

- **Principal Investigator:** Linda Duguay, University of Southern California
- **Location:** COSEE West is physically based at the University of Southern California in Los Angeles and the University of California, Los Angeles, and virtually at the College of Exploration.
- **Website:** <http://www.usc.edu/org/cosee-west/>
- **Collaborators/Partners:** Los Angeles Unified School District; Cabrillo Marine Aquarium; Aquarium of the Pacific; Santa Monica Pier Aquarium; Redondo SEA Lab; Ocean Institute; Natural History Museum of Los Angeles County; NASA Jet Propulsion Laboratory; California Science Center; Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado; and Los Angeles Charter School Science Partnership, an initiative of the California Math and Science Partnership.
- **Co-Principal Investigators and Key Project Partners:** Peggy Fong, University of California, Los Angeles; Peter Tuddenham, College of Exploration; Lesley Smith, CIRES, University of Colorado, Boulder
- **Contact:** Lynn Whitley, lwhitley@usc.edu; Gwen Noda, gwnoda@ucla.edu



What We Offer...

COSEE West engages teachers, ocean scientists, and informal educators in a broad range of programs, including:

- Lectures, professional development workshops, online workshops, and regional collaborations to enhance ocean science education and increase ocean literacy
- Professional development for educators that draws on scientists' expertise

COSEE WEST

Mission: To integrate ongoing research in the ocean sciences with K-12 and informal education and outreach.

What We Do: By capitalizing on COSEE West's established network of ocean researchers and educators, we work to engage scientists and educate the broadest possible audience by:

- Using online services and platforms to expand innovative distance learning models in order to reach a national and global audience;
- Continuing to provide societally relevant, scientifically important research via our public ocean science lecture series;
- Continuing our in-depth teacher workshops such as our week-long Ocean Observing Systems workshop;
- Partnering with institutions such as the NASA Jet Propulsion Laboratory on events like Climate Day that target inland, urban school populations;
- Providing opportunities for informal science education center staff and volunteers to network and learn from each other and ocean researchers

Who We Are: COSEE West consists of a partnership between faculty, researchers, and K-12 and informal educators at the University of Southern California, the University of California at Los Angeles, and the College of Exploration.

Audience: K-12 educators, informal educators, scientists, undergraduate and graduate students, and the general public.



- Guidance for scientists on effective ways to work with teachers, students, and informal education audiences, as well as opportunities for scientists to fulfill the broader impacts criteria of their research grants



Map of participant locations for the COSEE West online workshop on Sea Level Rise, Weather and Climate Change

Date Established: Fall 2002

Why We Were Established: COSEE West was established in order to build and strengthen connections between scientists/researchers and the education community, as well as to catalyze community based ocean sciences education in the greater Los Angeles area.

History: COSEE West has always emphasized the role of research scientists in education, combining their expertise in marine science with the teaching skills of K-12 teachers and informal science educators to create scientifically current, practical lessons and methods for educating wide ranging and diverse audiences.



Example Offerings...

- Workshops: Ocean Observing Systems; Oceans and Climate; Harmful Algal Blooms and Biogeochemical Factors; Evolution in the Marine Environment
- Public Lecture Series: Cloud Structure and Climate; Tagging of Pacific Predators; Southern California Watersheds and Water Quality
- Resources: Videos, slide shows, and background information for our public lectures; field trip guides; lesson plans for formal and informal educators; an ocean bibliography