

# Integrated Modeling of Ocean Acidification and Hypoxia:

*Supporting Ecosystem Prediction and  
Environmental Management in the California Current*

**CALIFORNIA OAH SCIENCE TASK FORCE WEBINAR SERIES**

**Tuesday, September 3  
10:00 AM – 12:00 PM (PST)**



**OCEAN  
PROTECTION  
COUNCIL**



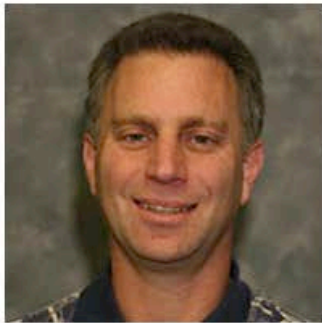
**CALIFORNIA  
OCEAN SCIENCE TRUST**

[www.westcoastOAH.org](http://www.westcoastOAH.org)

# INFO FOR ATTENDEES

- **Webinar is being recorded** and will be archived, along with all presentations, at [www.westcoastoah.org/webinars](http://www.westcoastoah.org/webinars)
- **Panelists please mute yourselves when not speaking**
- **To ask a question or provide comment:**
  - Chat in your questions to panelists in the chat box
  - Use the “Raise Your Hand” function to speak (you must have audio connected) and we will call on you
    - to unmute a phone line, press \*6

