

## February 2013 Newsletter



# *Southern California Coastal Ocean Observing System* *Ocean Observing System*

### Topic Summary:

1. January 2013 activities
2. New U.S. IOOS Quality Control Procedures released
3. NOAA West Regional Collaboration Team Annual Meeting
4. Program Profile—Chlorophyll and Harmful Algal Blooms
5. CalCOFI/CCE-LTER Seabirds 2012 Annual Report
6. SCCOOS Executive Steering Committee Meeting
7. Announcements

## SCCOOS January 2013 Activities

Date	Meeting	Sponsor
January 10		
January 16 & 17	NOAA West Regional Collaboration Team Annual Meeting	NOAA West Regional Collaboration Team
January 25	SCCOOS participates in the Tijuana River Valley Recovery Team	State Water Resource

## U.S. IOOS Dissolved Oxygen Quality Control/Quality Assurance Manual Released

As part of the U.S. IOOS Data Management and Communication (DMAC) core services, the U.S. IOOS Program Office completed a quality assurance (QA) and quality control (QC) of real-time ocean sensor data collected for U.S. IOOS. This represents the first time that U.S. IOOS has funded a much needed QC effort that will become the standard for all the regional associations. Known as QUARTOD (Quality Assurance/Quality Control of Real Time Ocean Data), its purpose is to consolidate QA/QC efforts into a set of standards. The [dissolved oxygen manual](#) is the first of 26 U.S. IOOS core variable manuals meant to improve effective ecosystem management.



## SCCOOS Participates NOAA West Regional Collaboration Team Annual Meeting

On January 16 & 17, 2013, SCCOOS participated in the NOAA West Regional Collaboration Team Annual Meeting at the NOAA Southwest Fisheries Science Center (SWFSC) in La Jolla, California. On the first day, a panel was represented by Julie Thomas and Chris Cohen (SCCOOS), Kathleen Ritzman (Scripps Institution of Oceanography), Steve Brandt (Oregon Sea Grant), Linda Dugay (USC Sea Grant), and Jim Eckman (California Sea Grant). Each panel member provided perspectives on what it takes to effectively engage and sustain agency/program partnerships. A tour to the Tijuana River National Estuarine Research Reserve (TRNERR) occurred on the second day. Lisa Hazard from SCCOOS talked about the technology and applications of surface current mapping when the group visited the SCCOOS High Frequency Radar station located at Boarder Field State Park.

We would like to thank John Stein, Michelle Stokes, Timi Vann and the [NOAA West](#) team for including SCCOOS in this meeting. SCCOOS participants gained valuable insight into the depth and breadth of NOAA West activities.



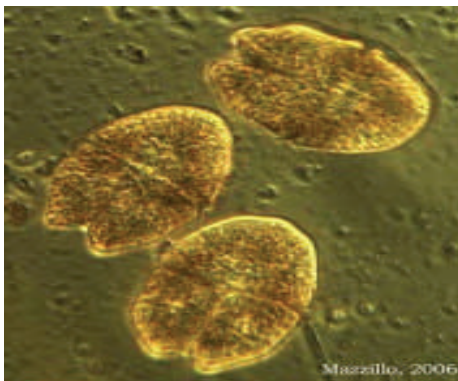
**Top:** Jeff Crooks explains TRNERR to group

**Middle:** Chris Peregrin briefs the group about the days activities

**Bottom:** Lisa Hazard speaks about high frequency radar



## Program Profile - Chlorophyll and Harmful Algal Blooms (HABs)



*Akashiwo sanguinea*

No toxin reported; fish kills possibly due to O<sub>2</sub> depletion and bird kills due to production of surfactants. Photo courtesy of Fernando Mazzillo

Monitoring for [HABs](#) occur at 8 piers along the California coastline:

*Santa Cruz Wharf* ✦ *Monterey Wharf* ✦ *Cal Poly Pier*  
*Goleta Pier* ✦ *Stearns Wharf* ✦ *Santa Monica Pier*  
*Newport Pier* ✦ *Scripps Pier*

Water Samples and net tows are collected at each location twice a week in the morning using a bucket to capture the surface water in order to determine chlorophyll concentration, water temperature, salinity, and nutrient concentrations. Water samples are collected with a bucket just below the water surface. Net tows are vertical tows with a 20 µm meshed net between 3 m and the surface.

