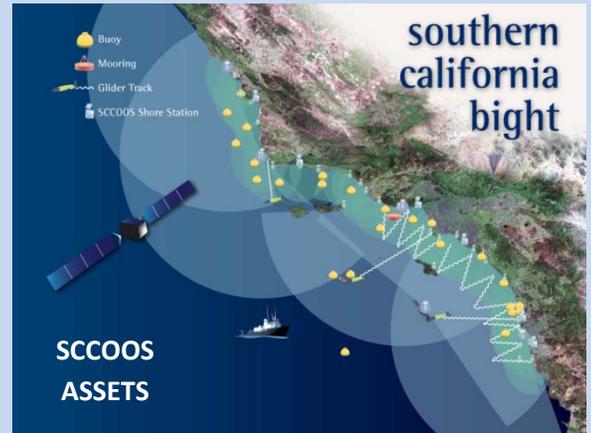




December 2012

SCCOOS NEWS

Southern California Coastal Ocean Observing System



1. Zdenka Willis, Director of the U.S. IOOS Program Office, visits with SCCOOS on November 6, 2012
2. Julie Thomas and Zdenka Willis participate on a coastal zone management and ocean observing panel at the Maritime Alliance summit in Downtown San Diego on November 7, 2012.
3. SCCOOS Board of Governors meeting takes place on November 8, 2012 at Scripps Institution of Oceanography.
4. The National Federation of Regional Associations (NFRA) changes its name to IOOS Association at its annual meeting in Herndon, Virginia on November 11, 2012.
5. SCCOOS has great representation at the IOOS Summit in Herndon, Virginia November 12-16, 2012.
6. The West Coast Governors Alliance (WCGA) signed a Memorandum of Understanding with the Northwest Association of Networked Ocean Observing Systems (NANOOS), Central and Northern California Coastal Ocean Observing System (CeNCOOS), and the Southern California Coastal Ocean Observing System.
7. Program Profile – Automated and Manual Shore Stations.
8. SCCOOS November activities
9. Announcements

1. SCCOOS was lucky to have Zdenka Willis, Director of the U.S. Integrated Ocean Observing System (IOOS) Program Office, for a visit on November 6, 2012 at Scripps Institution of Oceanography. Active discussions took place about data portals, DMAC goals and milestones, social media prospects, and HF radar in order to ensure that SCCOOS is aligned with IOOS priorities. Eric Terrill and Lisa Hazard gave Zdenka a tour of the Coastal Observing Research and Design Center (CORDC) to familiarize her with current sensors and technologies. Her expertise and in-depth knowledge of public and private sector projects are always invaluable.



2. The 4th annual Maritime Alliance Summit took place in San Diego, California on November 7, 2012 with a focus on growing and branding San Diego Bay as an important piece to the maritime industry puzzle. Jerry Scheubel, Director of the Aquarium of the Pacific in Long Beach CA, delivered a poignant speech about the importance of a more evolved maritime industry in the Southern California Bight that doesn't compromise using and protecting our natural resources. Julie Thomas moderated and Zdenka Willis presented on the coastal zone management and ocean observations panel. They emphasized the need for sustained ocean observations as a backbone for safety and a support for maritime commerce. They familiarized the group with the data, products, and technologies that are currently available as well as possibility for creating products with the maritime community in mind.



3. SCCOOS held their Board of Governors (BOG) meeting at Scripps Institution of Oceanography on November 8, 2012. The theme of Climate and Ecosystems with a focus on Ocean Acidification (OA) was devised by the [BOG executive committee](#)

- **Chair: Libe Washburn:** *University of California, Santa Barbara*
- **Roberta Marinelli:** *University of Southern California - Wrigley Institute*
- **Jim McWilliams:** *University of California Los Angeles*

- **John Orcutt:** *Scripps Institution of Oceanography - University of California, San Diego*
- **Steve Weisberg:** *Southern California Coastal Water Research Project (SCCWRP)*



Important questions were raised throughout the day that tried to determine SCCOOS future role in ocean acidification projects. A full day of presentations gave SCCOOS the information necessary to brainstorm with their colleagues on OA instrumentation, best practices, and strategies. A brief summary of the meeting is as follows:

