the Pacific LLC

Indigenous Communities Partnering from the Mainland Across the Pacific

Dr. Dan Wildcat, Haskell Institute

Developing Capacity Assessment Tools for Indigenous Communities

Dr. John Wiener, University Corporation for Atmospheric Research/AR/CU

How Rising Indigenous Voices May Be Better Heard in the Hall of Government

Eileen Shea, NOAA

Weather extremes and natural disasters, accelerated by climate change, will continue to impact many more remote, isolated, and indigenous communities across the Pacific and throughout the mainland. These communities must be prepared for the future by building the local capacity to meet their own needs for food, shelter, communications, and energy.

This first panel explores economic development initiatives that comprehend and utilize indigenous knowledge to support community-resilience building activities. The panel will discuss how partnerships between indigenous communities and federal agencies may support these initiatives and examine both community and federal agency perspectives on these efforts.

3:30 TO 5:00 P.M.

Room 318A

COASTAL WATCH COMMUNITIES

MODERATOR AND SPEAKERS: *Dale Cox, US Geological Survey, Science Application for Risk Reduction; Sue Perry, US Geological Survey, Science Application for Risk Reduction; Gerald Bawden, US Geological Survey, Western Geographic Science Center*

Coastal erosion, subsidence, and ecological change constantly change our coasts. Currently the sea-level is rising, and storms are expected to grow in size, even while there exists an ever-present threat of volcanic disturbance, earthquakes, and tsunamis. These complex and dynamic vulnerabilities are especially pronounced in Hawaii and the Pacific Islands, which are isolated, remote, culturally diverse, and geologically active.

Broad and constantly vigilant monitoring of changes in Pacific Island coastal communities informed by multi-hazard science-based preparedness assessments, can provide a basis for culturally and geologically aware community groups to not only pinpoint growing areas of coastal vulnerability but to prepare the nation to take the steps necessary to address and reduce the vulnerabilities

To coordinate coastal monitoring and engage communities, the USGS Science Application for Risk Reduction (SAFRR) will combine the science and tools inherent within its organizational structure with PRiMO to pursue a Multi-Agency Aerial Detection Initiative (MAD-I). This MAD-I will employ the latest remote sensing technology to better understand, alert and engage communities to growing and dynamic coastal threats. Once these coastal "hot spots" are detected, USGS SAFRR and PRiMO will form much-needed new science-management alliances in the Pacific, bringing together the understanding and dialogue necessary to address the most pressing threats.

Alliances will be composed of interested communities and stakeholders in the Pacific such as culturally and geologically aware community leaders, business leaders, federal, state, and local agencies, emergency managers, natural resource managers, non-governmental organizations, and scientists to increase awareness, address the threats, and ultimately increase resilience in coastal areas of greatest vulnerability.

3:30 TO 5:00 P.M.

Room 318B

□ INTERAGENCY ROUNDTABLE (INVITATION-ONLY)

MODERATOR: *Chris Chiesa, Chair*

This invitation-only session is to strengthen and expand the ongoing dialogue on disaster risk reduction in the Pacific and support federal, state and local agencies, NGOs and private sector companies in their efforts to accomplish mission objectives in the region, given the reality of reduced budgets. The roundtable will provide opportunities to share successful experiences, forge new partnerships, and identify opportunities to further leverage resources.

5:00 TO 7:00 P.M.

Maui (Room 316)

OPENING RECEPTION REMARKS: *President Anote Tong, Kiribati*

EXHIBITORS' SHOWCASE AND NETWORKING RECEPTION

Hosted by the Asia Pacific Disaster Risk Reduction and Resilience Network



Wednesday, March 12

8:00 TO 8:30 A.M.

Maui (Room 316)

CHECK-IN AND CONTINENTAL BREAKFAST

8:30 TO 9:00 A.M.

Maui (Room 316)

OPENING AND WELCOME

CHRIS CHIESA, CHAIR, NAVIGATORS COUNCIL

BILL THOMAS, VICE CHAIR, NAVIGATORS COUNCIL

9:00 TO 10:00 A.M.

Maui (Room 316)

PLENARY SPEAKER: *Jay Wilson, Clackamas County Emergency Management*

The Oregon Resilience Plan – Overcoming Inertia and Walking the Talk

10:00 TO 10:30 A.M.

Outside Room 317

BREAK

10:30 TO 12:00 P.M.

