The Pacific Islands Climate Change Cooperative

Loyal Mehrhoff, USFWS Deanna Spooner, PICCC Jeff Burgett, PICCC

PICCC

- Pacific Islands Climate Change Cooperative (PICCC)
- 21 DOI Landscape Conservation Cooperatives (LCC)
- On-the-ground conservation:
 - Partnership driven
 - Landscape/seascape scale
 - Emphasis on climate change adaptation
 - Species, ecosystem, and cultural

LCCs...

- Catalyst for partnership efforts
- Staff and funding
- Focus on science, planning, implementation



Pacific Islands Climate Change Cooperative Geographic Area

Hawaiian <u>I</u>slands

Mariana Islands

Equator

Anti-Prime Meridian

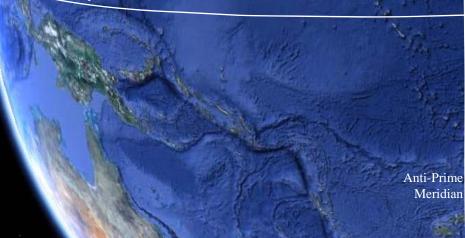
American Samoa

Pacific Islands Climate Change Cooperative Geographic Area



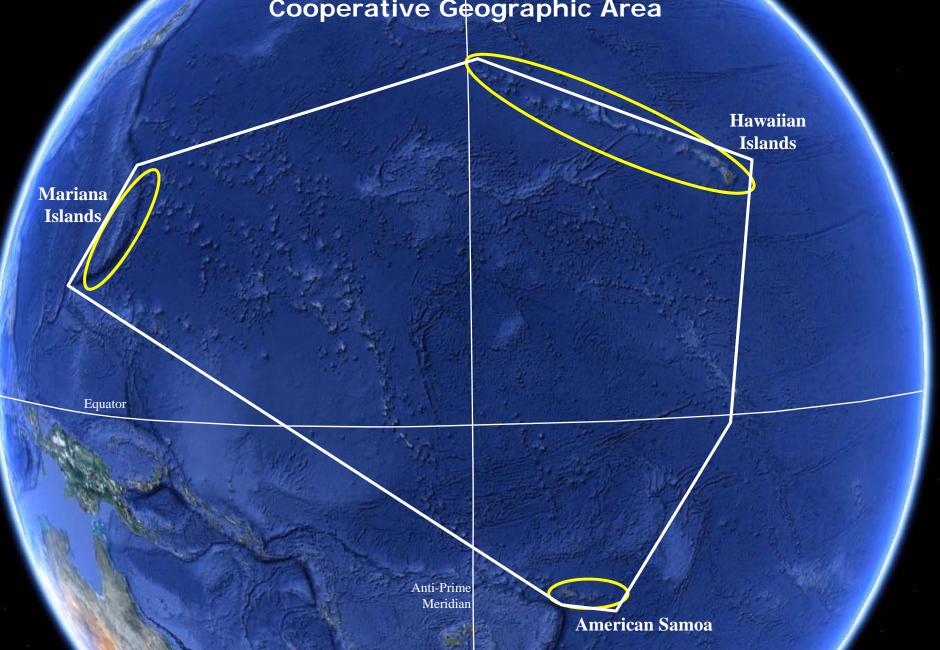
Mariana Islands

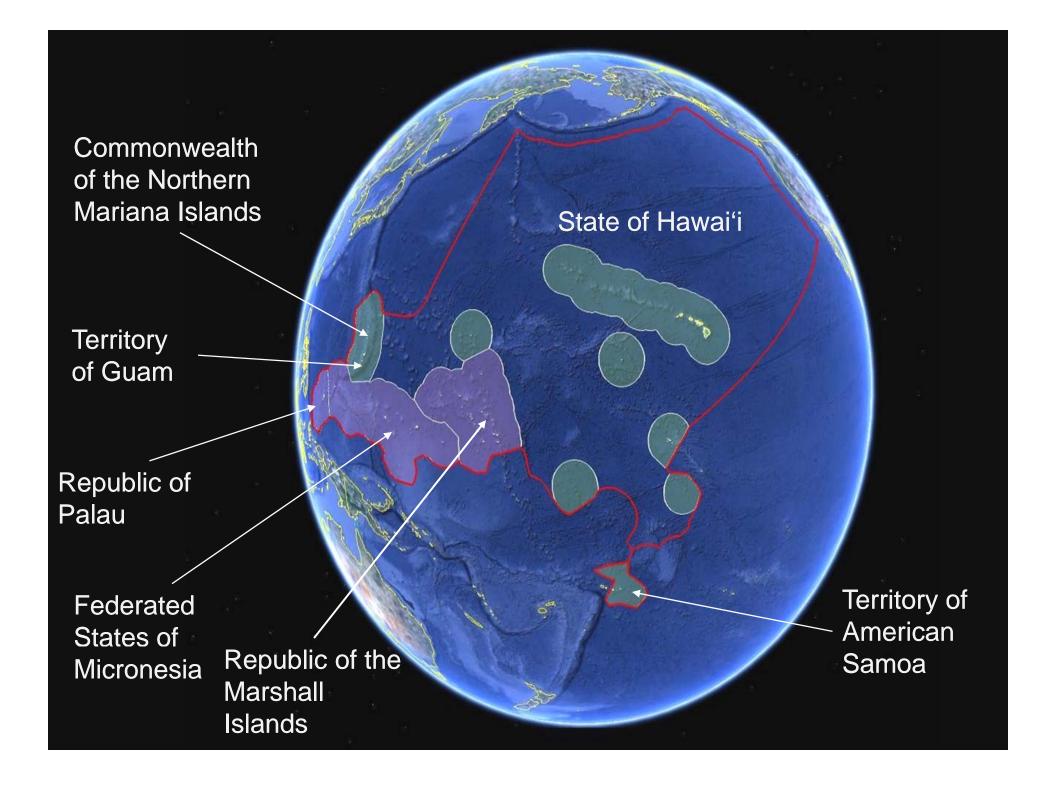
Equator





Pacific Islands Climate Change Cooperative Geographic Area

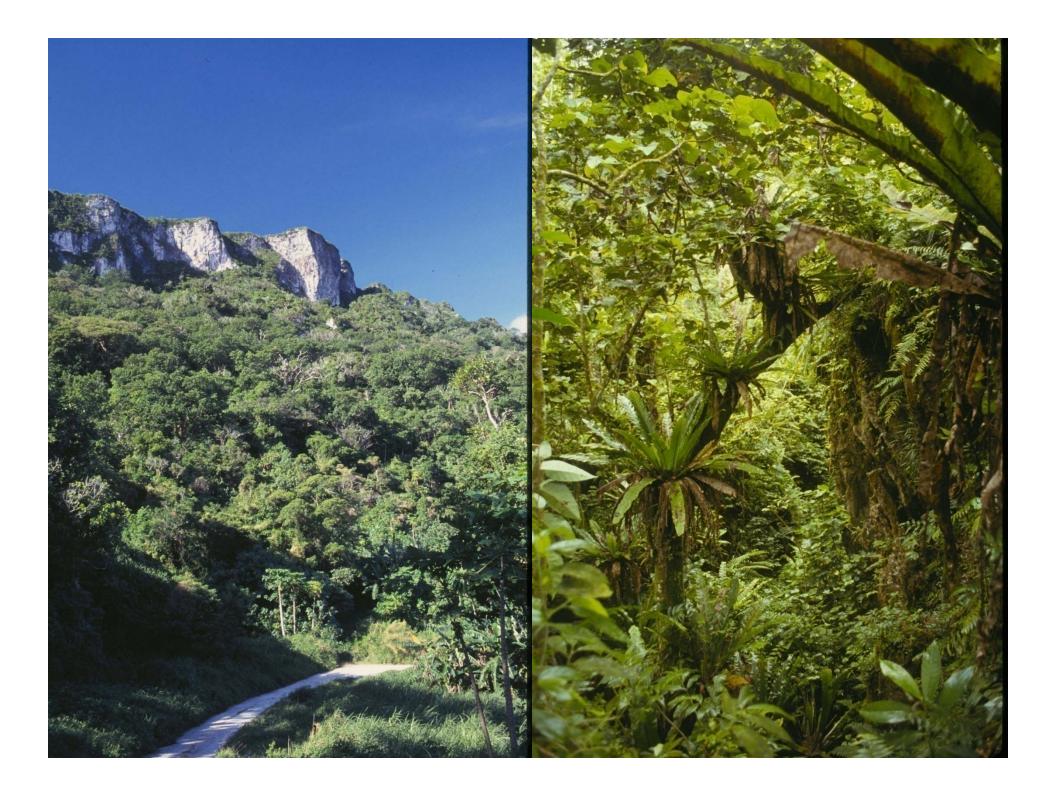
























Hawai'i Conservation Alliance