# CalCOFI/CCE-LTER Seabirds 2012 Annual Report

## Sydeman/Goericke

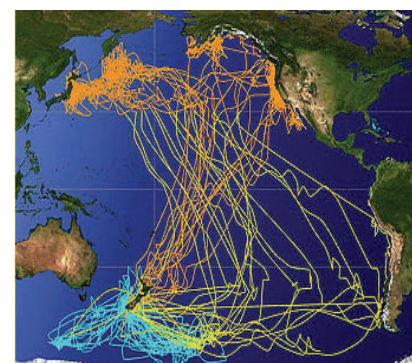
Seabird studies are a part of the California Cooperative Oceanic Fisheries Investigation ([CalCOFI](#)), California Current Ecosystem - Long-term Ecological Research ([CCE-LTER](#)), and Southern California Coastal Ocean Observing System ([SCCOOS](#)) programs.

The Seabird data are valuable because:

1. Information on seabird distribution and abundance provides an upper trophic level perspective which complements the lower trophic level plankton and hydrographic data collected by others
2. Estimates of seabird abundance, diversity and distribution contribute to understanding the spatial ecology of the Southern California Bight, a region characterized by substantial habitat heterogeneity and major oceanographic and biogeographic boundaries associated with Point Conception
3. By extending our existing records (now 26 years and building; 1987-present) and coupling this information with long-term hydrographic and plankton data, seabird data contributes to understanding the effects of natural climate variability and anthropogenic effects on the southern sector of the California Current ecosystem.



### Sooty Shearwater Migration



### Appendix 1. Overall seabird distribution maps by season for 2012 and 2011.

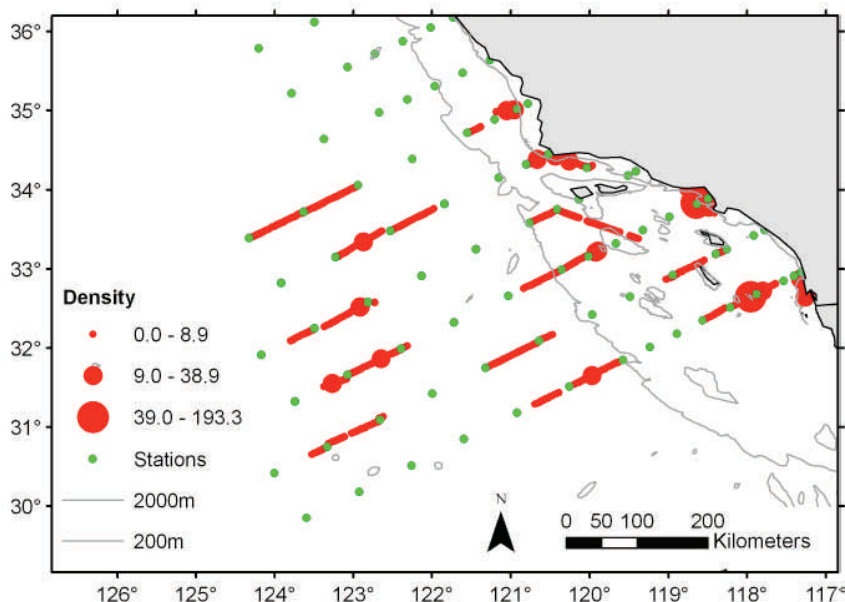
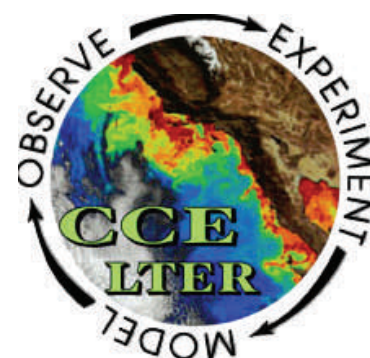


Figure 5. Spatial distribution of all seabird species, winter 2012.

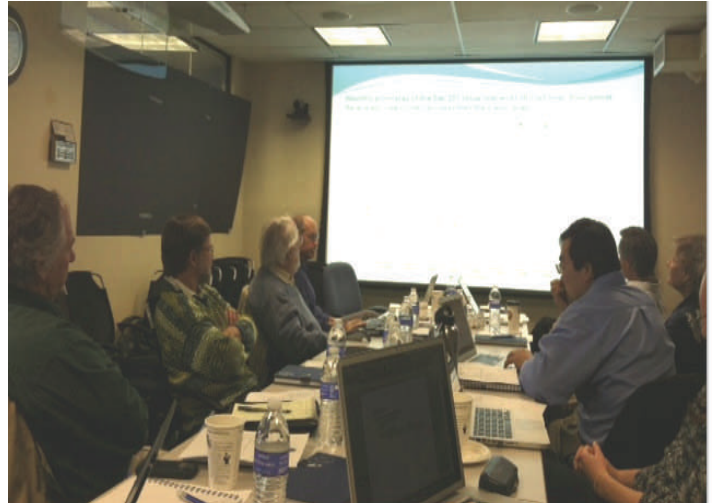


[Seabirds on the CalCOFI/CCE-LTER Surveys, 2012](#)



