

## Opportunities in the Region

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### Funding Opportunities

- NOAA Climate Resilience Regional Challenge Notice of Funding Opportunity
  - Track One: Regional Collaborative Building and Strategy Development
  - Track Two: Implementation of Resilience and Adaptation Actions
  - Letter of Intent due 21-August
  - Full applications due 13-February
- NOAA Ocean-Based Climate Resilience Accelerators
  - Phase One: Climate Resilience Accelerator Program Design
    - Applications due 11-September
    - \$450,000 over 9 months
  - Phase Two: Implementation of Accelerator Programming
    - Applications due in early 2024 up to \$10M over 4 years
- California Sea Grant Accelerating Kelp Research and Restoration in California
  - Letter of Intent due 15-August
  - Full proposals 3-Oct
- Lenfest Ocean Program Request for Proposals to support collection, analysis, and/or communication of Indigenous Knowledge and wisdom; and engagement approaches that facilitate the integration of this knowledge in ocean and coastal management decisions.
  - Application deadline 15-October
- ROSES-2023 Amendment 31: DRAFT Ecological Conservation Catalyst (ECC) Program Elements (A.61 A.64) Released for Community Comment
  - Questions and comments on these drafts are due by August 15th, 2023, via email to [keith.gaddis@nasa.gov](mailto:keith.gaddis@nasa.gov) and cc [woody.turner@nasa.gov](mailto:woody.turner@nasa.gov)
  - For planning purposes, the anticipated proposal due dates are currently
    - A.61 ECC Central Office: January 2024,
    - A.62 ECC Feasibility Projects: April 2024,
    - A.63 ECC Champion Activities: April 2024,
    - A.64 ECC Dynamic Media: May 2024.

### Call for Abstracts

- American Geophysical Union (AGU) 2023, 11-15 December 2023, San Francisco, CA
  - Abstract submission due 2-August

### Job Announcements

- Ocean Protection Council Program Manager
  - Apply by August 17, 2023.
  - View the minimum qualifications for an Environmental Scientist, including necessary education and experience. Completion of the Environmental Scientist State Civil Service

Examination is required, and exam scores must rank in the top three tiers within the applicant pool to be further considered in the application process.

## Upcoming Activities

### 2023

- Aug 9-10: Our Water Data Future, SIO, La Jolla
- September 8: Channel Islands National Marine Sanctuary (CINMS) Sanctuary Advisory Council Meeting, Santa Barbara, CA - SCCOOS presenting
- September 24-27: Eastern Pacific Ocean Conference, Fallen Leaf Lake, South Tahoe, CA - SCCOOS presenting
- September 26-29: IOOS DMAC Meeting, Washington, D.C.
- September 28: Climate Resilience and California's MPA Network Webinar
- October 4, Harbor Safety Meeting, Port of Los Angeles, Los Angeles, CA
- October 23-27: IFCBWorks23, Woods Hole, MA
- October 26-28: SACNAS: Build community. Create a legacy. Portland, OR
- November 5-11: International Conference on Harmful Algae, Hiroshima, Japan
- November 12-16: CERF Biennial Conference, Portland, OR
- November 15: CDFW San Diego Area Committee Meeting - SCCOOS presenting
- November 29-Dec 1: IOOS Fall Meeting, SIO, La Jolla, CA - SCCOOS hosting
- December 11-15: AGU 2023, San Francisco, CA & online

### 2024

- Jan 22-26: Partnership for Observation of the Global Ocean, CICESE, Ensenada, Mexico
- Feb 18-24: Ocean Sciences Meeting, New Orleans, LA
- March 3-9: World Fisheries Congress, Seattle, WA
- April 10-12: 2024 Ocean Decade Conference, Barcelona, Spain

## Recent Publications

SCCOOS Principal investigators are in bold

- **Kenitz, K. M.**, Orenstein, E. C., **Anderson, C. R.**, Barth, A. J., Briseño-Avena, C., **Caron, D. A.**, **Carter, M. L.**, Eggleston, E., Franks, P. J. S., Fumo, J. T., Jaffe, J. S., McBeain, K. A., Odell, A., Seech, K., Shipe, R., Smith, J., Taniguchi, D. A. A., Venrick, E. L., & Barton, A. D. (2023). Convening Expert Taxonomists to Build Image Libraries for Training Automated Classifiers. *Limnology and Oceanography Bulletin*. <https://doi.org/10.1002/lob.10584>
- **Kenitz, K.M.**, **Anderson, C.R.**, **Carter, M.L.**, Eggleston, E., Seech, K., Shipe, R., Smith, J., Orenstein, E.C., Franks, P.J., Jaffe, J.S. and Barton, A.D. (2023). Environmental and ecological drivers of harmful algal blooms revealed by automated underwater microscopy. *Limnology and Oceanography*, 68(3), 598-615. <https://doi.org/10.1002/lno.12297>
- Yan, J., Cook, T., Ho, A., Otero, M., Rogowski, P. A., **Terrill, E.**, & Merrifield, S. (2023). PyPlume: A toolkit for rapid ocean surface transport assessments. *Software Impacts*, 100548. <https://doi.org/10.1016/j.simpa.2023.100548>
- Joshua G. Smith, Christopher M. Free, Cori Lopazanski, Julien Brun, **Clarissa R. Anderson**, Mark H. Carr, Joachim Claudet, Jenifer E. Dugan, Jacob G. Eurich, Tessa B. Francis, Scott L. Hamilton, David Mouillot, Peter T. Raimondi, Richard M. Starr, Shelby L. Ziegler, Kerry J. Nickols, Jennifer E. Caselle. (2023). A marine protected area network does not confer community structure resilience to a marine heatwave across coastal ecosystems. *Global Change Biology*. <https://doi.org/10.1111/gcb.16862>