Room 318B



NATURAL RESOURCE PROTECTION AND RESTORATION FOR DISASTER MANAGEMENT

MODERATOR: *Adam Stein, NOAA Coastal Services Center*

PANEL MEMBERS (INVITED): *Gerry Davis, US Coral Reef Task Force, NOAA National Marine Fisheries Service; Cheryl Anderson, Pacific Regional Ocean Partnership; William Aila, State of Hawaii Department of Land and Natural Resources; Ruth Yender, Oceania Regional Response Team, NOAA Office of Response and Restoration, Jeff Payne, NOAA Representative to the Recovery Support Framework Leadership Group including Natural and Cultural Resources Recovery Support Function*

The challenge of protecting and restoring natural resources in the context of extreme events is of significant importance to jurisdictions in the Pacific that are affected by both major disasters (federally declared events) and those that may be less devastating but do result in negative impacts to sensitive and critically important natural resources. Several organizations are currently working in the Pacific Region to address related issues including PRIMO, the US Coral Reef Task Force, the Pacific Region Ocean Partnership, and the Oceania Regional Response Team among others. The goal of this session is to share recent policy and capacity developments and lessons learned and subsequently develop a work product to be shared with the broader community through our available networks. The session will begin with a plenary panel to be followed by a working session designed to focus in the following two areas:

Policy: While the release of Presidential Policy Directive 8 and the subsequent national planning frameworks for Mitigation, Response, and Recovery has had positive implications for federal coordination at the national level, additional awareness and effort at the regional level could strengthen our collective ability to manage natural resource related issues both pre- and post-event. This working group will discuss this and other federal, state, and

territorial policies that either support or inhibit pre- and post-event natural resource management efforts.

Management Capacity: Previous efforts have identified some specific capacity challenges (lack of training, coordination, logistics, etc.) and several groups in the Pacific Region are currently working to address them through partnerships with state and territorial resource management agencies and non-governmental organizations. This working group will leverage existing resources to identify additional gaps and next steps to address these capacity challenges.

10:30 TO 12:00 P.M.

Room 318A

DATA, DATA, DATA!

MODERATOR: *Lara Payne, Pacific Disaster Center*

SPEAKERS: *Maria Kottermair, Island Research and Education Initiative, FSM; Tony Kimmet, Natural Resources Conservation Service; Drew Decker, US Geologic Survey; Charles Devaney, University of Hawaii*

This hands on session will explore and highlight existing, new and emerging data sources for the Pacific Islands. After examining the existing and emerging data sources the panel will discuss and identify data gaps, and discuss the data needs for the Pacific islands. This session will also address data collection for the Pacific region using UAV technology.

Attendees are encouraged to bring one-pagers or information on their data and data services that their organization offers. Specific projects that will be highlighted include: NOAA CSP Grant Project Update: Geospatial Information Development and Application Supporting Effective Decision Making in the Federated States of Micronesia; Natural Resource Conservation Service/US Department of Agriculture: Generation 2 Imagery Collection and Release; Using UAV's for Remotely Sensed Data Collection; US Geologic Survey: 2015 Topo Map Series for Freely Associated States and Territories in the Pacific.

10:30 TO 12:00 P.M.

Room 319B

INDIGENOUS PREPAREDNESS IN TWO PARTS: PART B, INITIATIVES

MODERATOR: *Jean Tanimoto, NOAA*

Out of This World Technologies Meeting Down to Earth Needs

Dr. T.M. Bull Bennett, Kikisapa Consulting

Tribal Approaches to Resilience in the Weather Extremes

Robert Gough, JD, Intertribal Council On Utility Policy

Expanding Local Food Economies

Dr. Failautusi Avegalio, Jr., University of Hawaii

Food Forests in Our Future

Craig Elevitch, Olohana Foundation

Training Youth to Use Science and Technology to Restore Our Indigenous Ocean Food Systems

Nahaku Kalei, Ala Kahakai National Historic Trail Association

Weather extremes and natural disasters, accelerated by climate change, will continue to impact many more remote, isolated, and indigenous communities across the Pacific and throughout the mainland. These communities must be prepared for the future by building the local capacity to meet their own needs for food, shelter, communications and energy. This second panel explores economic development initiatives within the local and indigenous communities that use compatible technologies to support community resilience building activities.

10:30 TO 12:00 P.M.

Room 317A

HAWAII HAZARDS AWARENESS & RESILIENCE PROGRAM

SPEAKERS: *Kevin Richards, Hawaii State Civil Defense; Sharon Mielbrecht, Pacific Disaster Center*

This session will introduce participants to the Hawaii Hazards Awareness & Resilience Program that was developed in 2013 to help communities understand the hazards they face and increase their self-reliance during and after natural hazard events. Program tools and resources help residents develop personal preparedness plans, assemble disaster supply kits, and work with other community members to assess their risk and vulnerability. Additional resources provide guidance on how to develop a community emergency plan, and discover resources and skills that foster readiness and resilience.

