The Pacific Islands Climate Change Cooperative

Strategic Conservation in the Era of Global Change
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.”
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

Joint Actions
- Habitat restoration
- Wildlife corridors
- Species conservation
- Data sharing

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

USGS
Science for a changing world

OHA
Office of Hawaiian Affairs

The Nature Conservancy
Protecting nature. Preserving life.

PACIFIC SCIENCE ASSOCIATION

KAMEHAMEHA SCHOOLS

U.S. FISH & WILDLIFE SERVICE

U.S. DEPARTMENT OF AGRICULTURE
Malama na Koa

NOAA
National Oceanic and Atmospheric Administration

FOREST SERVICE
U.S. Department of Agriculture

FORESTRY AND WILDLIFE
HAWAII
PICCC staffing

FWS
- Coordinator
- Science manager
- Species modeler
- Monitoring specialist
- Administrative assistant
- GIS/Data specialist
- Hydrologist (p/t)

NPS
- Cultural resource specialist
- 2 Ecosystem modelers
- Traditional Ecological Knowledge specialist
- Unfilled: marine, outreach, social science, monitoring teams....

USGS

HCA
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?