



WESTERN FORESTRY  
LEADERSHIP COALITION

**2023 Pacific Islands Forestry Committee (PIFC) Technical Training Workshop Agenda**  
**Workshop Theme: Collaboration & Cohesion for Professional Development**

**General Workshop Layout**

	<b>Monday</b> December 4	<b>Tuesday</b> December 5	<b>Wednesday</b> December 6	<b>Thursday</b> December 7	<b>Friday</b> December 8
0700	<b>Breakfast (on your own)</b>				
0800	<b>Sign in and Networking</b>				
0830	Welcome, Logistics, Plenary	Monitoring, Data Analysis & Management	Climate, Fire & Invasives – PART I	AM Field trip (Departing 8:30 am) <b>OR</b> Workshop 6a*	Telling our Stories
1000	<b>Break</b>				
1030	Research, Forest Products & Markets	Workshop 2*	Workshop 4*	AM Field trip <b>OR</b> Workshop 6a*	Workshop 7*
1200	<b>Lunch (Provided)</b>				
1300	Building Capacity	Using Technology	Climate, Fire & Invasives – PART II	PM Field trip <b>OR</b> Workshop 6b*	Group Presentations
1430	<b>Break</b>				
1500	Workshop 1*	Workshop 3*	Workshop 5*	PM Field trip <b>OR</b> Workshop 6b*	Close out/ Adjourn
1630	<b>Group Wrap Up</b>			1615 – Invasive Species Presentation	
1700	<b>Adjourn/ Optional Group Activities</b>				

\* Workshops – participants will split up into one of these four program-specific groups for breakout discussions: A) Cooperative Fire; B) Forest Health; C) Grants/Administration; D) Landowner Assistance/Urban & Community Forestry

**MONDAY - December 4, 2023**

- **WELCOME (90 min)**
  - **Hawaiian Welcome Ceremony:** Institute of Pacific Islands Forestry (IPIF) and Hālau 'Ōhi'a
  - **Welcoming Remarks**
    - Christine Fejeran, Pacific Islands Forestry Committee (PIFC) Chair
    - Jennifer Eberlien, US Forest Service (USFS) Pacific Southwest (R5) Regional Forester
  - **Program Overview:** Review sessions, logistics, group assignments with goal to have a full product by end of week to present to group – Christine Fejeran
  - **Plenary Keynote:** Adapting to Changing Forest Conditions in the Pacific Islands – Kialoa Mossman, Consulting Planner at G70 and Kaulunani Urban Forestry Advisory Council member
  
- **FOREST PRODUCTS & MARKETS (90 min):** Presentations on agroforest, timber and other forest products and market systems. Discussion about opportunities that exist to develop markets for trees/other forest products and services in the Pacific Islands
  - Session Host: Helena Murray, USFS R5 Wood and Biomass Utilization Program Leader
  - Topic and Speakers:
    - Milling overmature coconut trees – Jalesi Mateboto, Forester for The Pacific Community (SPC)
    - Hardwood milling – Alex Woodbury, Kamuela Hardwoods
    - Yap Landscape Scale Restoration (LSR) Breadfruit Project Overview – Val Orhaitl, Yap Urban and Community Forestry Program Leader
    - Marshall Islands "Breadfruit Project" (collecting local varieties, getting into tissue culture of potentially salt-resistant varieties) – Risa Kabua Myazoe, Chief of Agriculture & Vincent Enriquez, Researcher
  
- **BUILDING CAPACITY (90 min):** Workforce development through various education, training and internship opportunities
  - Session Host: Miranda Hutten, USFS R5 Urban & Community Forestry Program Leader
  - Topic/Speakers:
    - International Society of Arboriculture (ISA) training – Caitlyn Pollihan, ISA Executive Director
    - MCT capacity assessment and scholarships – Tamara Greenstone-Alefaio, MCT Deputy Director for Conservation and Climate Change
    - Kupu Americorp Interns – Matt Bauer, Kupu Chief Operating Officer
    - Developing a Curriculum (DACUM) needs – Irene Sprecher, Forest Solutions, Inc. President
    - USFS IPIF internships, fellowships, technical assistance – Dr. Susan Cordell, USFS IPIF Director