State and county emergency management agencies have partnered to support communities as they work to accomplish sequential milestones that ultimately build community resilience. An interactive session following the introduction will call upon the collective expertise of participants to identify best practices and successful outreach strategies that can be implemented in future phases of the program.

10:30 TO 12:00 P.M.

Room 317A

STATE OF HAWAII COMMON OPERATING PICTURE

FACILITATORS: *AMB (ret) David Litt; Tim Manning, Deputy Administrator, Federal Emergency Management Agency for Protection and National Preparedness*

Every disaster is preventable when leaders invest the necessary resources to protect against historically occurring natural events. The United States has the knowledge, resources and equipment necessary to build structures able to withstand the impacts of the strongest earthquakes, tsunamis or hurricanes. In our democracy, the decisions of what resources are invested where, when and how are the responsibility of the citizens. Thus prioritization of resources is dependent upon building shared priorities for our future.

Hawaii is one of the most remote locations in the world and dependent upon imported food, fuel and building materials to survive. The Hawaiian Islands are vulnerable to floods, earthquakes, volcano eruptions, tsunamis, pandemics and hurricanes. With federal funds diminishing, investments in disaster preparedness measures will be increasingly dependent on local and State entities. While there are prescribed avenues through state Civil Defense and FEMA in the planning, response, and recovery cycles, this session looks at other avenues and engagement points for the “whole community”, including the private sector, NGOs, other local government agencies and community groups. By identify roadblocks and other impediments - real or otherwise - that prevent these key partners from taking part in the whole community preparedness and protection, we will be able to find joint opportunities and a way forward. This session will bring together these multiple sectors to explore and discuss the development of a State of Hawaii Common Operating Picture. This session will be focused on making Hawaii an “Exemplary State” by matching complementary individuals, organizations and systems with each other. Participants will be asked to develop a consolidated calendar of events through 2016 to build a common vision for the future that improves outcomes while reducing individual costs.

Desired outcome: Identify shared priorities and common calendar to December 2016 in order to eliminate duplication of effort in areas of resilience, sustainability and disaster preparedness.

12:00 TO 1:30 P.M.

Maui (Room 316)

AWARD LUNCHEON

Presentation of PRiMO Awards

Chris Chiesa, Chair; Bill Thomas, Vice Chair; Adam Stein, Executive Director

Presentation of NDPTC Resilience Award

Karl Kim, Navigator and Director, National Disaster Preparedness Training Center

1:30 TO 3:00 P.M.

Room 317A

POST-DISASTER RECONSTRUCTION PLANNING: An Emerging Example from Maui, Hawaii

MODERATOR: *Dolan Eversole, NOAA Coastal Storms Program, University of Hawaii Sea Grant College Program*

Development of Post-Disaster Reconstruction Guidelines and Protocols for Conservation of Coastal Resources and Protection of Coastal Communities, Maui County, Hawaii

Jim Buika, Maui County Planning Department; Tara Owens, University of Hawaii Sea Grant Program

FEMA National Disaster Recovery Framework and Regional Recovery Planning Applications

Emily Meyer, FEMA Region 9 Recovery Planning Coordinator

NOAA Sandy Recovery Planning

Adam Stein, NOAA Coastal Services Center

FEMA National Disaster Preparedness Training Center Disaster Recovery Planning Training Update

Karl Kim, FEMA National Disaster Preparedness Training Center

This session will solicit your input and feedback to the scope, approach, and preliminary findings of a new NOAA-funded project on Maui, Hawaii, entitled, "Development of Post-Disaster Reconstruction Guidelines and Protocols for Conservation of Coastal Resources and Protection of Coastal Communities, Maui County, Hawaii." The goal of this session is to introduce the scope and approach of the Maui project as a discussion point for examining the lessons learned and best practices of disaster recovery planning.

This community-based project is aimed at developing realistic post-disaster reconstruction guidelines and protocols in order to conserve coastal resources and streamline prioritized repair and reconstruction projects based on community goals and needs, following a disaster. The project is focused on coastal hazards and communities on Maui with a wide variety of local stakeholders involved. Disaster recovery and reconstruction planning is a shared responsibility between individuals, private businesses, state and local governments, and the federal government.

After the initial disaster response phase, county planning departments are largely responsible for guiding the rebuilding phase with the aim to balance recovery speed and deliberation in the process which begins as the response phase ends, usually in one week. By proactively developing reconstruction guidelines and protocols in a one-on-one manner with targeted vulnerable communities, this pre-disaster planning can strike a balance between streamlining the rebuilding process, mitigating future community risks, and preserving sensitive coastal ecosystems that may otherwise be lost forever.

