



National Marine Sanctuary and Territory of American Samoa Adaptation Planning Workshop

September 14 and 15, 2016

Time:

8:30am – 4:00pm (Registration begins at 8:00 am)

Location:

Tauese P.F. Sunia Ocean Center

Purpose:

This 2-day workshop will include:

1. an overview of projected climate changes for the National Marine Sanctuary and American Samoa;
2. a review of the vulnerability assessment results;
3. adaptation planning examples and process;
4. evaluation and revision of current management goals and actions given vulnerabilities of the selected focal resources;
5. generation of new climate-informed management actions designed to reduce vulnerabilities or increase resilience of habitats, species, species assemblages, and ecosystem services; and
6. an initial prioritization of climate-informed management actions including where and how to implement.

Workshop Goal:

The goal of this workshop is to develop climate-informed adaptation strategies and actions to conserve priority resources in the National Marine Sanctuary and American Samoa. Participants will leave with an understanding of selected habitats, species, species assemblages, and ecosystem services vulnerabilities to climate change and a suite of adaptation actions that could be applied in at least one current project or activity.

WEDNESDAY SEPTEMBER 14, 2016

- 8:30-8:45 Welcome, *Gene Brighthouse, Superintendent, National Marine Sanctuary of American Samoa*
- 8:45-9:00 Participant Introductions: name and affiliation
- 9:00-9:15 Introduction to workshop goals and objectives, and orientation to vulnerability assessment and adaptation planning process. *Alex Score, Lead Scientist EcoAdapt*
- 9:15-9:25 Presentation: National Marine Sanctuary Program and Climate Change, *Catherine Marzin, Office of National Marine Sanctuaries*
- 9:25-9:40 Presentation: Climate trends in American Samoa, *Kelley L. Anderson Tagarino, University of Hawai'i Sea Grant College Program, American Samoa Community College and Sanctuary Advisory Council*
- 9:40-9:50 Presentation: American Samoan Government Climate Initiatives, *Kim McGuire, Coral Reef Advisory Group*
- 9:50-10:15 Introduction to climate change adaptation. *Rachel M. Gregg, EcoAdapt*

Focal Resources Breakout Groups: Coral Reef Habitat, Commercial Reef Fish, Coral Reef Herbivore Fish, Charismatic Reef Fish Assemblages and Giant Clams

- 10:15-10:45 **Activity 1:** Review Vulnerability Assessment of Focal Resources
- 10:45-11:45 **Activity 2:** Evaluate Current Management Actions (Worksheet 1)
- Brainstorm current management goals and actions and evaluate vulnerabilities to climate change
 - Revise current management actions given resource vulnerabilities
- 11:45-12:45 **Activity 3:** Identifying Possible Future Management Actions (Worksheet 2)
- 12:45-1:30 **LUNCH (provided)**

Focal Resources Breakout Groups: Mangroves/Lagoon Habitat and Water Quality

- 1:30-2:00 **Activity 1:** Review Vulnerability Assessment of Focal Resources
- 2:00-3:00 **Activity 2:** Evaluate Current Management Actions (Worksheet 1)
- Brainstorm current management goals and actions and evaluate vulnerabilities to climate change
 - Revise current management actions given resource vulnerabilities
- 3:00-3:55 **Activity 3:** Identifying Possible Future Management Actions (Worksheet 2)
- 3:55-4:00 Wrap up and next day preview. *Alex Score, EcoAdapt*

THURSDAY September 15, 2016

8:30-8:45 Opening comments and overview of day's objectives, *Alex Score and Rachel M. Gregg, EcoAdapt*

Focal Resources Breakout Groups (Cont.): Coral Reef Habitat, Commercial Reef Fish, Coral Reef Herbivore Fish, Charismatic Reef Fish Assemblages and Giant Clams *and* Mangroves/Lagoon Habitat and Water Quality

8:45-10:15 Review and prioritize possible current management and future adaptation actions identified on **Day 1** including effectiveness, feasibility, and where/when/how to implement

Focal Resources Breakout Groups: Sea Turtles, Sharks/Rays, and Pelagic Fish

10:15-10:45 **Activity 1:** Review Vulnerability Assessment of Focal Resources

10:45-11:45 **Activity 2:** Evaluate Current Management Actions (Worksheet 1)

- Brainstorm current management goals and actions and evaluate vulnerabilities to climate change
- Revise current management actions given resource vulnerabilities

11:45-12:45 **Activity 3:** Identifying Possible Future Management Actions (Worksheet 2)

12:45-1:30 **LUNCH (provided)**

1:30-2:00 Breakout groups report back to share current and future management actions

2:00-3:00 Large group discussion. Review and prioritize possible future adaptation actions including effectiveness, feasibility, and where/when/how to implement

3:00-3:30 Presentation: Effective communications for implementation support, *Catherine Marzin, Office of National Marine Sanctuaries*

3:30-3:45 Workshop wrap up and next steps, *Alex Score, EcoAdapt*