



SCCOOS News

The IOOS Regional Association Serving Southern California

www.sccoos.org • (858)534-3034 • info@sccoos.org

March 2016 Issue

In this issue

1. SCCOOS February Activities
2. IOOS Releases, “The Ocean Enterprise: A Study of US Business Activity in Ocean Measurement, Observation & Forecasting.”
3. State Seeks Federal Disaster Declarations for Commercial Crab Fishing
4. Program Profile: High Frequency Radar Quality Control Project
5. Recent Bluff Collapses Due to Storm Erosion
6. Announcements



Julie Thomas, SCCOOS Executive Director, joined Dr. Chris Sabine (Director of PMEL), Dr. John Stein (Science and Research Director at NOAA NW Fisheries Science Center), Timi Vann (NOAA Western Regional Collaboration Coordinator), Norm Dicks (D-WA-6), Mary Glackin (Senior VP at The Weather Company), Conrad Lautenbacher (Senior Advisor, Center for Strategic & International Studies), Ru Morrison (NERACOOS Executive Director), Jan Newton (NANOOS Executive Director), and Molly McCammon (AOOS Executive Director) at a tour of NOAA’s Pacific Marine Environmental Laboratory.

February 2016 Activities



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| February 2 and 3 | Protide (Under Keel Clearance) Meeting - Long Beach, CA |
| February 11 and 12 | CeNCOOS Governing Board Meeting - Tiburon, CA |
| February 16 | Bight’13 Marine Protected Area Meeting - Costa Mesa, CA |
| February 16-18 | IOOS Planning Meeting - Washington D.C. |
| February 19 | Meeting with Randall Lee—Australia Integrated Marine Observing System |
| February 23 | San Diego Marine Protected Area Collaborative Meeting |
| Feb 28 - Mar 3 | IOOS Spring Meeting - Washington D.C. |

IOOS Releases, “The Ocean Enterprise: A Study of US Business Activity in Ocean Measurement, Observation & Forecasting.”

Why this study?

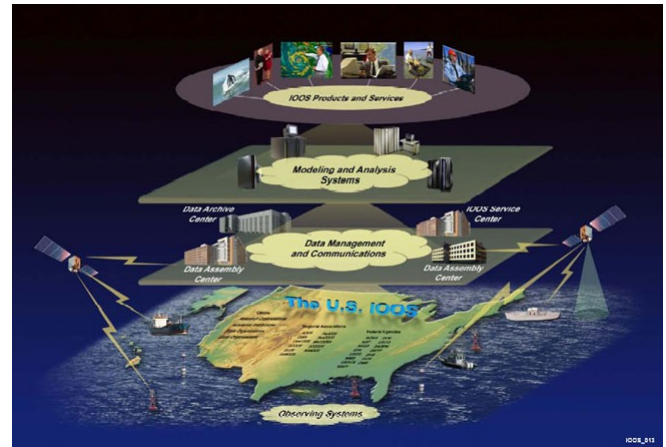
The objective of its publication is to raise visibility and awareness of this important industry cluster, and to better understand of its linkages with the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Integrated Ocean Observing System (IOOS®) program.

What are the major findings of this study?

- Identifying more than 400 firms in the US as operating in the sphere of Ocean Enterprise. This includes businesses inland, but not previously captured by regional studies.
- The Ocean Enterprise generated \$7 billion (USD) in revenue annually.
- 86% of businesses have been operating 5 or more years in the Ocean Enterprise. More the 54% of them expect growth in their Ocean Enterprise business in the next year.

Where can you find it?

http://www.ioos.noaa.gov/ioos_in_action/ocean_enterprise_study.html



State Seeks Federal Disaster Declarations for Commercial Crab Fishing



On February 9th California Governor Jerry Brown wrote a [letter](#) to US Secretary of Commerce Penny Pritzker, requesting federal declarations of a fishery disaster and commercial fishery failure in response to the continued presence of unsafe levels of Domoic Acid and the corresponding closures of those fisheries.

The Dungeness crab industry alone is one of the highest valued California commercial fisheries in California with a value of up to \$90 million a year.

SCCOOS and CeNCOOS both support a [Harmful Algal Blooms \(HABs\) monitoring program](#) that’s aligned with the State’s phytoplankton and shellfish monitoring program for the California Dept. of Public Health. In addition, CeNCOOS hosts [pre-operational HAB forecast models](#) that provides the probability of finding high numbers of HABs in the water.