The Maui project serves as a discussion point for examining the expansion of disaster recovery and reconstruction planning in Hawaii and the Pacific Islands region. This session will also have a variety of recovery experts on hand to add to the discussion and provide insight on how the project is linked to the FEMA National Disaster Recovery Framework (NDRF) and recovery planning from super-storm Sandy. We will also hear from the FEMA National Disaster Preparedness Training Center (NDPTC) on emerging professional training opportunities in this field. A pilot introduction to a community workshop for the Maui project will be included to solicit your feedback on the preliminary project findings and workshop approach.

1:30 TO 3:00 P.M.

Room 317B

HOMEGROWN TECHNOLOGIES AND RESILIENCE

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

Discuss homegrown technologies that build community resiliency, i.e. increase capacity of communities/neighborhoods to respond and recover from disaster events within the resources they have at their disposal.

NOAAs Satcomm Alert System

Edward Young, Navigator

ePOP - Emergency Popup Phone and Power System

Ian Kitajima, Oceanit

MERCI - Mobile Post-Disaster Assessment tool for the iPhone

David Takeyama, Oceanit

LAVAticity - Convert heat into electricity from a campfire to recharge mobile devices

Sumil Thapa, Oceanit

eFan - Battery Powered Anti-Mosquito Fan

Sumil Thapa, Oceanit

Distilled Water Production

Weilin Qu, Renewable Water Technologies

PV and Battery Systems

Dana Akasaki, Greenpath Technologies

1:30 TO 3:00 P.M.

Room 318A

REDUCING DROUGHT RISKS IN HAWAII AND PACIFIC ISLANDS

MODERATOR: *Dr. Heather Lazrus, National Center for Atmospheric Research*

SPEAKERS: *Dr. Cheryl Anderson, Climate, Hazards and Environment Program Social Science Research Institute, University of Hawaii; Dr. Sarah Henly-Shepard, Disaster Resilience, LLC; Dr. Victoria Keener, Pacific Regional Integrated Sciences and Assessments (Pacific RISA), East West Center; Neal Fujii (invited), Commission on Water Resource Management; Ramsay Taum, Life Enhancement Institute of the Pacific*

Drought is a critical challenge faced by communities around the world, exacerbated by demands on water resources in an era of climate variability and change. Drought and drought impacts are a major concern for Hawaii, as drought conditions have been increasing for all of the major Hawaiian Islands since the 1950s, making them a “drought hotspot.” Limited water storage capacity on the Hawaiian Islands means that it is imperative to identify pathways for sustainability in the face of persistent drought. How can households, communities and state agencies work together to improve outcomes during droughts?

Drought impacts are the outcomes of complex interactions between social and physical processes, such as expanding populations, intensive ranching operations, recreational activities and cultural practices. Recent and proposed investigations of drought in Hawaii suggest that interdisciplinary approaches are best suited to examine these complex interactions. This session will convene researchers and practitioners involved in reducing vulnerability to drought impacts and enhancing adaptive capacity within communities to better address drought and other hazards.

The complexity of drought impacts also necessitates a multi-pronged approach that includes social and physical science as well as diverse “ways of knowing” about drought. This session will therefore include a discussion of experiential, indigenous and other forms of knowledge that are pertinent to addressing drought risks and impacts. We will encourage participation from people in communities that are, or have been, experiencing drought from across Hawaii as well as other Pacific Islands.

The goal of the session is to share knowledge gathered from current and previous work on drought in island communities and to suggest areas for future drought-related research and applications, including suggestions for how drought information is provided and other drought-related policies. The session panel will consist of four or five 5-10 minute presentations followed by a discussion period.

1:30 TO 3:00 P.M.

Room 318B

PACIFIC CENTURY SUSTAINABILITY PROGRAM

FACILITATOR: *Gregg Nakano, National Disaster Preparedness Training Center; Dr. Bob Franco*

"If your plan is for one year, plant rice. If your plan is for ten years, plant trees. If your plan is for one hundred years, educate children."

For the past hundred years, the United States has been a recognized leader in education around the world. Yet today, the United States spends \$15,172 per student and achieves less than 17th ranked Estonia, which spends only \$6,126. So while science, technology, engineering and math (STEM) fields like biomedical engineering are anticipated to see a 62% increase in job demand, only 16% of American high school seniors have the necessary proficiency in math to qualify.

Increasing conflicts around the world are manifestations of political stress caused by environmental degradation and competition over diminishing resources. The U.S. military's Joint Operating Environment 2010 cites demographics, climate change, pandemics, natural disasters, food and water shortages as key drivers of future wars. The next generation's leaders will need to be able to understand the natural sciences and technologies behind sustaining a human population exceeding 9 billion people by 2050 if we are to live in peace.

The purpose of this session is to develop a multi-generational education and training program preparing the people of Hawaii and the Pacific islands to weather the climatic, environmental, and economic challenges of the 21st century.

