

Central and Northern California Ocean Observing System
Director
Description As of July 2026

The CeNCOOS Director is responsible for overall Regional Association management, including the overall management of the Regional Coastal Ocean Observing System (RCOOS) certification. The CeNCOOS Director, in collaboration with the Deputy Director, manage the day-to-day governance and operation of the CeNCOOS system, oversee its response to users and stakeholders, participation and coordination with other IOOS initiatives, and the activities of sub-award institutions supported by CeNCOOS under this award. The Directorate is assisted by the MBARI grants office who ensures efficient financial operations and compliance. The Director are also assisted by the CeNCOOS Data and Information Manager and other project office staff, who coordinate with working groups to provide ongoing systems support and oversight (including its Core Capability Advisory Committees and task teams).

Major responsibilities include but not limited to:

- Ensure ongoing programmatic excellence, integrity, and transparency;
- Develop and maintain the Central and Northern California regional component of the national Integrated Ocean Observation System (IOOS);
- Manage operations for RCOOS certification and standards compliance;
- Represent Central and Northern California interests to national and regional entities including US IOOS, the IOOS Association and in other national and international venues that further the CeNCOOS mission;
- Lead the CeNCOOS partnership to operate and evolve its integrated system of ocean observations to meet the needs of a wide variety of users, including industry, resource managers, researchers, public safety agencies, educators, and the public;
- Develop and implement the CeNCOOS Strategic Operational Plan, governance, strategic, regional, business, and education and outreach plans;
- Deepen existing partnerships and cultivate new partnerships with state and federal decision-makers, scientific community, and stakeholders.
- Oversee contracts and subawards.
- Supervise employees and contractors as appropriate.
- Assist with implementation of the national IOOS program, as well as obtaining funding for the program.
- Seek extramural funding opportunities through proposal writing and coalition building.
- Work with the Governing Council to support strategic and financial decisions.

Central and Northern California Ocean Observing System
Deputy Director
Description As of January 2024

The Deputy Director works closely with the CeNCOOS Director, staff, and Governing Council to manage the ongoing observation systems and planning efforts in Central and Northern California. The role is responsible for day-to-day Observation Systems Management across the region, including administration of the program and serves on behalf of the Director as needed.

Major responsibilities include but are not limited to:

- Develop and implement strategic plans that help the program run efficiently and coordination with the Director and Governing Council, including the refresh of 5-year Strategic Plans;
- Assist in all aspects of developing the CeNCOOS program, including representing CeNCOOS in national to regional fora, observing system and Strategic Plan performance metric and overall systems reviews, and development of build-out plans and updates;
- Coordinate product and project management oversight within the organization;
- Support administrative management and oversight of CeNCOOS grants, programs and subawards including data contracts and subawards;
- Develop organizational frameworks and provide direct operational oversight of all CeNCOOS ocean observing assets and activities;
- Establish reporting and evaluation metrics to monitor the progress of the program in meeting goals and objectives and ensuring organizational accountability;
- Maintain documentation and review related practices and procedures related to maintaining Regional Coastal Ocean Observing System (RCOOS) certification from NOAA;
- Coordinate and organize Governing Council and other CeNCOOS and IOOS meetings through communications and reporting program requirements, including revision of the CeNCOOS Bylaws as needed;
- Work closely with the CeNCOOS staff, partners and stakeholders to understand evolving regional needs facilitate the prioritization and implementation of new observing instruments and initiatives, improved service delivery;
- Help supervise data management and other program employees and contractors and coordinate closely with the CeNCOOS Principal Investigators and technical staff;
- Participate with national programmatic efforts and activities in other regional ocean observing programs, such as managing the California Current Acidification Network;
- Lead and participate in CeNCOOS proposal development efforts, including acting as Principal Investigator on select extramural proposals, as well as organizes required and supporting documentation, facilitates working groups, give presentations at professional conferences and meetings, writes peer reviewed papers and white papers relevant to ocean observing;
- Oversee communications activities to increase ocean observing literacy, improve service delivery and the impact of coastal ocean observing on decision-making and wise use of the ocean;

- Organize production of targeted, audience-specific education and outreach materials including a seasonal newsletter, website maintenance, social media content and printed materials;
- With support from the Director, lead CeNCOOS public policy engagement and education activities, liaising with local, state, and federal agencies and representatives.
- Lead environmental compliance coordination, including permitting documentation and NEPA/CEQA compliance;
- Spearhead partner and stakeholder outreach and engagement, including building new partnerships.

Central and Northern California Ocean Observing System
Data and Information Manager
Description as of July 2026

The Data and Information Manager reports to the CeNCOOS Director, and works closely with the Program Office staff as the position responsible for meeting aspects of Regional Coastal Ocean Observing System (RCOOS) certification related to data management and related standards and practices. This includes working with Data Specialists and with direction of the Deputy Director.