- **WORKSHOP 1 (90 min):** Goals – share existing research resources, identify gaps/needs, suggest priorities for obtaining and sharing research, expanding forest products/markets and/or building capacity, including DACUM feedback
  - Four groups that will meet all week and other topics for them to cover:
    - A. **Coop Fire Conveners:** Barb Geringer, USFS R5 Cooperative Fire Assistant Director & Dr. Susan Cordell; **Speaker:** Kendra Fallon, USFS Fire Ecologist – fire effects and burned area response; **Other Topics:** Federal Excess Property, fire prevention
    - B. **Forest Health Conveners:** Dr. Stacy Hishinuma, USFS R5 Regional Entomologist & Dr. Marc Hughes, USFS IPIF Plant Pathology Scientist; **Topics:** coconut rhinoceros beetle, invasive ants, biocontrol, Phellinus, biosecurity plan updates
    - C. **Grants/Administration Conveners:** Beverly Smith, USFS R5 Grants & Agreements Program Leader & Chris Fischer, USFS R5 State & Private Forestry Deputy Director; **Topics:** grant writing/narratives; completing federal forms; reporting/billing; record keeping
    - D. **Landowner Assistance/UCF Conveners:** Katie Friday, USFS R5 Hawaii & Pacific Islands Landowner Assistance Program Leader & Miranda Hutten; **Topics:** increasing outreach and assistance to landowners and communities with the support of newly funded programs for Reforestation/Nurseries, Urban & Community Forestry
  
- **DAILY WRAP UP (20 min)**
  - Facilitator: Lajikit Rufus, PIFC Vice Chair
    - Facilitated session inviting feedback from each workgroup to share ideas about what we heard today, ah-ha moments, areas to follow up on this week or into future
    - Request participants to complete daily feedback form

## TUESDAY - December 5, 2023

- **MONITORING – EFFECTIVELY, COLLECTING, USING & SHARING RESULTS (90 min):** Presentations and panel discussion about successful monitoring examples, best practices for data management & analysis, using monitoring results to make decisions, sharing data and documents with communities and managers.
  - Session Hosts/Facilitators: Dr. JB Friday, University of Hawaii Cooperative Extension & Jonathan Marshall, USFS Forest Inventory & Analysis (FIA)
  - Topic/Speaker:
    - Intensification of Pohnpei FIA survey to get at data for the protected areas – Tamara Greenstone Alefaio, MCT Deputy Director for Conservation and Climate Change
    - Palau monitoring program – River Thomas, USFS IPIF Research Fellow
    - Mangrove monitoring on Palau – Dr. Rich MacKenzie, USFS Research Scientist
    - Guam's data on non-forest plots to improve understanding of fuel loads – Christine Fejeran, Guam Forestry Division Chief
    - DOFAW's monitoring – Thiago Vargas & Rob Hauff, DOFAW
    - FIA program in the Pacific – Jonathan Marshall, USFS Pacific Islands Assistant Coordinator

- Simple monitoring of trials and outplanting efforts – Dr. JB Friday, UH Extension Forester
- **WORKSHOP 2 (90 min):** Goals – share common monitoring issue within each breakout group to illustrate topic-specific examples; define monitoring and data analysis priorities across islands, what are needs (tools, equipment, strategies, people, training, etc.); identify next steps within each breakout group
  - A. **Coop Fire Conveners:** Barb Geringer, Dr. Susan Cordell – Monitoring needs; Speakers: Christine Fejeran & Ally Earl
  - B. **Forest Health Conveners:** Dr. Stacy Hishinuma, Dr. Marc Hughes
  - C. **Grants/Administration Conveners:** Beverly Smith, Chris Fischer
  - D. **Landowner Assistance/UCF Conveners:** Katie Friday, Miranda Hutten
- **USING TECHNOLOGY (90 min):** Presentation or demonstration of existing technologies that HI/PI foresters can be using in their work
  - Session Host: Dr. Romina King, Pacific Islands Climate Adaptation Science Center Lead, University of Guam (UoG)
  - Topic/Speaker:
    - Establishing baselines and monitoring with Unmanned Aerial Systems (drones) and satellite imagery (aerial platforms) – Lajikit Rufus, Republic of the Marshall Islands Chief of Forestry, Dr. Ryan Perroy – UH Research Scientist, Juddson Nelson- Marshall Islands Conservation Society- Conservation Program Officer
    - Hawaii Tree Viewer for disadvantaged communities – Miranda Hutten
    - Tracking what imagery is available for vegetation mapping – Tony Kimmet, NRCS-National Imagery Leader at USDA-NRCS
    - Satellite imagery monitoring drought stress status- David A. Helweg, Senior Liaison for Insular Relations- US Geological Survey
    - Technology use in fire management – Julian Dendy, USFS FIA Pacific Islands Specialist and Ally Earl
    - Machine Learning and Coconut Rhinoceros Beetle Detection and Monitoring – Dr. Aubrey Moore, UoG Research Entomologist and Extension Specialist
- **WORKSHOP 3 (90 min):** Goals – Share what technology is being used in the breakout program area, share examples from the islands with one another; identify what’s missing and priority tools, training or products are needed to be take next steps
  - A. **Coop Fire Conveners:** Barb Geringer, Dr. Susan Cordell – Facilitated discussion
  - B. **Forest Health Conveners:** Dr. Stacy Hishinuma, Dr. Marc Hughes
  - C. **Grants/Administration Conveners:** Beverly Smith, Chris Fischer
  - D. **Landowner Assistance/UCF Conveners:** Katie Friday, Miranda Hutten
- **DAILY WRAP UP** (same as 1<sup>st</sup> Day)