- **Libe Washburn**, SCCOOS BOG chair, welcomed the attendees, updated everyone on SCCOOS activities in 2011-2012, and introduced the meeting theme of climate & ecosystems focusing on ocean acidification.
- **Julie Thomas**, SCCOOS executive director, gave her report focusing on SCCOOS activities with the Integrated Ocean Observing System (IOOS) as well as SCCOOS's west coast collaborations.
- **Zdenka Willis**, U.S. IOOS Program Office Director, provided her national perspective on ocean observing, ocean acidification, and the national glider plan.
- **Eric Terril**, SCCOOS technical director, updated us on the progression of the Federal Advisory Committee (FAC) and HF radar operations.
- **George Robertson**, senior scientist at Orange County Sanitation Department (OCSD), gave his recap of their recent diversion highlighting his use of SCCOOS products and involvement.
- **Jim McWilliams**, principal investigator with UCLA, followed up this talk by recapping the modeling support provided for the OCSD diversion.
- **Martha Sutula**, principal investigator with Southern California Coastal Water Research Project (SCCWRP), familiarized the group with the current bio-geochemical modeling efforts as well as possibilities for the future.
- **Leslie Rosenfeld**, Director of the Central and Northern California Coastal Ocean Observing System (CeNCOOS) gave a status report of current and future modeling collaborations with SCCOOS and CeNCOOS.
- **Federico Graef Ziehl**, Director for Mexico's Center for Scientific Research and Higher Education (CISESE) in Ensenada, spoke about ocean acidification and observing activities throughout Baja California.
- **Steve Weisburg**, Executive Director for SCCWRP, presented on potential roles for SCCOOS in an ocean acidification monitoring network.
- **Dennis Peterson**, Carlsbad Aquafarms associate, pointed out the SCCOOS data that he uses regularly and what his information needs are for Southern California aquaculture.
- **Skyli McAfee**, Executive Director of California's Ocean Science Trust, OPC Science Advisor, and C-CAN Chair, updated everyone on Ocean Protection Council initiatives and the California Current Acidification Network (C-CAN) activities.
- **Steve Schroeter**, biologist with the Marine Science Institute at UCSB, demonstrated the links of acidification monitoring to biological monitoring
- **Andrew Dickson** principal investigator at Scripps, gave the group perspectives on incorporating OA observations into coastal observing systems.

4. IOOS Association formerly (National Federation of Regional Associations – NFRA) held their annual meeting in Herndon, Virginia on November 11, 2012. The name change was made with the goal in mind to create a distinct link between IOOS and its regions for a more streamlined approach when advocating ocean observing. Josie Quintrell, the director of IOOS Association and Julie Thomas, the association chair, facilitated the meeting. The group is comprised of the directors of all 11 regional associations and they discussed issues such as branding, priorities for collaboration, sharing/developing products, and advocacy.

5. The 2012 IOOS summit took place at the Dulles Hyatt November 12-16, 2012. The SCCOOS staff that attended was Julie Thomas - Executive Director, Eric Terrill – Technical Director, Dan Rudnick – Executive Steering Committee Chair, Libe Washburn – Board of Governors Chair, Chris Cohen – Government and Public Relations Coordinator, and Danielle Williams – Program Coordinator. The summit celebrated the decade of progress as an ocean observing system and provided perspectives for a vision for IOOS moving forward in the next decade. This included examining technical and scientific requirements for delivering products to users by devoting a unified vision that covers the local, regional, national and global arenas. Breakout sessions facilitated discussions regarding products that addressing and fulfill user needs, cross-cutting issues, and actions items for the next steps.



6. The West Coast Ocean Observing Systems (SCCOOS, CeNCOOS and NANOOS) and the West Coast Governors Alliance (WCGA) on Ocean Health signed a Memorandum of Understanding in October 2012 to advance the effective management of coastal and ocean resources on the West Coast. The [MOU](#), signed by the state governments of California, Oregon and Washington and by the directors of SCCOOS, CeNCOOS and NANOOS, provides a formal mechanism for ensuring that the organizations' collaborative efforts are responsive to the comprehensive West Coast stakeholder community and incorporate the best available ocean observation-based information.

7. Program Profile – Automated Shore Stations

Each location below measure temperature, salinity, chlorophyll, turbidity, and water level at frequent intervals in the nearshore coastal ocean. This data can provide local and regional information on mixing and upwelling, land run-off, and algal blooms.