Desired outcome: Identify strategies to make Hawaii an intellectual hub for introducing "human security" curriculum at all levels of education and training throughout academic institutions in the Pacific region.

1:30 TO 3:00 P.M.

Room 319A

PUBLIC-PRIVATE PARTNERSHIPS FOR RESILIENCE: *Opportunities and Pitfalls of Multi-Sectoral Collaboration*

MODERATOR: *Jainey Bavishi, Asia Pacific Disaster Risk Reduction and Resilience (APDR3) Network*

Over the last several years, there has been an increasing recognition of the need for public-private partnerships for disaster risk reduction and building resiliency. In May 2013, participants at the United Nations Global Platform for Disaster Risk Reduction meetings in Geneva called for more work to be done to develop partnerships between the private sector, public sector, and communities. They identified some of the untapped opportunities for collaboration, including financing, risk assessments, planning, response operations, and synthesizing collective knowledge. Members of the Asia Pacific Disaster Risk Reduction and Resilience (APDR3) Network – a public-private partnership that brings together academia, business, civil society, government, military, and philanthropy – will reflect on the opportunities and challenges of multi-sectoral coordination.

3:00 TO 3:30 P.M.

Outside Room 317

BREAK

3:30 TO 5:00 P.M.

Room 317A



CLIMATE CHANGE IMPACTS ON HEALTH SECURITY IN THE PACIFIC

FACILITATOR: *RADM(ret) Thomas Cullison; COL Bob Walters*

Global climate changes will continue to present an ever greater challenge to the health of people living on the Pacific islands. Living in some of the most remote places on the planet, the people of the Pacific islands have given up their self-sufficient lifestyles to become largely dependent on imported food and fuel to survive. Changes in lifestyles and diets have resulted in a host of previously rare diseases including diabetes, hypertension, and obesity. The difficulties facing Pacific islanders today are likely predictors of the challenges coastal communities will face in the future.

Recent studies show that as many as 40% of the world's population lives within 100km of the coastline. With rising sea levels, as many as 600 million people will be displaced, increasing stresses on national food, water, shelter, and public health infrastructures. Densely populated and inadequately served communities can create the conditions necessary for social unrest or an epidemic to grow and spread. The next generation's leaders will need to understand how national security interests are tied to climate change and global health security in order to make the policy choices that will reduce the incidence of non-communicable diseases and prevent or stop the spread of an emerging global pandemic.

The purpose of this session is to illuminate the intersections between climate change, global health, financial markets, political power and military force on human sustainability on the Pacific islands in order to develop a strategy for building a sustainable, healthy future for all the inhabitants of the Pacific region.

Desired outcome: Craft a strategic vision of how to incorporate global health security best practices lessons learned from interagency "stability operations" and apply them to improving resilience and sustainability in the Pacific region.

3:30 TO 5:00 P.M.

Room 317B



CROSS-ISLAND COMMUNITY-BASED RESILIENCE INITIATIVES: *Sharing Lessons & Sparking Collaboration*

Coastal Resilience Networks Project for North Shore Kauai & North Shore Oahu

Sarah Henly-Shepard, Maka'ala Ka'auomoana & Antya Miller

Hau'ula Emergency Leadership Preparedness Committee

Dotty Kelly; Burton Greene

Ewa EPC Committee

Rodney Boucher

Kaneohe Neighborhood Board Disaster Preparedness Committee

Bill Sager

Kailua Disaster Preparedness Sub Committee

Claudine Tomasa, Kailua Neighborhood Board

Project 52

Al Cardines

Molokai

Zhantell Dudoit

Pacific Island communities are extremely vulnerable to natural hazards and the impacts of climate change. In Hawai'i, hazards have been mitigated in the past by risk management strategies that endowed communities with the adaptive capacity to weather disasters. Such strategies included place-based knowledge systems and social institutions for resource management, which were passed from one generation to the next. Social institutions and embedded learning processes historically maintained tight linkages between healthy ecosystems and communities.

In rural communities, many of these practices have been preserved, however significant social, economic and ecological changes have transformed community structures and dynamics, compromising once resilient systems. This panel session will include presentations from several communities in Hawaii engaged in community disaster resilience and adaptation efforts, sharing lessons learned, challenges and best practices. The presentations will be followed by an interactive question and answer session between panelists and audience participants to identify ways forward through collaboration.

3:30 TO 5:00 P.M.

Room 318A

MAPS, MAPS, MAPS!