Leaders in Environmental Management, Research and Education

- Pacific Islands Climate Change Cooperative (PICCC)
- Hawaii Conservation Alliance (HCA) is the host organization
- Challenge: expand beyond Hawaii and traditional conservation agencies

PICCC: Current Status

27 members committed





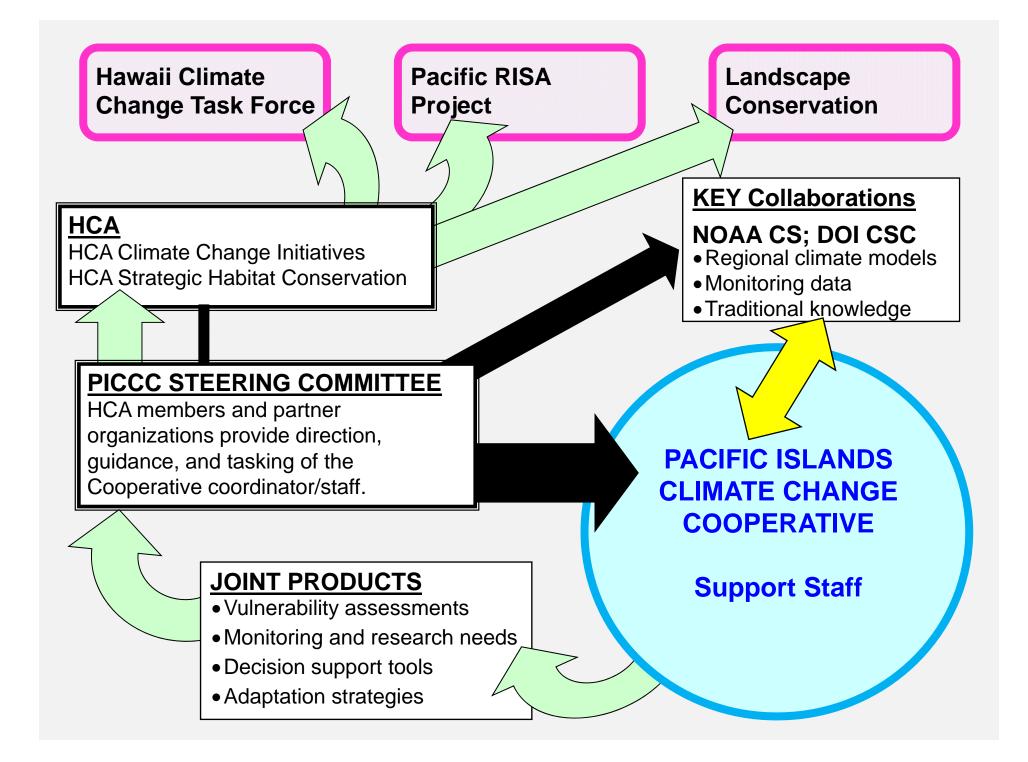


PICCC: Current Status

- 27 members
- Steering Committee formed
- LCC Coordinator & Science Manager hired
- PICCC Charter signed
- Five research projects funded