# CALIFORNIA OAH SCIENCE TASK FORCE



**Steve Weisberg**

Co-chair

*Southern California Coastal Water  
Research Project*



**Francis Chan**

Co-chair

*Oregon State University*



**Jim Barry**

*Monterey Bay Aquarium Research  
Institute*



**Alexandria Boehm**

*Stanford University*



**Shallin Busch**

*NOAA Northwest Fisheries Science Center*



**Sarah Cooley**

*Ocean Conservancy*



**Richard Feely**

*NOAA Pacific Marine Environmental  
Laboratory*



**Lisa Levin**

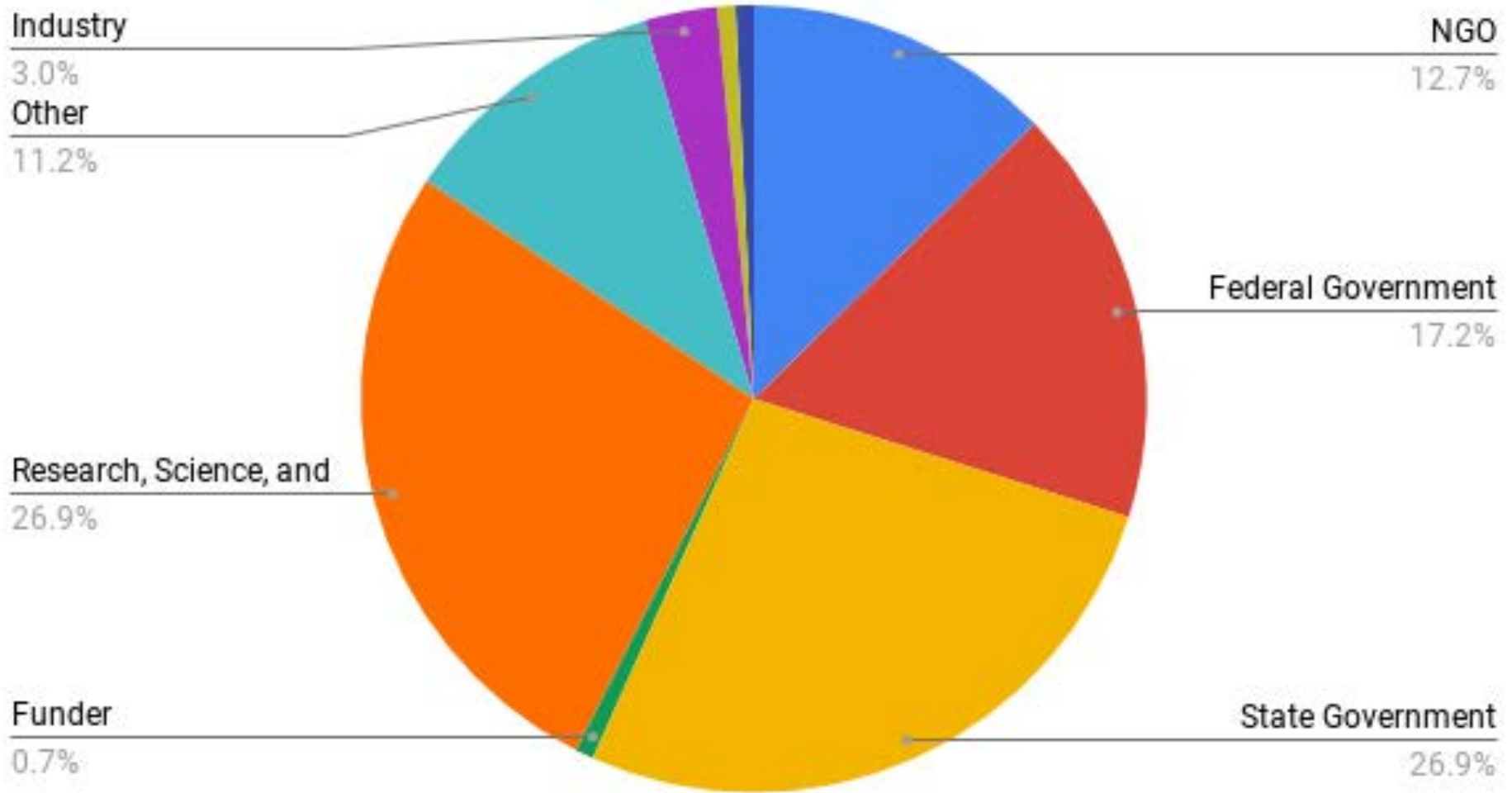
*University of California, San Diego*

# ABOUT THE TASK FORCE WEBINAR SERIES

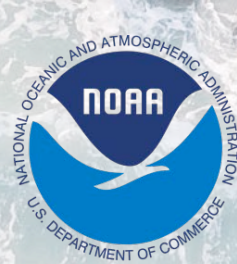
- **Track scientific efforts** related to OAH and coordinate across the West Coast region and beyond
- **Forum for engagement** between scientists and decision-makers
- **Opportunity for technical discussion** and information sharing about ongoing OAH science

*More info at [westcoastOAH.org/webinars](http://westcoastOAH.org/webinars)*

# TODAY'S AUDIENCE



# ABOUT THE MODELING EFFORT



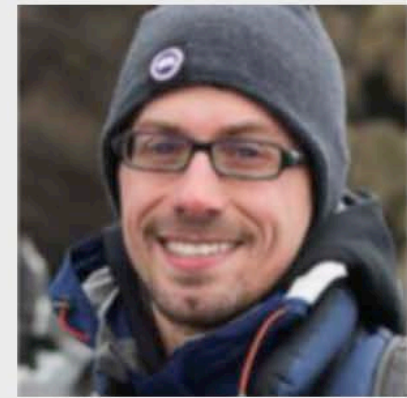
**THE NEED.** Define the nature and extent of OA, hypoxia, and temperature stress along our coast, and start to tease apart drivers

**APPLICATIONS.** Help inform marine resource management and water quality regulation in California, among other applications

**FUNDING.** 6 year effort funded by the Ocean Protection Council, NOAA



# TODAY'S SPEAKERS ARE PART OF A MULTI-INSTITUTIONAL TEAM



**James McWilliams**

*UCLA Department of  
Earth and Atmospheric  
Sciences*

**Curtis Deutsch**

*University of Washington  
School of Oceanography*

**Fayçal Kessouri**

*Biogeochemistry  
Department, Southern  
California Coastal Water  
Research Project*

**Daniele Bianchi**

*UCLA Department of  
Earth and Atmospheric  
Sciences*

# TODAY'S SPEAKERS



***An Overview of the Modeling Program for  
Reanalysis Simulations and Validation,  
Climate Change, Eutrophication, Hypoxia,  
Acidification, and Habitat Constraints along  
the U.S. West Coast***

**James McWilliams**

*UCLA Department of  
Earth and Atmospheric  
Sciences*

**10:05 – 10:30 AM**



# TODAY'S SPEAKERS



**Curtis Deutsch**

*University of Washington  
School of Oceanography*

## ***Implications of Climate Change on Aerobic Fish Habitat in the California Current System***

**10:30 – 10:45 AM**

# TODAY'S SPEAKERS



**Fayçal Kessouri**

*Biogeochemistry*

*Department, Southern  
California Coastal Water  
Research Project*

***Investigations of Effects of Local  
Anthropogenic Nutrient Inputs  
on Acidification and Hypoxia in  
the Southern California Bight***

**10:45 – 11:00 AM**

# TODAY'S SPEAKERS



**Daniele Bianchi**

*UCLA Department of  
Earth and Atmospheric  
Sciences*

***Leveraging a California Current  
System OAH Modeling for Future  
Applications: Nitrogen Cycle,  
Fisheries Productivity and Harmful  
Algal Bloom Modeling***

**11:00 – 11:15 AM**

# HOW TO ASK A QUESTION

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