



**NOAA CORAL REEF CONSERVATION PROGRAM  
ECOSYSTEM SCIENCE EVALUATION  
AGENDA**

*August 23-25, 2016*



## MEETING DETAILS & OBJECTIVES

### DETAILS

Dates:

August 23-25, 2016

Location:

Fenton Room, Level 2  
Silver Spring Civic Building  
1 Veterans Plaza  
Silver Spring, MD 20910

<http://www.montgomerycountymd.gov/cupf/info-reservation/SSCB.html>

### OBJECTIVES

This science evaluation will focus on:

- (1) How well the information generated by CRCP research and monitoring supports CRCP Goals and Objectives 2010-2015;
- (2) The relevance and quality of the information for coral reef conservation and protection;
- (3) The effectiveness and efficiency of information translation and dissemination so that it is useful and used for management and conservation; and
- (4) The need for any adjustments to science priorities to address gaps and/or emergent federal and jurisdictional management needs.

The evaluation will be guided by the following desired outcomes:

- Information produced by the CRCP is efficiently obtained and delivered, of high quality, meets the goals of both the National Coral Reef Monitoring Plan and the CRCP Goals and Objectives, and is leveraged by coral reef conservation managers to support effective management decisions and fulfills other relevant legislative and management requirements;
- The CRCP ecosystem monitoring and research results are used to protect and conserve coral reef ecosystems;
- Coral reef managers are able to effectively access the best available scientific information; and
- NOAA's CRCP monitoring and research priorities and investments are guided by the requirements of the CRCP Goals and Objectives and any relevant legislation, and are informed by a continuing dialog among federal and non-federal scientists and managers.

### PANEL SESSION STRUCTURE

Oral presentations will contain:

1. Information, products, and tools produced from program leads
2. How that is being disseminated
3. How is intended to be used
4. Challenges
5. Future potential directions

Presenters and invited stakeholders will then field questions from panel members potentially using simple trigger questions based on the questions listed in the Terms of Reference

Please note that the times and presenters may change slightly as the agenda is refined.



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TUESDAY, AUGUST 23, 2016

**8:00 a.m.** Coffee and Executive Session

**8:30 a.m.** Welcome and Introductions (Jeff Payne, Jennifer Koss, and Panel Chair)

**9:00 a.m.** [Overview of CRCP Program](#) (Jennifer Koss)

**9:30 a.m.** Review of Manager's Survey and Results of Internal Assessment

*Objective: Panel has an understanding of the key findings from the survey of coral reef managers and the internal assessment.*

- [General outcomes of internal assessment](#) (Jennifer Koss)
- [Overview of managers' survey and results/outcomes of survey](#) (Marie Bundy and Lou Nadeau)
- Questions/discussion

**10:30 a.m.** Break and Refreshments

**10:45 a.m.** Foundational Efforts

*Objective: Panel has an understanding of the national status and trends monitoring data and foundational mapping information that CRCP provides to support other efforts.*

- Foundational Efforts Overview (Jennifer Koss)
- [NCRMP Overview of Program](#) (Justine Kimball)
- [Mapping data and mapping products such as benthic habitat maps](#) (Tim Battista and Annette DesRochers)
- Discussion

Presenters are joined by users of the information for an interactive discussion lead by the panelists (Jean-Pierre Oriol and Fran Castro)

**12:15 p.m.** Lunch (Eat Out)

**PRESENTATION AND DISCUSSION OF CRCP GOAL AREAS (PART 1)**

**1:30 p.m.** Climate Goal, Part I: Information/data applications (i.e., in-water data collection)

*Objective: Panel has an understanding of the Climate Portfolio and the results of the Internal Assessment pertaining to the Climate Goals as well as the in-water physical and chemical environmental data and metrics collected by the Program.*

- [Climate Overview/Internal Assessment Discoveries](#) (Britt Parker)
- In-water physical or chemical environmental data ([Tom Oliver - Monitoring in the Pacific](#) and [Derek Manzello - Monitoring in the Atlantic](#))
  - In-water metrics: carbonate chemistry; CAUs and BMUs; MAPCO2 buoys; calcification, accretion, coral growth
  - Ocean acidification research results

- Discussion:  
Presenters are joined by users of the information for an interactive discussion lead by the panelists (Dwight Gledhill)



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TUESDAY, AUGUST 23, 2016 (CONTINUED FROM PREVIOUS PAGE)