## SCCOOS holds their Executive Steering Committee meeting at the University of Southern California

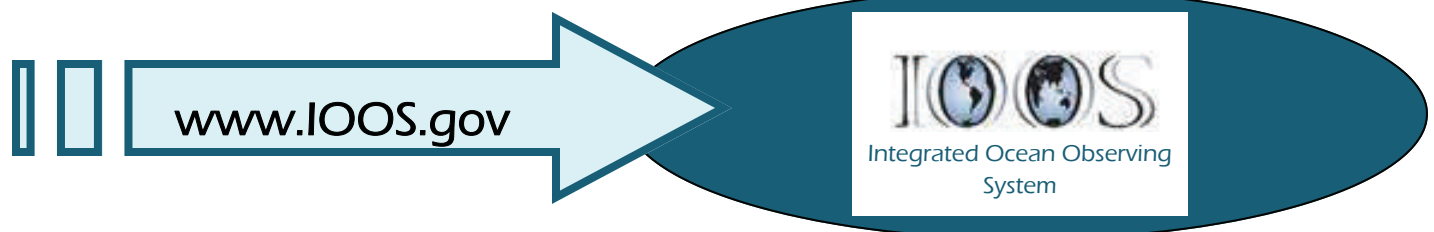
On January 10, 2013 SCCOOS had their Executive Steering Committee (ESC) meeting at the Allan Hancock Foundation Building on the University of Southern California campus. Special thanks to Roberta Marinelli, (Director of USC Wrigley Institute of Environmental Studies), and Dave Caron (SCCOOS Harmful Algal Bloom monitoring program principle investigator) for helping coordinate the location. The ESC was lead by Dan Rudnick (Executive Steering Committee Chair). The meeting was comprised of the SCCOOS principle investigators.



Key issues were addressed regarding observation objectives, goals, and challenges.

- ✦ Dave Caron (USC) and John McGowan (UCSD) spoke about [harmful algal blooms](#).
- ✦ Bill Sydeman (Farallon Institute) presented his work on [marine bird](#) surveys during his CalCOFI cruise in 2012.
- ✦ Ralf Goericke (UCSD) reported on the importance of SCCOOS [nearshore CalCOFI stations](#).
- ✦ Yi Chao (UCLA) explained in detail his [ROMS \(regional ocean modeling system\) forecast model](#).
- ✦ Dan Rudnick (UCSD) spoke about [glider](#) operations in Southern California as well as the progression of a [national glider network](#).
- ✦ Eric Terrill (UCSD) and Libe Washburn (UCSB) updated all about [high frequency radar](#) and [shore stations](#).
- ✦ Julie Thomas (SCCOOS) spoke about regional association organization and outreach

There were discussion at length about determining key users/stakeholders, future endeavors, collaboration, and the role of SCCOOS both regionally and nationally.



# Announcements

## CeNCOOS Program Manager Job Opportunity

### *Main responsibilities:*

- ✦ Provide project coordination and programmatic support
- ✦ Assist the Program Director with management and administration, including preparation of progress reports and organization of documents.
- ✦ Help project scientists by coordinating meetings, tracking purchase orders and maintaining equipment inventories.
- ✦ Support governance by organizing and preparing minutes for Governing Council meetings, and running elections.
- ✦ Act as point person for one or more of the marine issues that CeNCOOS are involved in, such as ocean acidification, harmful algal blooms, or marine protected areas.
- ✦ Prepare outreach and publicity materials and interface with the public and users.

*Address your cover letter, email, or fax your cover letter and resume to:*

MBARI, Human Resources  
Job code: CeNCOOS-PM  
7700 Sandholdt Road,  
Moss Landing, CA 95039-9644  
[jobs@mbari.org](mailto:jobs@mbari.org)  
F. (831) 775-1620

CeNCOOS will be holding its annual election for its Governing Council (GC) in February 2013.

They're actively soliciting nominations for 4 vacant seats and encourage you to consider nominating yourself or a colleague for a position on the Council.

Please refer to Article III of the CeNCOOS Memorandum of Agreement ([MOA](#)) for more information on the GC and its responsibilities.

Please **submit nominations**, including a photo and brief biography to no later than 9 a.m. February 11, 2013.

Contact [Janine Scianna](#) with any questions or concerns about the process.



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