MODERATOR: *Lara Payne, Pacific Disaster Center*

SPEAKERS: *Ed Harp, US Geological Survey; Matt Peterson, US Geological Survey; Drew Decker, US Geological Survey*

This hands on session will explore the newest maps and data currently available for several Pacific Island locations. The panel will also explore the initial requirement and processing/collection methodologies that brought the existing products to fruition.

Attendees are encouraged to bring one-pagers or information on new maps for the region. Specific projects that will be highlighted include: USGS: New Landslide Hazard Maps for Chuuk and Kosrae States in the FSM; USGS: Seismic Hazard Maps for American Samoa, Guam, CNMI and Hawaii and the new USGS 2013 Hawaii Topographic Map Series.

3:30 TO 5:00 P.M.

Room 319B

RISING SEAS AND ERODING COASTS: Addressing the Impacts of Sea Level Change on Coastal Infrastructure in Pacific Island Communities

SPEAKERS: *Robbie Green, CNMI Coastal Resources Management Office; Dr. Victoria Keener, East West Center; Ty Dempsey, Lyon Associates; Peniamina Leavai, SPREP*

This session is the first of a series of webinars and will be hosted by the Commonwealth of the Northern Mariana Islands. This interactive session will feature the recently completed Vulnerability Assessment for the Island of Saipan and highlight the assessment process, results, and lessons learned. Two specific areas of vulnerability will be discussed. The inundation of two of Garapan's primary drainage channels during high tide is flooding commercial and tourism districts. In addition, shoreline erosion at Micro Beach in American Memorial Park is resulting in the loss of coastal infrastructure. Similar experiences and efforts to address these types of issues will be presented from other Pacific Island communities.

This session also marks the launch of the Pacific Resilience Forum, a webinar series for Pacific Island communities to share information, experiences, and expertise for climate resilience. The Pacific Resilience Forum is a webinar series on climate change topics of importance to the Pacific Islands region. Organized by the Pacific Risk Management Ohana (PRiMO), the forum will provide opportunities to share experiences and expertise on climate change issues that face the region. The first webinar will be hosted by the Commonwealth of the Northern Mariana Islands.

3:30 TO 5:00 P.M

Room 318B

MEDIA MESSAGING

MODERATOR: *Rachel Nunn, East-West Center and Pacific RISA Program*

Media and disaster management agencies have both played important roles before, during, and after a disaster to better inform the public about infrastructure, property, and personal risk. This session is designed to bring together these two complementary perspectives into a focused discussion around the type of information required during these phases of disaster management. Refined insights gained from this session would strengthen the understanding between media and disaster management agencies to better inform the public during the three phases of hazard / disaster occurrence. Furthermore, this session will allow for strategic partnerships to be established where they may not have existed before and ongoing collaborative ties to be strengthened to ensure a smoother working model for information dissemination.

5:00 TO 6:00 P.M

Maui (Room 316)

NDPTC NETWORKING EVENT



Join NDPTC (National Disaster Preparedness Training Center) for updates on training development and deliveries and to give feedback on critical needs and opportunities for building resilient communities. Meet and interact with others from the National Domestic Preparedness Consortium as well as many other partners, subject matter experts, center staff, developers, instructors and organizations involved in disaster response and recovery training. Light pupus and no-host cocktails.

6:00 TO 7:00 P.M

Room 317A

GOVERNOR'S RESILIENT HAWAII FORUM

Governor Abercrombie invites the public to attend the second Resilient Hawaii Forum, a free and open session to provide input on how the federal government can better support state and local climate mitigation, adaptation, and resilience efforts.

On November 1, 2013, President Obama appointed Governor Abercrombie to serve on the State, Local, and Tribal Leaders Task Force on Climate Preparedness and Resilience. Task Force members are tasked with developing recommendations on how the federal government can remove barriers to resilient investments, modernize federal grant and loan programs to better support local efforts, and develop the information and tools communities need to prepare for the impacts of climate change in the areas of disaster recovery and resilience; built systems (water, transportation, energy, facilities, and coastal infrastructure); natural resources and agriculture; and community development and health.

The public is also invited to provide input through an online form at: <http://governor.hawaii.gov/climate-change-task-force-survey>. Online submissions must be received by Monday, March 10, 2014.

Recommendations developed at Resilient Hawaii Forums along with online submissions will be raised for the Task Force's consideration and final presentation to the President. Although the Task Force focus is on how the federal government can respond to the needs of communities dealing with the impacts of climate change, Governor Abercrombie's appointment to the Task Force presents a timely opportunity to develop and advance climate adaptation in Hawaii.

Thursday, March 13

8:00 TO 8:30 A.M.

Maui (Room 316)

CHECK-IN AND CONTINENTAL BREAKFAST

8:30 TO 9:00 A.M.

Maui (Room 316)

PLENARY SPEAKER: *Herb Lee., Jr. Executive Director, Pacific American Foundation*

10:00 TO 10:30 A.M.