- 2:30 p.m.**      **Break**
- 2:45 p.m.**      **Climate Goal, Part II: Use of Information for Modeling, Forecasts, Resilience Strategies**  
*Objective: Panel has an understanding of how products and information from remote sensing and modeled data (e.g., Coral Reef Watch) and resilience assessments are informing managers of global and local reef status and condition.*
- [Modeling and forecasts \(i.e., remote sensing derived data, forecasts, and predictions\)](#) (Mark Eakin)
    - Downscaling of basin-wide climate/environmental forcing models to regional and local scale
    - Forecasts
    - Bleaching reports and monitoring
  - [Resilience Efforts](#) (Britt Parker)
    - Case studies of place based activities that inform a larger approach
    - Vulnerability assessments leading to resilience strategies
  - Discussion  
Presenters are joined by users of the information for an interactive discussion lead by the panelists (Jeffrey Maynard)
- 4:00 p.m.**      **Public Comment**
- 4:30 p.m.**      **Wrap up Discussion**
- 5:00 p.m.**      **Panel Writing (Closed Session)**
- 6:00 p.m.**      **Adjourn to Evening Social (no-host, McGinty's Pub, Silver Spring)**



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WEDNESDAY, AUGUST 24, 2016

**8:30 a.m.**            **Welcome and Introductions** (Jeff Payne and Jennifer Koss)

**PRESENTATION AND DISCUSSION OF CRCP GOAL AREAS (PART 2)**

**9:00 a.m.**            **Land-based Sources of Pollution**

*Objective: Panel has an understanding of the LBSP monitoring portfolio supported by the Coral Program to identify and address watershed management issues throughout the Pacific and Caribbean jurisdictions.*

- [LBSP Overview/Internal Assessment Discoveries](#) (Rob Ferguson)
- [Water quality data Presentation](#) (Tony Pait)
- [Performance Assessment case study: American Samoa](#) (Dave Whitall)
- Discussion

Presenters are joined by a user of the information for an interactive discussion lead by the panelists (Alex Messina)

**10:30 a.m.**            **Break and Refreshments**

**10:45 a.m.**            **Organism Responses and Biodiversity Metrics**

*Objective: Panel has an understanding of the data and information CRCP produces to understand key components of coral organism and ecosystem health, response to current stressors, and opportunities for recovery.*

- [Ecological status and recovery](#) (Margaret Miller)
- [Physiological response to stressors](#) (Cheryl Woodley)
- [Coral disease and health capacity building and tool development](#) (Cheryl Woodley)

**12:00 p.m.**            **Lunch**

**1:15 p.m.**            **Organism Responses and Biodiversity Metrics (Continued)**

- [Biodiversity metrics and use of these metrics to understand ecosystem health](#) (Rusty Brainard)
- Discussion

Presenters are joined by users of the information for an interactive discussion lead by the panelists (Billy Causey and Jennifer Moore)

**2:15 p.m.**            **Public Comments**

**2:45 p.m.**            **General Discussion** (If Requested by Panel)

**3:15 p.m.**            **Adjourn. Closed Session for Panel Writing Time**

**6:00 p.m.**            **Drinks/Dinner on Your Own; Social Time**



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**THURSDAY, AUGUST 25, 2016**

**8:00 a.m. Welcome and Introductions** (Jeff Payne and Jennifer Koss)

**PRESENTATION AND DISCUSSION OF CRCP GOAL AREAS (PART 3)**

**8:30 a.m. Fishing**

*Objective: Panel has an understanding of the data and information CRCP produces that can be used to address fishing impacts to coral reef ecosystems, particularly through informing fisheries and MPA management.*

- [Overview / Internal Assessment Discoveries](#) (Tauna Rankin)
- [Fish/fishery species population demographics data \(i.e., NCRMP and MPA effectiveness\)](#) (Ivor Williams)
- [Fishery species life history and ecology data](#) (Ron Hill)
- [Movement, transport and connectivity data and modeling](#) (Trika Gerard)
- [Socioeconomic and/or fisheries dependent information](#) (Arielle Levine)
- Discussion  
Presenters are joined by users of the information for an interactive discussion lead by the panelists (Jorge R. García-Sais and Leah Bunce Karrer).

**10:30 a.m. Break and Refreshments**

**10:45 a.m. Input and Discussion with Partners Who are Recipients of Data & Information**

*Objective: Panel will have an opportunity for discussion with CRCP managers and partners who will provide their perspective on the coral reef ecosystem science products and information that are needed for management decisions.*

- NOS Sanctuaries (Billy Causey)
- Research-to- management perspective (Jeff Maynard)
- Global Environment Facility (Leah Bunce Karrer)
- State/Territory managers (Jean-Pierre Oriol, Joanna Walczak, and Fran Castro)
- The Nature Conservancy (Stephanie Bailenson)
- Group Panel Discussion

**12:00 p.m. Public Comment**

**12:30 p.m. Overall Discussion /Q&A**

**1:00 p.m. Lunch**

**2:15 p.m. Executive Session with CRCP Leadership (Closed Session, NOAA Headquarters, SSMC4 10153)**

Opportunity for Panel members to ask final clarifying questions, identify gaps in information, and determine if more information is needed

**3:15 p.m. Panel Working Session (Closed Session, NOAA Headquarters, SSMC4 10153)**

**5:00 p.m. Adjourn**