

# ***The Pacific Islands Climate Change Cooperative***

Strategic Conservation in the  
Era of Global Change

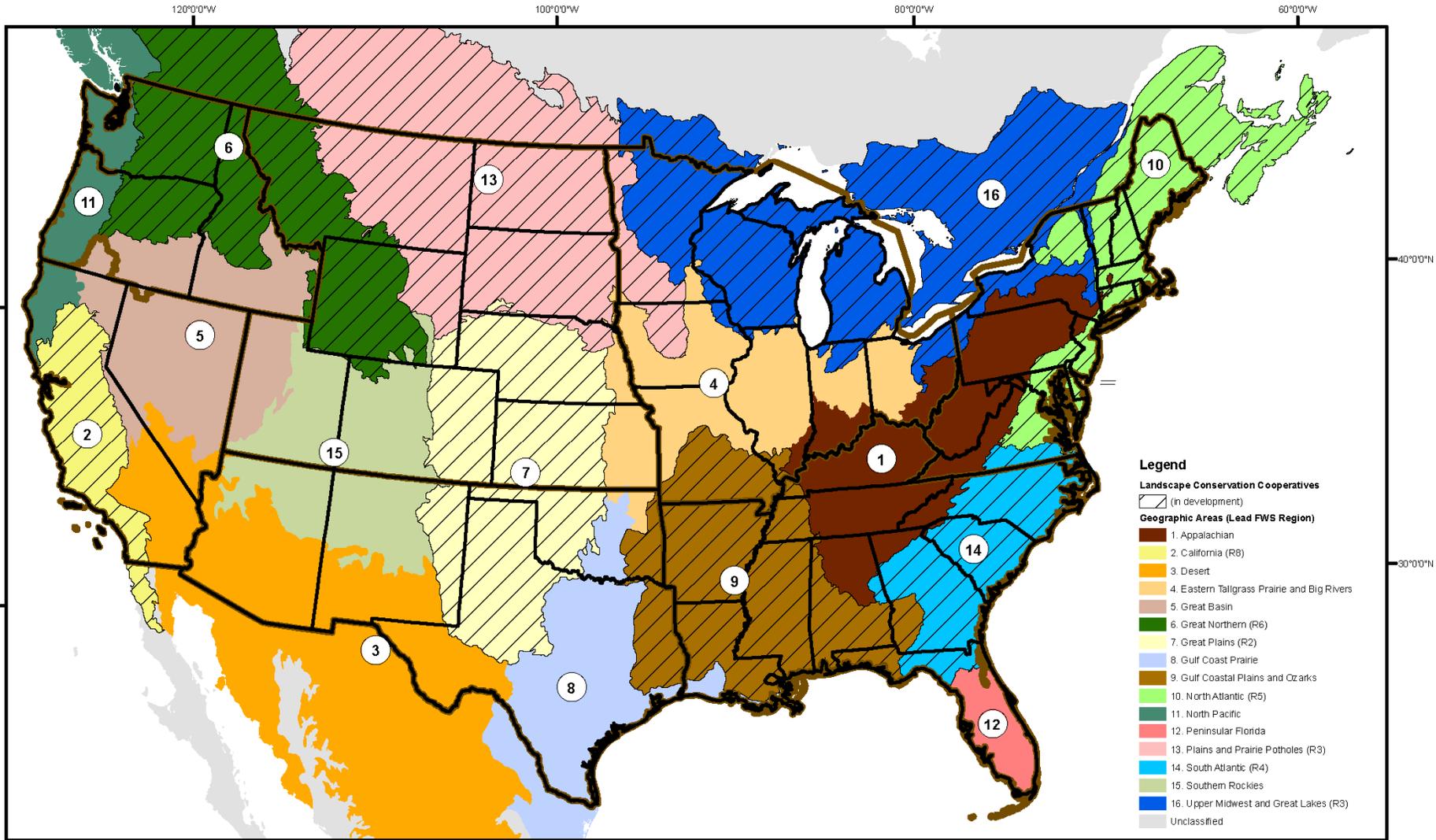
# Landscape Conservation Cooperative

- An LCC is an “applied conservation science partnership focused on a defined geographic area that informs on-the-ground strategic conservation efforts at landscape scales.”
- Its function is to “to provide scientific and technical expertise to produce landscape-scale conservation designs. A secondary function of LCCs will be building interdependent partnerships to develop shared conservation goals and satisfy shared science needs.”