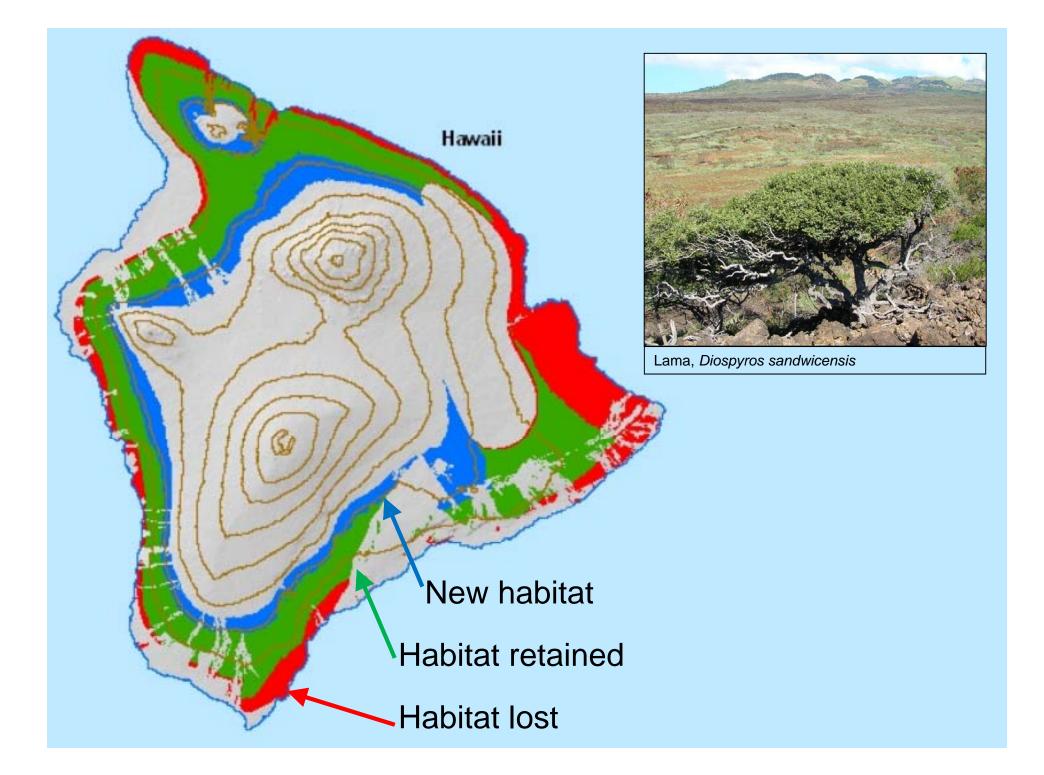


LCC Staffing **LCC Coordinator Science Manager Climate scientist Communications specialist Admin support Data/GIS manager Cultural resource specialist Ecosystem modeler Species modeler (2) Bio-climate habitat modeler Traditional knowledge specialist**



The "To Do List"

- Hire additional staff
- Start vulnerability assessments
- Build capacity in PICCC partners
- Develop adaptation plans
- Implement adaptation plans



PICCC Projects Underway

- Second Generation precipitation model for Hawaii
- Dynamic climate models for Pacific Islands
- Sea Level Rise impacts on conservation areas in Hawaii
- Upgrade climate monitoring on Maui
- Research on coral reef buffering in American Samoa

PICCC Summary

- LCCs are an opportunity!
- Collaborative science for adapting to climate change
- Landscape conservation partnerships with social, cultural, and economic efforts
- Jump start adaptation strategies