- **Sydeman, W. J.**, Thompson, S. A., García-Reyes, M., Kroeger, C., Hoover, B., Batten, S. D., & Rojek, N. A. (2023). Effects of currents and temperature on ecosystem productivity in Unimak Pass, Alaska, a premier seabird and biodiversity hotspot. *Progress in Oceanography*, 103082. <https://doi.org/10.1016/j.pocean.2023.103082>
- Hoogstra, L. (2023). (Mathematics, M.S. Thesis at Cal Poly SLO), "Detecting coherent transport structures in ocean surface flows."- utilized HFR data for analysis
- Johnson, E. (2023). Masters of Science from Cal Poly, SLO - utilized Cal Poly Pier HABMAP data
- Zheng, B. (2023). New observations of fine-scale physical and biogeochemical dynamics enabled by ocean-wave-powered profiling. Doctoral dissertation, UC San Diego. - utilized SCCOOS funded WireWalker and IFCB on Del Mar Moornig
- Werb, B.E. (2023) Changes in North Pacific Sea Surface Temperature and Source Water in the California Current. Thesis, UC San Diego. - utilized SCCOOS glider data

## In the Media

- Summer, L. What's killing hundreds of sea lions and dozens of dolphins along the Southern California coast? *Los Angeles Times*. June 20, 2023 - references C. Anderson, SCCOOS/SIO
- Halpert, M. Toxic algae kills hundreds of dolphins and sea lions on California coast. *BBC News*. June 21, 2023. - References D. Caron, USC
- Ritchie, E. Over 1,000 sea lions, dolphins are getting sick and dying as toxic bloom off coast expands. *The Orange County Register*. June 22, 2023 - references C. Anderson, SCCOOS/SIO
- Christiansen, A. Alarming Die-Off of Dolphins in California: "Algae is to Blame." *La Voce di New York*. June 22, 2023. - References D. Caron, USC
- Rivera, M. California Toxic Algae: The Silent Killer of Dolphins and Sea Lions. *Southwest Journal*. June 23, 2023. - References D. Caron, USC
- Mercado, A. A Toxic Algae Bloom Is Killing California's Sea Lions. *Yahoo News*. June 22, 2023. - references C. Anderson, SCCOOS/SIO
- Dr. Clarissa Anderson - What is the Algae Bloom? *The Resource Santa Barbara*. June 23, 2023. - references C. Anderson, SCCOOS/SIO
- Pointing, C. The Climate Crisis Is Causing Algae to Overproduce. Here's Why That's a Big, Toxic Problem. *The Ethos*. June 25, 2023 - References D. Caron, USC
- Gorden, M. Mammals getting sick due to toxic algae along California coast. *Fox Weather*. June 27, 2023.
- Cleary, M. 'It gets worse every day': why are sea lions and dolphins dying along California's coast? *The Guardian*. June 28, 2023. - references C. Anderson, SCCOOS/SIO
- Handy, S. Shark sightings on the rise in San Diego. *CBS8*. June 28, 2023 - References C. Lowe, CSULB
- Duggan, T. Toxic algae is killing ocean mammals on California coast. Could the bloom spread to the Bay Area? *San Francisco Chronicle*. June 30, 2023. - references C. Anderson, SCCOOS/SIO
- Letang, A. Scientists provide update on algae bloom impacting marine life. *Fox 5 San Diego*. June 30, 2023. - references C. Anderson, SCCOOS/SIO
- Callahan, M. Toxin responsible for dead sea lions, dolphins washing ashore in Southern California not yet seen in Sonoma County, experts say. *The Press Democrat*. July 1, 2023. - references C. Anderson, SCCOOS/SIO
- *CNN*. July 1, 2023. Transcript - references C. Anderson, SCCOOS/SIO
- Elbein, S. Hundreds of sick sea lions filling California beaches this holiday weekend. *The Hill*. July 1, 2023. - references C. Anderson, SCCOOS/SIO
- Duggan, T. SF Bay Area Could get toxic algae bloom that harms dolphins. *San Francisco Chronicle*. July 1, 2023. - references C. Anderson, SCCOOS/SIO

- Alvarega, E. [Sick, disoriented and aggressive sea lions are washing ashore. Here's why, and here's how San Diegans can help.](#) *The San Diego Union-Tribune*. July 2, 2023. - references C. Anderson, SCCOOS/SIO
- Anderson, E. [Toxic algae hitting sea lions hard along Southern California coast.](#) *KPBS*. July 6, 2023. - references C. Anderson, SCCOOS/SIO
- Encinas, A. [California's great white shark population is growing, but risk of attack isn't. Here's why.](#) *USA Today*. July 29, 2023. - References C. Lowe, CSULB
- [Science Student Uses DNA to Study Sharks off Southern California's Coast.](#) *CSUF News*. - References R. Walter, Cal Poly SLO

**Find regularly updated information about Funding, Events, Jobs, Student Opps, and more on the SCCOOS [website](#) and on [Twitter!](#)**



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