

DFG Climate College

Lecture #3



- Title:** What's happening? Projected climate change impacts to California and the San Francisco Bay region: 2C or not 2C, that is the Challenge
- Speaker:** Tom Suchanek, Research Manager, Lead Scientist and Climate Change Coordinator, USGS Western Ecological Research Center
- Date:** November 5, 2012 (Monday)
- Time:** 1:00 – 2:00PM
- Location:** Sacramento State University, Modoc Hall, Willow Room
- WebEx:** Lecture also available to view via WebEx. We encourage DFG 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. Because of a limit to the number of WebEx participants, we encourage those in the Sacramento area to attend in person.



This lecture is a collaborative effort between DFG and the California LCC and will feature additional optional presentations on climate change projects taking place throughout California that are supported by the CA LCC.

Registration for Lecture #3

[DFG STAFF CLICK HERE TO REGISTER](#)

ALL OTHER PARTICIPANTS: If you are not a DFG staff member please email Registrar@DFG.ca.gov with your name, email address, organization, and whether or not you intend to participate in-person or via WebEx.

*Note: Please register at least two days prior to the lecture. If you would like to be registered for ALL classes at once, please submit a request to Registrar@DFG.ca.gov.

Suggested reading materials recommended by the speaker

- Research by John Takekawa (WERC scientist) on sea level rise impacts on estuarine communities: <http://www.werc.usgs.gov/Project.aspx?ProjectID=222>
- Research by Mike Casazza (WERC scientist) on sea level rise impacts on San Francisco Bay California Clapper Rail populations: http://www.werc.usgs.gov/ProjectSubWebPage.aspx?SubWebPageID=9&ProjectID=152&List=SubWebPages&Web=Project_152&Title=Ecology of California Clapper Rails in the San Francisco Bay/Delta Region
- Recent editorial by James Hansen (Director of the NASA Goddard Institute for Space Studies), on the most recent data on the frequency of extreme heat events. http://www.washingtonpost.com/opinions/climate-change-is-here--and-worse-than-we-thought/2012/08/03/6ae604c2-dd90-11e1-8e43-4a3c4375504a_story.html

- The Climate.gov website hosted by NOAA providing lots of useful timely data on all aspects of climate change: <http://www.climate.gov/#climateWatch>

Speaker Biography

Dr. Tom Suchanek

Personal Profile: <https://profile.usgs.gov/tsuchanek>

Ph.D. (Marine Ecology): University of Washington, Seattle

M.S. (Ecology & Evolution): Stony Brook University, New York

B.S. (Biology): University of Connecticut

2004-present: U.S. Geological Survey, Sacramento – Western Ecological Research Center
Lead Scientist, Research Manager and Climate Change Coordinator

2001-2004: USFWS

Chief: Natural Resources Damage Assessment Branch

Director: Environmental Contaminants Division

1982-2001: Research Ecologist at U.C. Davis for 20 yrs, including work on:

- Oil impacts from the Exxon Valdez on marine communities
- Radionuclides in commercial fishes from the Farallon Islands Nuclear Waste Dump Site off San Francisco
- Radionuclide studies at Enewetak Atoll, tropical Pacific
- 7-yrs as Western Regional Director: National Institute for Global Environmental Change (a DOE program)
- 15-yr study of mercury cycling and bioaccumulation in the San Francisco Bay-Delta Estuary, its watershed, and especially at Clear Lake

1979-1981: Researcher/Lecturer: West Indies Marine Lab, St. Croix, U.S. Virgin Islands

- Coral reef ecology
- Bioturbation in shallow reef lagoons
- Deep-sea food webs

Optional additional companion webinars from the National Climate Academy



- [Understanding the Effects of Climate Change](#), Terry Root, Stanford University
- [Observed Effects of Climate Change in Wildlife](#), Camille Parmesan, University of Texas