

WORKSHOP AGENDA

LAUNCHING AN EXPLORATION OF POLICY & MANAGEMENT OPTIONS IN CALIFORNIA TO ADDRESS CLIMATE CHANGE IMPACTS ON FISHING COMMUNITIES: A LEARNING WORKSHOP

8:30 AM - 4:30 PM

July 16, 2019

Stanley Mosk Library & Courts Building, Room 500
914 Capitol Mall, Sacramento, CA 95814

PARTICIPANTS

D. Aseltine-Neilson (CDFW), S. Ashcraft (FGC), P. Berube (OPC), T. Buck (CDFW), H. Carter (OST), M. Conroy (WCFC), J. Eckerle (OPC), C. English (Packard Foundation), S. Flumerfelt (Monterey Bay Fisheries Trust), K. Frens (NOAA), C. Harvey (NOAA), K. Kauer (TNC), J. Kauzer (OST), A. Kellum (OPC), J. Kimball (OPC), H. Ludemann (Packard Foundation), G. Kirchner (TNC), N. Mantua (NOAA), M. McCann (FGC), H. McGonigal (Fathom Consulting/RLF), M. Miller-Henson (FGC), N. Oppenheim (PCFFA), C. Pomeroy (CA Sea Grant), E. Pope (FGC), B. Power (OST), K. Ramey (CDFW), C. Ridings (Ocean Conservancy), A. Rogers (OST), J. Sanchirico (UC Davis), K. Selkoe (CFSB), C. Shuman (CDFW), V. Termini (CDFW), T. Weseloh (JCFA), L. Whiteman (OST)

WORKSHOP OVERVIEW

Changing ocean conditions as a result of climate change present new and unpredictable challenges that are already resulting in social and economic impacts within California coastal fishing communities. This workshop will focus on how state management tools can potentially help address the impacts that fishing communities, specifically, will face under climate change. To spark conversation, we'll draw from potential case studies or examples of management-oriented solutions, centered on communities, from both within California and elsewhere in the world, and try to understand what they can offer in a California-specific context.

GOALS

- Launch an exploration of how (and to what extent) state management tools can potentially be used to address the impacts that fishing communities will face under climate change
- Use ideas and examples from outside the state to identify potential policy levers, and management processes and tools, with a focus on applicability to the California context
- To identify initial options and management tools that can potentially be discussed and refined with fishing communities along California's coast

AGENDA

8:30 - 9:00 AM

Welcome and Introductions

Purpose: coffee, get settled, (re)introduction, short opening discussion

9:00 - 9:30 AM

Framing this workshop and the challenges in CA

Purpose: Set the scene for this discussion, including workshop need, scope and focus: fishing community-level impacts of climate change, and the management tools and policy levers available to meet such challenges.

Note where possible we will explore the scientific inputs and management tools that other regions/countries are using or exploring to address: 1) community resilience/adaptation, and 2) management responsiveness/adaptation. The expectation is that the conversation will be centered on usefulness and applicability to a California management context. Weave in Q/A and discussion.

9:30 - 11:00 AM

Range shifts & ecosystem variability

9:30 - 9:40 Overview of climate change effects & community-level impacts

9:40 - 9:50 Case study: Australian rock lobster (Noah Oppenheim)

9:50 - 10:00 Case study: Monterey Bay Fisheries Trust (Sherry Flumerfelt)

10:00 - 11:00 Discussion

11:00 - 11:15 AM

BREAK

11:15 - 12:15 PM

Sea level rise & intensifying storms

11:15 - 11:25 Overview of climate change effects & community-level impacts

11:25 - 12:15 Discussion

12:15 - 1:00 PM

LUNCH

1:00 - 2:00 PM

Other environment-driven challenges

What is the community impact of each of these issues? Are solutions already discussed today applicable to these challenges as well, or are there fundamentally different management and policy levers needed to address them? What does (policy/management) uncertainty look like for each of these challenges, and how does that affect potential decisions?

1. Changing ocean chemistry (OA, O₂, etc.)

2. HABs

3. Non-marine/coastal climate impacts/changes (e.g., drought, wildfire)

2:00 - 3:20 PM

Discussion: Cross-cutting themes

2:00 - 2:10 Case study: Rhode Island fishing communities (Kathryn Frens)

2:10 - 3:20 Discussion

Purpose: While some of these challenges may come up at several points throughout the day, this dedicated agenda space will ensure that we discuss a) overarching issues that present themselves across the discussed challenges so far, and b) critical cross-cutting challenges that haven't yet been touched on at this point.

1. Social challenges (2:10 - 2:45)

e.g. Lack of adequate insurance/loan availability; supply chain vulnerability under climate change; "graying of the fleet" and sense of community under climate change.

- a. cultural
- b. economic

2. Uncertainty and risk management (2:45 - 3:20)

3:20 - 3:30 PM

Break

3:30 - 4:00 PM

Discussion (continued): Cross-cutting themes

4:00 - 4:30 PM

Discussion: Moving forward

Purpose: Step back, take stock and think about opportunities to advance our thinking. Digest everything learned about the existing tools available to address the challenges communities will face. Attempt to highlight where management tools can play a role in adaptation, and where new tools and initiatives will be needed.

Potential discussion questions:

- *For each of the climate change-driven impacts that fishing communities will face, what tools are available now to help address them?*
- *Are there impacts that other public or private entities may be better equipped to handle?*
- *What information do we have - or not have - that could help us think this through more?*
- *What are the roadblocks holding back some of these proposed solutions?*
- *Is there something you've heard today that seems to be a re-occurring theme, idea, or need?*

4:30 - 5:30 PM

Drinks

NOTES