### **WEDNESDAY - December 6, 2023**

- **CLIMATE, FIRE & INVASIVES - PART I (90 min):** Presentations and panel on how this cycle is impacting Pacific forest ecosystems

- Session Hosts/Facilitators: Dr. Susan Cordell, Barb Geringer
- Topic/Speakers:
  - How this cycle is impacting Pacific Forest ecosystems – Dr. Clay Trauernicht, University of Hawaii (UH) Extension Specialist in Ecosystems & Fire
  - Palau’s National Wildfire Network and Plan & the Western Pacific Wildfire Network - Ann Singeo, Ebiil Society Executive Director & Elizabeth Pickett, Hawai’i Wildfire Management Organization (HWMO)
  - Wildfire Program in Guam – Christine Fejeran, Guam Forestry Division Chief
- **WORKSHOP 4 (90 min):** Goals: discuss the impacts of climate, fire &/or invasives on your program area, what gaps/needs exist, priorities you’d like the program to work on together over next 2 years. Speakers from session 1 will participate in a facilitated discussion.
  - A. **Coop Fire Conveners:** Barb Geringer, Dr. Susan Cordell; **Speakers:** Dr. Clay Trauernicht, Ann Singeo, Elizabeth Pickett, Christine Fejeran
  - B. **Forest Health Conveners:** Dr. Stacy Hishinuma, Dr. Marc Hughes
  - C. **Grants/Administration Conveners:** Beverly Smith, Chris Fischer
  - D. **Landowner Assistance/UCF Conveners:** Katie Friday, Miranda Hutten
- **CLIMATE, FIRE & INVASIVES – PART II (90 min):** Presentations and panel on options for addressing Pacific Forest ecosystems (biocontrol, drought, agroforestry as shaded fuel breaks)
  - Session Hosts/Facilitators: Dr. Susan Cordell, Barb Geringer
  - Topic/Speakers:
    - Biocontrol of Invasive Grasses – Dr. Tracy Johnson, USFS IPIF Research Scientist
    - Pacific Drought Knowledge Exchange – Derek Ford, East-West Center Project Specialist
    - Agroforestry options for shaded fuel breaks – Amanda Uowolo, USFS International Programs Ecologist for Asia/Pacific & Dr. Zoe Hastings Silao, USFS IPIF Research Scientist
- **WORKSHOP 5 (90 min):** Goals – discuss the options for addressing Pacific Islands wildfire, invasive species or climate change in your program area, what gaps/needs exist, priorities you’d like the program to work on together over next 2 years. Speakers from session 2 will participate in a facilitated discussion.
  - A. **Coop Fire Conveners:** Barb Geringer, Dr. Susan Cordell **Speakers:** Dr. Tracy Johnson, Derek Ford, Amanda Uowolo, Dr. Zoe Hastings Silao
  - B. **Forest Health Conveners:** Dr. Stacy Hishinuma, Dr. Marc Hughes
  - C. **Grants/Administration Conveners:** Beverly Smith, Chris Fischer
  - D. **Landowner Assistance/UCF Conveners:** Katie Friday, Miranda Hutten
- **DAILY WRAP UP** (same as 1<sup>st</sup> Day)