# U.S. Department of the Interior

## Landscape Conservation Cooperatives - Interim Geographic Framework



0 175 350 700 1,050 1,400 Miles

0 400 800 1,600 2,400 3,200 Kilometers

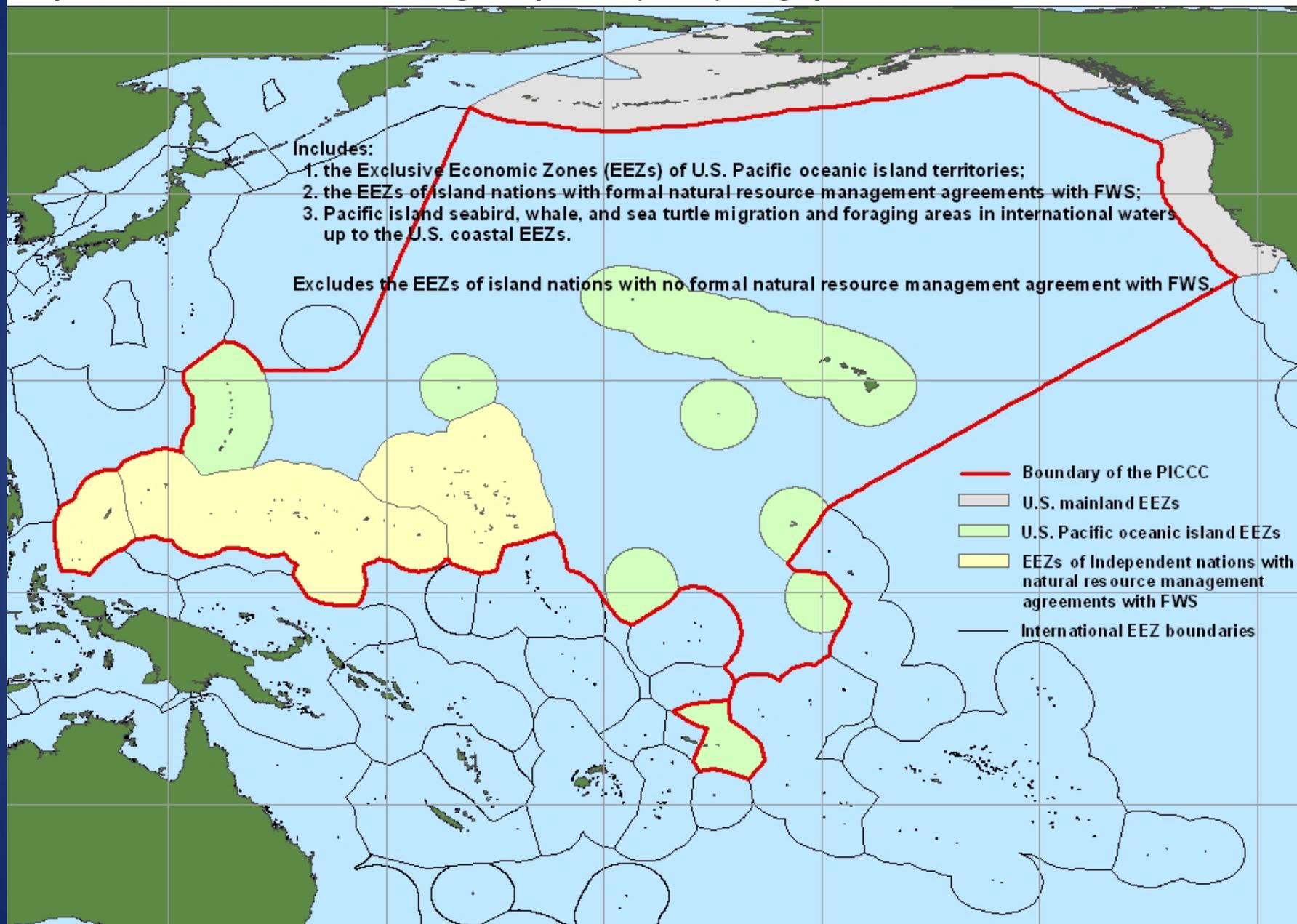


## Proposed Pacific Islands Climate Change Cooperative (PICCC) Geographic Area

**Includes:**

1. the Exclusive Economic Zones (EEZs) of U.S. Pacific oceanic island territories;
2. the EEZs of island nations with formal natural resource management agreements with FWS;
3. Pacific island seabird, whale, and sea turtle migration and foraging areas in international waters up to the U.S. coastal EEZs.

**Excludes the EEZs of island nations with no formal natural resource management agreement with FWS**



## Joint Actions

Habitat restoration  
Wildlife corridors  
Species conservation  
Data sharing

## Individual Actions

Land mgt plans  
Land acquisition  
Habitat restoration  
Fire management  
Invasive species control

## KEY DATA INPUTS

CSCs, Universities, Partners

- Regional climate models
- Down-scaled models
- Monitoring data
- Targeted research

## PICCC STEERING COMMITTEE

Federal/State agencies, NGOs, others

- Provides direction, guidance, and directs resources towards priorities

## PRODUCTS

- Vulnerability assessments
- Down-scaled model applications
- Species range shifts
- Adaptation strategies
- Communication tools

**Landscape Conservation Cooperative (PICCC)**

**Science and Support Staff**

# PICCC members...



*Hawaii Wetland Joint Venture*



Hawai'i Conservation Alliance

*Leaders in Environmental Management, Research and Education*



The Nature Conservancy



Protecting nature. Preserving life.™



PACIFIC SCIENCE ASSOCIATION



OFFICE OF HAWAIIAN AFFAIRS



U.S. FISH & WILDLIFE SERVICE

DEPARTMENT OF THE INTERIOR



KAMEHAMEHA SCHOOLS



# PICCC staffing

FWS

NPS

USGS

HCA

- Coordinator
  - Science manager
  - Species modeler
  - Monitoring specialist
  - Administrative assistant
  - GIS/Data specialist
  - Hydrologist (p/t)
- Cultural resource specialist
  - 2 Ecosystem modelers
  - Traditional Ecological Knowledge specialist
  - Unfilled: marine, outreach, social science, monitoring teams....

# Bottom Line

- This year FWS hires directly or via RCUH
  - Coordinator & Science Manager
  - Administrative assistant
  - Modelers for ecosystems and species
  - GIS/Data specialist
  - Additional position
- Leases, remodels and equips office space
- Must expend \$150k-\$300k in science funds

# Currently...

- PICCC is looking to fund
  - Dynamic downscaled climate for Hawai'i (IPRC)
  - Native bird, plant distribution atlas
  - Native bird, plant viability analyses
  - Other small studies this year
- Later
  - SLR impact models
  - Communication/visualization tools
  - Downscaled climate for Marianas, Samoa, etc.

# ORMP WG and PICCC

- Conservation must integrate with, not compete with, other adaptation priorities
- PICCC brings scientific horsepower, new tools, and funds
- WG and Policy Group bring state sectors and local focus
- How to coordinate and complement efforts?