

1-C. What are the goals and objectives?

Within the context of the NOAA Strategic Plan, our goals and objectives are:

1. Ecosystems:

- a. Sustain pelagic resources.
- b. Understand and rebuild near shore and bottom fisheries.
- c. Protect and restore protected species such as sea turtles and Hawaiian monk seals.

2. Climate:

- a. Assist in development of the integrated observing systems both coastally (overlaps with ecosystems) and globally.
- b. Conduct quality research in seasonal to inter-annual climate variability and prediction. The research focuses on the role of the Pacific and Indian Oceans, especially the equatorial oceans.
- c. Develop climate services for Hawaii and the Pacific Region.
Develop PEAC as a model for International efforts.

3. Weather and Water

- a. Conduct quality research in mesoscale weather impacting the Hawaiian Islands. Describe and understand and then predict extreme wind events, and heavy rains.
- b. Conduct quality research in all aspects of the tropical cyclone in support of both local interests and the US Weather Research Program.

- c. Continue to support development of Global Positioning System (GPS) water vapor detection as an atmospheric observing tool.
- d. Improve tsunami warnings through better lead times and reduced false alarms.
- e. Continue to improve understanding of tsunami run-up through basic modeling as well as study of related wave forms.

4. Cross-cutting Themes - Observations

- a. Assist in development of the global climate observing system.
- b. Establish a Pacific Regional Coastal Observing System.
- c. Maintain and extend the global sea-level monitoring network.
- d. Establish GPS as an atmospheric monitoring tool (see also Weather and Water).

5. Education and Outreach

- a. Establish a degree program in Fisheries and aquaculture at UH.
- b. Support interdisciplinary education through programs such as:
 - Global Environmental Science (UH SOEST)
 - Disaster Management and Humanitarian Affairs (UH College of Social Sciences)
- c. Sustain the Pacific International Training Desk.
- d. Provide outreach to the State of Hawaii and Pacific Islands in:
 - Fisheries assessment through existing NMFS mechanisms
 - Climate impacts via PEAC and other opportunities (East-West Center)

e. Continue to host international students on internships (primarily students from France). These students are supported by their governments to gain practical experience. They typically are interested in tropical meteorology, physical oceanography, and fisheries. Occasionally some return as graduate students to our programs.

6. International Collaborations

Sustain our efforts in

The Pacific Training Desk (affects WMO RA 5)

PEAC

The Scientific Committee on Tuna and Billfish

The International Pacific Research Center