Check out [more information](#) on the State’s ongoing responsibilities to the health and safety issue in California crab fisheries.

Program Profile: High Frequency Radar Quality Control Project

In FY 15/16, IOOS directed SCCOOS funding for a High Frequency (HF) radar quality control (QC) development project. The main goal of this project is to develop scientifically rigorous and automated methods for monitoring the quality of IOOS HF radar data.

Recently, project leads—Libe Washburn and Brian Emery with UC Santa Barbara, released a status update and their preliminary results. A summary of those are;

- 1) Development of “synthetic” radial comparison toolbox (previously referred to as pseudo-radial comparisons).
- 2) Access to all IOOS radials via the SCCOOS radial data storage server. Data syncs are running regularly to bring the data to a UCSB server for processing.
- 3) Comparisons for most SCCOOS and some CENCOOS HF sites.
- 4) Calculations for both measured pattern and ideal pattern radial data, when both are available. These comparisons could be very instructive for operators.



A temporary HF Radar site was quickly installed by UC Santa Barbara to fill in coverage of surface currents during the Refugio Oil Spill.

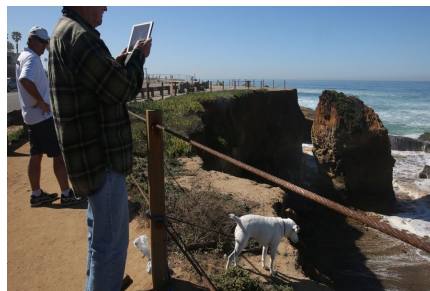
Operational web sites showing interim results are available for baseline comparisons for UCSB and USC sites:

- 1) <http://euler.msi.ucsb.edu/realtime/comparisons/>
- 2) <http://euler.msi.ucsb.edu/realtime/comparisons/usc.html>

Recent Bluff Collapses Due to Storm Erosion

Due to recent rain and high swell events, Southern California has seen an increase in bluff collapses. This has lifeguards on the lookout and warning beachgoers of the increased danger to their public safety. Lifeguard Captain Larry Giles told the San Diego Union-Tribune that last year lifeguards told 4,000 people sitting near or on the unstable cliffs to move away.

The city of Encinitas is experiencing bluff collapses in a couple of locations (pictured right). Photo Credit: San Diego Union-Tribune.



Sunset Cliffs collapse before and after photos. This occurred early Thursday morning on Feb. 25. What used to be an arch is now gone and a large gap separates the two remaining pieces. Photo credit: Peggy Peattie/San Diego Union-Tribune.

Announcements



[Dr. Russell Callendar](#) recently was appointed as the Assistant Administrator for NOAA's National Ocean Service (NOS), advancing NOS's priorities of Coastal Resilience, coastal intelligence and place-based conservation.



Agua Hedionda Lagoon Foundation is hosting a [Tip Top Run featuring their World Water Day Festival](#) on Saturday, March 12, 2016. This event helps raise funds for the foundation and culminates with a finish line celebration which includes live music, education and lunch.



In collaboration with the Central and Northern Coastal Ocean Observing System (CeNCOOS), UC Davis invites applicants for a postdoctoral researcher to work on surface current mapping with HF radar. Funding is available for 1.5 years with the potential for ongoing funding. The position is based at the Bodega Marine Laboratory (UC Davis) and will be filled as soon as possible, but it will remain open until filled. Applicants should send a letter outlining why this job would be a good fit along with

a CV and the names of 3 references by email to Prof. John Largier, Bodega Marine Laboratory, UC Davis at jlargier@ucdavis.edu

- ⇒ This research includes data analysis, field/data operations, and report/proposal writing.
- ⇒ The ideal candidate would possess competencies including knowledge of coastal oceanography, data analysis skills, familiarity with HF radar, operational skills in field/computer work, organizational skills, team leadership skills, grant writing experience, and evidence of prior accomplishments.
- ⇒ There is flexibility in the focus of analysis and research priorities, depending on interest.
- ⇒ The successful candidate will act as coordinator of the 27-site CeNCOOS HF-radar network extending from Oregon to Point Conception, working under supervision of UC Davis Professor John Largier and working closely with other CeNCOOS teams (as well as networking with additional HF-radar teams along the west coast and across the nation). Developing new products from HF-radar data, working with modelers to assimilate HF-radar data, and working with the ten-year legacy California HF-radar data set are additional opportunities.