Automated Shore Station	Location (Lat/Lon)	Operator	Funder
Newport Pier	33.6073° N, 117.9289° W	University of California, Irvine (UCI)	NOAA/IOOS funds operations
Santa Monica Pier	34.0086° N, 118.4986° W	Institute of the Environment at University of California, Los Angeles (UCLA)	NOAA/IOOS funds operations
Scripps Pier	32.867° N, 117.257° W	Coastal Observing Research and Development Center (CORDC) at Scripps Institution of Oceanography	NOAA/IOOS funds operations
Stearns Wharf	34.4107° N, 119.6874° W	Marine Science Institute at University of California, Santa Barbara (UCSB)	NOAA/IOOS funds operations

8. SCCOOS November 2012 activities and meetings

Date	Purpose	Host
November 7, 2012	4 th annual Blue Tech Blue Economy Summit	Maritime Alliance
November 8, 2012	SCCOOS Board of Governors Meeting	SCCOOS
November 9, 2012	Tour with the French delegation from Pole Mer PACA (French maritime cluster)	SCCOOS
November 11, 2012	Integrated Ocean Observing System (IOOS) Associations Annual Meeting	IOOS Association
November 12-16, 2012	Integrated Ocean Observing System Summit	IOOS
November 17, 2012	NOAA Day at the Aquarium of the Pacific	NOAA

9. Announcements:

- There are currently **13 spaces available** for an upcoming Ocean Observing Workshop at SCWRP in Costa Mesa (3535 Harbor Blvd. Suite 110 Costa Mesa, CA 92626) on **DECEMBER 12, 2012** from 9 am to 4 pm. You can learn what is available and how this information can be used to help develop/support your permits, compliance assessment, understanding, and enforcement. At this workshop SCCOOS will familiarize you with current technologies, data visualizations, and case studies about harmful algal bloom monitoring, regional ocean models, surface currents, glider profiles, ect.. This will also give you an opportunity to provide feedback and suggestions. Questions can be directed to Johanna Weston at JWeston@waterboards.ca.gov or (916) 327-8117. Attendees will need to bring a laptop to participate in computer based activities. Register at <http://www.trainingforce.com/6/lp/gowater.aspx?ot=8&otid=427>

- COASTAL PHYSICAL OCEANOGRAPHER, TENURE TRACK FACULTY POSITION. The Physics Department at California Polytechnic State University, San Luis Obispo, CA, invites applications for a full-time, academic year, tenure-track position beginning 9/16/2013. Primary duties and responsibilities are to teach undergraduate physics and physical oceanography, and to maintain an active professional development program that provides research experiences for undergraduate students. Research expertise and interest in nearshore coastal circulation and hydrodynamics of bays and estuaries is desirable. In addition to being a member of the

Physics Department, the successful candidate will also be a member of a multidisciplinary team of faculty as part of Cal Poly's Center for Coastal Marine Sciences which is a member of the Central and Northern California Coastal Ocean Observing System and the Southern California Coastal Ocean Observing System consortia. These consortia offer extensive oceanographic data sets and they provide opportunities for collaboration to enhance student-centered research programs at Cal Poly. A Ph.D. in physics, oceanography, or related field is required by time of appointment (all requirements for the Ph.D. must be completed prior to 9/16/2013). Postdoctoral experience is preferred. Must provide evidence of (or potential for) high quality teaching. To apply, please visit WWW.CALPOLYJOBS.ORG, complete a required online faculty application, and apply to requisition #102636. Attach a cover letter, CV, a statement of teaching philosophy and interests, and a statement of professional goals. Be sure to submit your online application specifically to the Physics Department requisition #102636. Please see online posting instructions for having three letters of recommendation sent directly by references. Review of applications will begin Dec. 3, 2012. Applications received after that date may be considered. On-campus interviews with finalists are expected to commence in mid-January 2013. For more information about the Physics Department please visit <http://physics.calpoly.edu/>. Cal Poly is strongly committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of all qualified individuals, EEO.

- The CSU COAST Geospatial Network will host a workshop on geospatial techniques and data analysis in the marine environment at CSU Monterey Bay **January 17-19 2013**. The workshop will focus on marine geospatial data collection techniques and analysis and their application to biological and ecological research questions.

The workshop will follow a field to finish format where participants will spend one day in the field learning geospatial data acquisition techniques followed by one day in the lab processing and analyzing the data. Participants in the workshop must have entry-level GIS experience. Those without GIS experience will be provided with access to an online ESRI training module that must be completed prior to the start of the workshop.

Academic faculty members from any higher learning institution, their students, and staff of state and federal agencies and non-profit organizations with a presence in California are invited to participate. Registration will be on a first-come, first-served basis, but will be limited to two participants from any single organization or school. Students should only attend with their faculty advisor. The workshop will be limited to approximately 25 individuals. Participants will be reimbursed for travel expenses following the workshop (up to \$350 on average). Please see <http://www.calstate.edu/coast/GREAT/GREATnews.shtml> for workshop details and information on how to sign up. Feel free to distribute this message broadly.

- Job announcement for an Assistant Professor of Oceanography at California Maritime Academy, Cal State University. The link to the HR office/job announcement is: <http://www.csum.edu/web/faculty-and-staff/hr/employment>