

# 2014 CDFW Climate College Lecture #3

**Title:** Climate impacts on California's marine waters  
**Speakers:** Arthur Miller, Scripps Institute of Oceanography  
Francisco Chavez, Monterey Bay Aquarium Research Institute  
**Date:** April 3, 2014 (Thursday)  
**Time:** 2:00PM – 4:00PM  
**Location:** Monterey Bay Aquarium Research Institute, Pacific Forum, 7700 Sandholdt Road, Moss Landing, CA  
**WebEx:** Lecture also available via WebEx. We encourage CDFW staff participating remotely to watch the lectures together by reserving a conference room with DSL. The powerpoint presentation will be posted in advance to minimize interruption for remote users due to WebEx or bandwidth complications.

## Registration for Lecture #2

[CDFW STAFF CLICK HERE TO REGISTER](#) - Please register at least two days prior to the lecture.

[ALL OTHER PARTICIPANTS](#): If you are not a CDFW staff member please provide your name, email address, organization, and if you intend to participate in-person or via WebEx.

## Speaker Biography:

Dr. Art Miller is currently a Research Oceanographer and a Senior Lecturer in Climate Sciences at Scripps Institution of Oceanography (UCSD). He is also Director of the Climate, Atmospheric Science, and Physical Oceanography (CASPO) Division. He is a physical oceanographer who studies oceanic influences on climate variability using a combination of computer simulation models and observational analysis. His research extends from basic issues in physical oceanography to a variety of topics in climate dynamics, atmospheric dynamics, data assimilation, regional impacts of global climate change, and oceanic ecosystem response to physical forcing. He also serves on the U.S. CLIVAR Phenomena Observations and Synthesis (POS) Panel, and has served on the U.S. GLOBEC Scientific Steering Committee, the PICES Evaluations of Climate Change Working Group, the Bering Ecosystem Study (BEST) Scientific Steering Committee, and the U.S. CLIVAR Pacific Sector Implementation Panel.

Francisco Chavez is a biological oceanographer with interests in how climate variability and change regulate ocean ecosystems on local and basin scales. He was born and raised in Peru, has a BS from Humboldt State and a PhD from Duke University. He was one of the founding members of the Monterey Bay Aquarium Research Institute (MBARI) where he has pioneered time series research and the development of new instruments and systems to make this type of research sustainable. Chavez has authored or co-authored over 150 peer-reviewed papers with 10 in Nature and Science. He is past member of the National Science Foundation Geosciences Advisory Committee, has been heavily involved in the development of the US Integrated Ocean Observing System (IOOS), is a member of the Governing Board of the Central and Northern California Coastal Ocean Observing System (CeNCOOS) and the Science Advisory Team for

the California Ocean Protection Council. Chavez is a Fellow of the American Association for the Advancement of the Sciences; honored for distinguished research on the impact of climate variability on oceanic ecosystems and global carbon cycling. He was awarded a Doctor Honoris Causa by the Universidad Pedro Ruiz Gallo in Peru in recognition of his distinguished scientific career and for contributing to elevate academic and cultural levels of university communities in particular and society in general. Chavez is the 2014 recipient of the Ed Ricketts Memorial award.

**Recommended reading:**

Marine Primary Production in Relation to Climate Variability and Change

<http://www.annualreviews.org/eprint/YhgtEzVAW5b7dcYdXXyd/full/10.1146/annurev.marine.010908.163917>

**Optional additional webinars:**

- U.S. Fish and Wildlife Service [Climate Academy](#) – archived webinars



ITEP is planning 2 **Tribal Climate Change Webinar Series** for this spring: 1) a 4-part webinar series, tentatively in March and April, will focus on impacts of climate change in the Pacific Northwest. We are collaborating with Kathy Lynn at the University of Oregon and the USDA Forest Service Pacific Northwest Research Station and have received input from the Pacific Northwest Tribal Climate Change Network; and 2) a 4-part webinar series in May and June, intended for a national tribal audience, will focus on climate change impacts, traditional knowledge and climate change, and communicating about climate change. More information about the two webinar series will be available in the coming months.

The **Events page on the Tribes & Climate Change website** is in calendar format:

[www4.nau.edu/tribalclimatechange/events.asp](http://www4.nau.edu/tribalclimatechange/events.asp).