#### **THURSDAY - December 7, 2023**

**CONCURRENT SESSIONS: FIELD TRIP/WORKSHOP** (half-day) – Similar sessions repeated for morning and afternoon groups (divide participants in two groups for day – participants stay with their group whole day; participants can self-select for open seats by end of Tuesday, Dec. 5):

- **FIELD TRIP:** ½ day visit to local sites to view and discuss issues/projects:
  - **Morning** – Keaukaha Military Reservation – Hybrid Forests: Discuss Challenges to Forest Restoration and view a restoration experiment using a hybrid ecosystem approach (the use of native and non-native but non-invasive species).
  - **Afternoon** – Miconia & Albizia management: several stops to address invasives early detection, rapid response, eradication, management, introduced species escaping gardens/urban settings.
- **WORKSHOP 6a & 6b:** World Café-style sessions for participants to meet with USFS Program Mangers & Researchers on their topics of interest; work on pulling together this week’s workshop notes into presentation for Friday.
  - One-on-one or group consultation on Cooperative programs, e.g. individual island FY24 grant funding plans/projects, program Q&As, grants management/best practices, training and technology sharing, etc.
  - Working session for developing Friday’s Program Area PowerPoint presentations
- **4:15 - 5:00 Big Island Invasive Species Committee (BIISC) Presentation (All Invited)**– Tools for screening species for invasiveness: IPIF-developed Weed Risk Assessment, [plantpono.org](http://plantpono.org), Pacific Islands Ecosystems at Risk reports. Complements field trip in a conference room setting, providing a tool to put field trip insights to work.
- **DAILY WRAP UP**

#### FRIDAY - December 8, 2023

- **TELLING OUR STORIES (90 min):** Presentations and panel discussions on outreach and communication materials.
  - Session Host: Melissa Kunz, USFS PSW Science Delivery Specialist
  - Topics/Speakers:
    - Introduction & Tools/Basic Considerations when Telling a Story – Melissa Kunz
    - Panel with Island members that have created products from State Fact Sheets – Sara Goodwin, Western Forestry Leadership Coalition Director of Communications. This presentation will highlight the work with each Pacific Island to develop communication materials and products.
      - Little Fire Ant infographics, translation of brochure, and LSR handout – Denis (DJ) Sene Jr., American Samoa Forestry Program Manager & Territorial Forester
      - Nursery handout, tree flashcards, and general handout – Lajikit Rufus
      - Monitoring infographics and general handout – River Thomas
      - Fire curriculum communications plan and LSR handout – Christine Fejeran
    - Use of social media in the islands: Using social media to share information with their communities; where to start (capacity considerations, staffing), best practices, tips and tricks outreach events – Christine Fejeran
    - Stories through voices, knowledge, and vision: Capacity Building with American Samoa’s Internship Program – Nellie Mercy Lisala, Puataunofu Tofaeono, Talofa J. Fe’a, American Samoa Community College Interns
      - Outreach and recruiting

- Benefits of having young student interns
- Engaging the community/engaging a new generation of foresters
- Incorporating art and music
- Use of social media and video
- Unique partnerships
- Wrap Up – Melissa Kunz
  
- **WORKSHOP 7 (90 min):** discuss and share what story telling resources your forestry teams are using, highlight your best stories of the past three years; identify needs for additional products or actions you'd like on your island in the next two years.
  - A. **Coop Fire** Conveners: Barb Geringer, Dr. Susan Cordell; Speakers: Melissa Chimera, Melissa Kunz, Christine Fejeran
  - B. **Forest Health** Conveners: Dr. Stacy Hishinuma, Dr. Marc Hughes
  - C. **Grants/Administration** Conveners: Beverly Smith, Chris Fischer
  - D. **Landowner Assistance/UCF** Conveners: Katie Friday, Miranda Hutten
  
- **GROUP PRESENTATIONS (120 min)** – Each workshop group will present summaries of their discussions this week to full group and invite discussion and feedback on any next steps
  - 15 minutes for each of the four groups (A, B, C, D)
  - Highlight successes
  - Share recommendations for additional needs and when/where/how to deliver over next two years
  
- **CLOSE OUT COMMENTS & CERTIFICATES (30 min)** – Christine Fejeran, PIFC Chair & Lajikit Rufus, PIFC Vice Chair
  
- **ADJOURN & CELEBRATE**