Outside Room 317

BREAK

10:30 TO 12:00 P.M.

Room 317A



CRITICAL ISSUES FOR SMALL ISLANDS: *Climate Change and Water*

MODERATOR: *Mr. Penehuro Lefale, Pacific Climate Analyst (New Zealand, Samoa, Pacific Islands region)*

SPEAKERS: *Mr. Simpson Abraham, FSM Pacific Adaptation for Climate Change Coordinator (Federated States of Micronesia), Mr. Ethan Allen, Director, STEM, Pacific Resources for Education and Learning (PREL) (Hawaii and the affiliated-US Pacific Islands)*

The session will begin with two 15-minute presentations on Climate and Water initiatives in the Pacific Islands region to stimulate the talk-story session:

The Pacific Adaptation to Climate Change (PACC) Programme is the first major climate change adaptation initiative in the Pacific region. Since it began in 2009 the Programme has been laying the groundwork for more resilient Pacific communities that are better able to cope with climate variability today and climate change tomorrow. The Programme approaches this from two directions: it is working to enhance adaptive capacity on the ground, and it is driving the mainstreaming of climate risks into national development planning and activities. Mr. Abraham will provide an overview of the PACC Goals and Programs being undertaken in the FSM, specifically detailing the successes of the coastal infrastructure project in Kosrae. For more information on PACC visit: <http://www.sprep.org/pacc>

Water for Life is a five-year National Science Foundation program melding informal science education (ISE) and community disaster risk reduction (CDRR) in the Republic of Palau, the Republic of the Marshall Islands, and the States of Chuuk and Yap in the Federated States of Micronesia. With powerful professional development and community service learning components, Water for Life, working through PREL (Pacific Resources for Education and Learning), is building self-sustaining capacities among residents of these four Pacific island entities to meet two key challenges: 1) The lack the ISE infrastructure to nurture and promote informal science learning; and, 2) Since fresh water is scarce, a major concern is how reliable, sustainable supplies of quality, drinkable rainwater can be achieved in an economically feasible fashion for CDRR. Water for Life addresses these challenges by helping FAS individuals and organizations build ISE & CDRR capacity through developing locally-relevant, broad-based, self-sustaining “water literacy.”

Talk Story Discussion: What role can PRiMO have in helping to increase capacity to reduce risks from climate variability change? How can we enhance capacity to adapt to risks, especially the lack of fresh water? What alternatives are being pursued for long-term adaptation, most specifically in small islands? Are there other cases of success in the small islands that should be considered?

10:30 To 12:00 P.M.

Room 318A

MITIGATION PLANNING WORKSHOP

MODERATOR AND SPEAKERS: *Juliette Hayes, Mitigation Planning Program Lead, FEMA, Region IX, Mitigation Division; Sally Ziolkowski, FEMA, Region IX, Mitigation Division Director*

The mitigation planning workshop covers the fundamentals of the mitigation planning requirements for local and state level governments. The purpose of the workshop is to ensure that new or updated mitigation plans are developed to:

1. address community priorities and needs;
2. reduce long term risk to life and property and;
3. meet requirements established in 44 CFR 201.4 and 6.

The workshop describes the intent of the participatory planning process, resources for assessing risks, and discusses strategies for developing effective mitigation actions. The session is delivered through a series of activities that serve to illustrate and model the various stages of mitigation planning; from hazard identification by reviewing local hazard maps to mitigation strategies that can build upon or be integrated into existing efforts.

Also covered by the workshop is a description of resources that are available to implement the mitigation strategy, an overview of the plan evaluation and update process, as well as tips for implementing and maintaining an approved plan, tracking performance, keeping stakeholders involved, and preventing plans from lapsing or expiring.

10:30 To 12:00 P.M.

Room 318B

UNIQUE NEEDS OF CHILDREN IN DISASTERS

MODERATOR: *Candy Iha, Pediatric Nurse and Children's Disaster Coordinator*

SPEAKERS: *Wendy Hickman-Miller, Child Life Specialist; Angela Doi, Child and Family Services; Diane Reece, Child and Family Services; Emily Kukulies, American Red Cross; Dwayne Lopes, Hawaii State Emergency Medical Services for Children Specialist*

The goal of this session is to put children in the forefront of disaster planning. This session will bring awareness to the following:

- As a community in the Pacific Region we need to be prepared to protect our children to recover from all types of hazards
- Children make up 25% of the population. Children must be included not only in plans but exercises as well.
- The need to include children with functional and access needs in all hazards planning.
- The need for Reunification plans of children after a disaster.
- The need for children to express their emotions and work through coping mechanisms after a disaster.
- The importance of respite care for children and families in shelters and Disaster Recovery Centers.