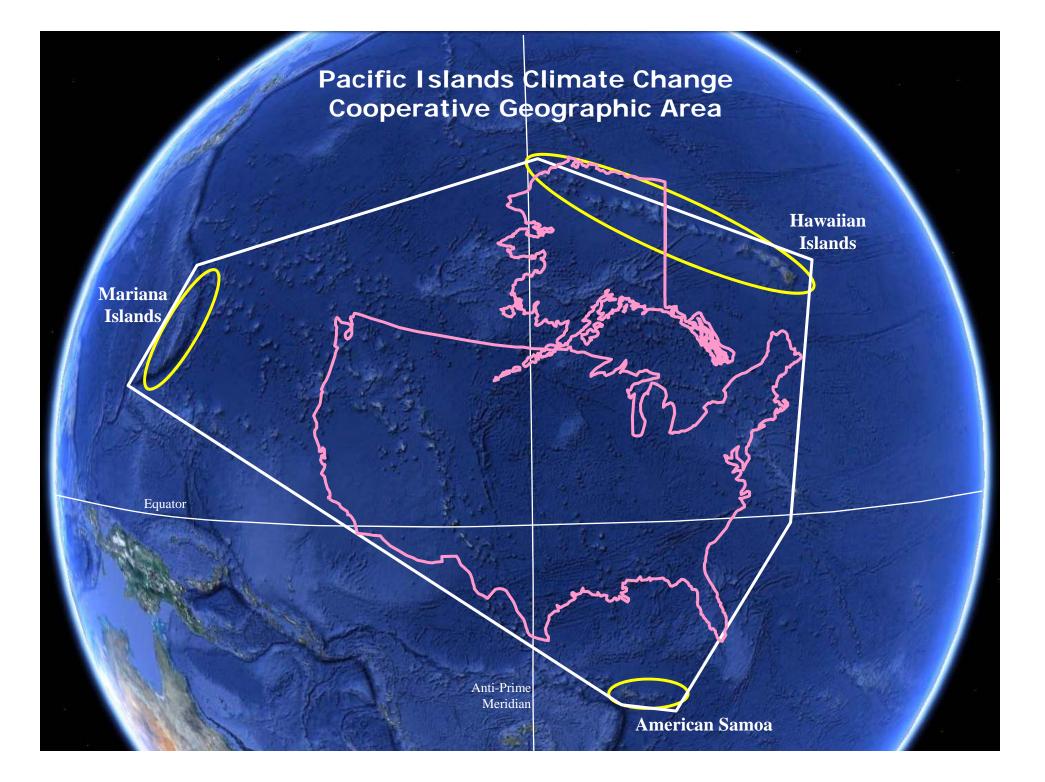


PICCC Contacts

Deanna Spooner PICCC Coordinator Honolulu, Hawai'i deanna.spooner@piccc.net

> Jeff Burgett PICCC Science Manager Honolulu, Hawai'i jeff.burgett@piccc.net

LCC Staffing: Needed Marine modelers Social scientists

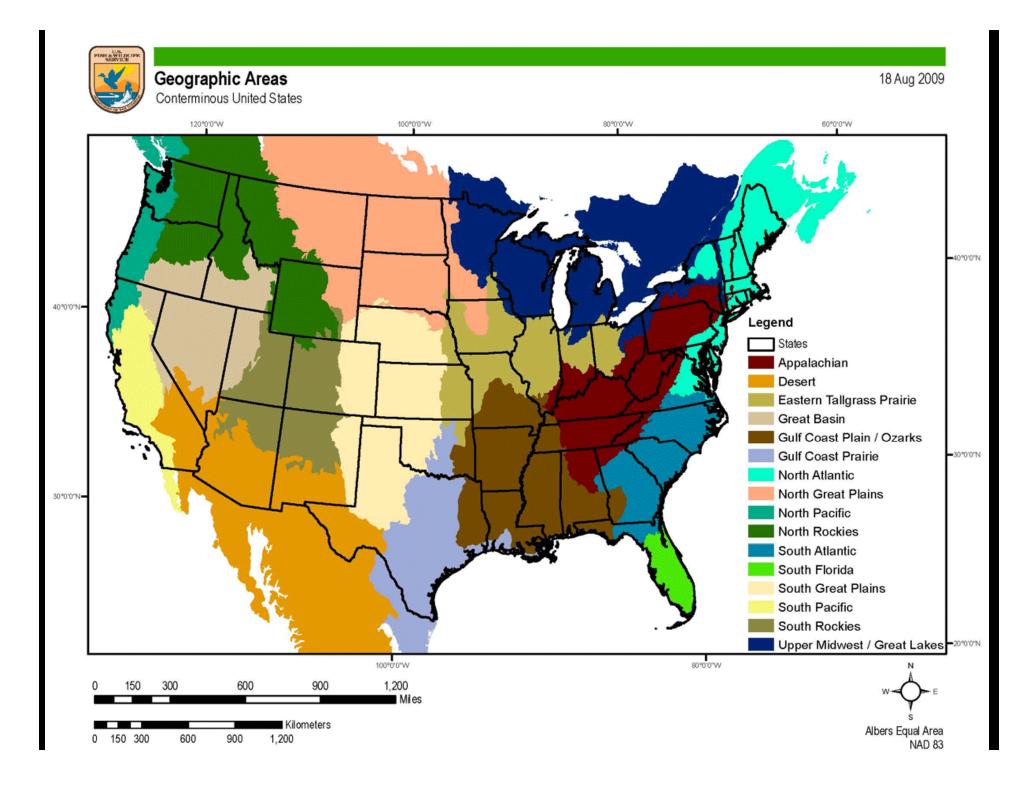


~ALOHA,Hokule'a~ 「ホクレア号が横浜にやってくる!」 関連イベント @BankART Studio NYK