10:30 To 12:00 P.M.

Room 317B

APPLICATION OF COASTAL HAZARD MITIGATION AND CLIMATE CHANGE ADAPTATION: *Practical Examples and Cases Studies from Around the Region*

MODERATOR: *Dolan Eversole, University of Hawaii Coastal Storms Program*

In this roundtable session we will explore what real life examples of climate and hazard adaptation look like on the ground with a focus on practical applications that can be applied to other areas. Participants are encouraged to share examples of hazard mitigation and climate adaptation implementation strategies such as sea-level rise adaption, coastal inundation and erosion mitigation, flood control, storm water management and subsurface infrastructure risk and vulnerability assessment. Topics can be broad but should illustrate how project hazard mitigation and/or climate

adaptation needs were achieved, what challenges were faced and how these barriers were overcome. Discussion of the economic considerations of the project measures such as any cost vs. benefit analysis are also encouraged. Short 5-10 minute project summaries are encouraged that will stimulate a facilitated discussion for the roundtable.

With the huge amount of new coastal hazard and climate change data coming online and available to planners, decision-makers and developers there is sometimes confusion about how to best utilize this new data and what it means for planning and policy. In many regions, land use management and urban planning policies have not caught up to the rapidly advancing science and research side. Often times there is a sentiment of “ok, now what...” from planners and developers on how to utilize the new hazard information. Often these stakeholders need to see examples of what successful adaptation looks like in real life.

This session is open to those interested in sharing and learning more about the application of coastal hazard and climate resilience strategies with local and regional participants as an information sharing exercise. The examples provided during the roundtable will be summarized in the session notes as a series of short case studies with links to additional information and projects. The case studies being distributed after the completion of PRiMO.

12:00 TO 1:30 P.M.

On Your Own

LUNCH

1:30 TO 3:00 P.M.

Rooms 317A - 319B



TALK STORY WITH A PURPOSE: *The Party Where the Real Work Gets Done!*

We all know the real work gets done after the conference sessions and the networking events. Don't miss this time to discuss the issues and develop action plans that are meaningful to you!

3:00 TO 3:30 P.M.

Outside Room 317

BREAK

3:30 TO 4:30 P.M.

Room 317A - 319B



TALK STORY WITH A PURPOSE: *The Party Where the Real Work Gets Done!*

We all know the real work gets done after the conference sessions and the networking events. Don't miss this time to discuss the issues and develop action plans that are meaningful to you!

4:30 TO 5:00 P.M.

Mauı (Room 316)

CLOSING

CHRIS CHIESA, CHAIR

BILL THOMAS, VICE CHAIR

ADAM STEIN, EXECUTIVE DIRECTOR

Hawaii Convention Center

Level
3

LEGEND

- Information desk
- Business center
- 808 Coffee Cafe
- First aid
- Escalator (Down) (Parking)
- Escalator (Up & Attic)
- Elevator
- Restroom (Men)
- Restroom (Women)
- Pay phone
- TDD/TTY
- ID/Pass
- ATM
- Lending area
- Water fountain
- Smoking area
- LCD board
- Parking
- Entrance
- Automatic entry door
- Planter / grass area
- Service cart



HAWAII CONVENTION CENTER

3 MEETING ROOM / THEATERS

Notes

Mahalo to our Sponsors and Supporters

The Pacific Risk Management 'Ohana and the Partnership for Pacific Resilience would like to thank the many organizations, entities, individuals, and supporters who have made this event possible. Without the entire 'ohana, this conference would not have been successful.



Coastal Storms Program



Pacific Risk Management 'Ohana

PRiMO (Pacific Risk Management 'Ohana) is a consortium of local, national, and regional agencies, institutions, and organizations committed to enhancing the resilience of Pacific communities to hazards. PRiMO is comprised of working groups (huis) that bridge the information gap between service providers, decision makers, and other stakeholders. Current focus areas include; Risk Assessment and Planning, Communications, Training and Education, Indigenous Knowledge and the Environment (IKE), and Information Access and Geospatial Technology.

Partnership for Pacific Resilience

The Partnership for Pacific Resilience (PPR) will look across the landscape of disaster risk reduction (DRR) for the entire Pacific, and serve as a vehicle to support, foster, promote, and develop partnerships. The annual meeting is but one of those ways in which to do this. In essence, PPR will serve as a vehicle that builds coalitions and organizes stakeholders around DRR priority areas identified by the board, PRiMO members, and others associated with PPR. It will also serve as an access point to the wealth of data and information residing within its partnership network, and facilitate knowledge exchange between the Pacific and other communities by taking advantage of the expertise and capacity residing with PPR.