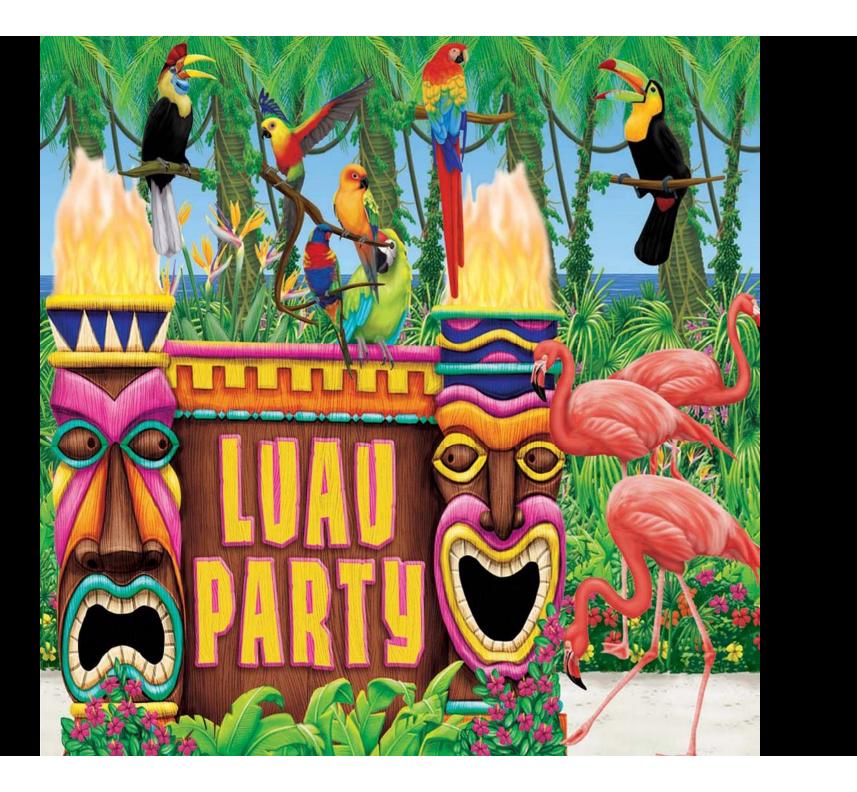
2007 年 6 月 9 日 (土) -17 日 (日) 主催:機正市港湾局、ヨコハマ・シーサイド・フェスティバル連絡修繕金 協力:サンディーズ・フラスタジオ、(株) 五藤光学研究所, BankART1929

HOKULEA

写真提供:ハワイ州観光局



If you Google "Hawaiian Culture"....



Current climate





'Disease-free' above 1600 m

+3° C future climate



'Disease-free' above 2300 m but no forest?