Responsibilities include but are not limited to:

- Coordinate data management activities among the IOOS Program Office, its DMAC team, our DMAC delivery partner Tetra Tech, and other CeNCOOS Partners (e.g. via regular conference calls and standards reviews);
- Support the CeNCOOS DMAC Sub-system, which includes all CeNCOOS hardware (servers) and software that support data ingestion, search, aggregation, access/transport, and storage/archive systems in compliance with IOOS requirements;
- Responsible for working with Tetra Tech et al. to ensure their work is in line with IOOS DMAC and other standards;
- Ensure CeNCOOS Data Subsystem meets IOOS information coordination requirements, including those for interoperability and quality control;
- Assists in maintaining and updating RCOOS certification documents, with assistance from other CeNCOOS Program Office staff and Tetra Tech;
- Support functioning of data services including ERDDAP and THREDDS in cooperation with Tetra Tech;
- Maintain and refresh existing data source catalogs, metadata, and work with the CeNCOOS Technical Manager to create and update data stream plans;
- Use and update QARTOD as a means to discuss data quality and flagging with data provider teams;
- Maintain CeNCOOS web site including ensuring MBARI and contractor systems underpin robust website function;
- Create and update usage analytics for our website, the California Ocean Observing Systems Data Portal and its key components, and mobile and tablet applications;
- In cooperation with the CeNCOOS DMAC Specialist and Research Technician:
 - Provide two-way communication with users through product feedback, thus shaping the flow of information so that it meets their needs;
 - Ingest new data following CeNCOOS strategic priorities;
 - Produce analytics to underpin data syntheses and condition reports on the status and trends of key indicator variables;
 - Facilitate DMAC-related engagement with data providers, as well as end users (e.g. tracking feedback, response and actions);
- In cooperation with the CeNCOOS Engagement Specialist, contribute to communications by maintaining internet-based education and outreach tools or data access training materials to improve data accessibility.

**Central and Northern California Ocean Observing System
DMAC Specialist
Description as of July 2026**

In close cooperation with the CeNCOOS Program Office team, including other Data Management and Cyberinfrastructure (DMAC) experts, this role bridges technical development between acquisition, curation, and dissemination of data and information products from suppliers to users of information. This post entails working across the domains of physics, biogeochemistry, biology, and ecosystem variables. As CeNCOOS enhances service delivery, this work also benefits from understanding of collective benefit, the integration of data through forming and applying best practices, which make data findable, accessible, interoperable and reusable (FAIR). This work also includes authority to control, responsibility, and ethics (CARE) principles of data management. The role serves as a technical manager for CeNCOOS and provides specialized technical or analytical expertise in support of CeNCOOS. This position has a high level of independence, coordination and problem-solving to support and execute complex research projects, inclusive of advanced data handling skills.

Major responsibilities include, but are not limited to:

- Working with the Director and Deputy Director, identify actions / tasks for other staff to maintain systems across the data life cycle and CeNCOOS subsystems;
- Maintain data and operations tools/dashboards and use this to identify and solve issues, including through assistance from the Data and Information Manager, data providers and others;
- Develop capabilities to visualize or process CeNCOOS data holdings, including via knowledge and context gathering facilitated through work of the CeNCOOS Program Specialist;
- Work with the DMAC team members to streamline the production of analytics to underpin data syntheses and condition reports on the status and trends, such as for California marine protected areas, Integrated Ecosystem Assessments, National Marine Sanctuary Condition Reports and information to support decision making;
- Prepare data for integration into CeNCOOS DMAC systems including alignment of data to national and/or international metadata formats and standards (e.g. NetCDF, EML, OBIS);
- Oversee task teams of data and technical experts, often distributed across CeNCOOS-linked project partners from academia to government, tribes, and private industry with the aim to link new and existing data sources to end-users through the development of information products;
- Plan and lead meetings and workshops for current and prospective ocean observing practitioners and information users that reach new communities;
- Lead or contribute to the dissemination of CeNCOOS products and tools, including maintaining Internet-based education and outreach materials or data access training tutorials to improve data accessibility, e.g. via documents or presentations;
- Contribute to project administration, including logistics and financial aspects. E.g. Provide technical project management and oversight including CeNCOOS tracking and

reporting progress towards strategic goals and metrics, ensuring available resources are being utilized to meet objectives, including from extramural grants and subawardees;

- Potentially supervise and/or mentor staff, postdoctoral fellows, students and interns;
- Participate in hiring processes and committees as needed;
- Contribute to the development of research proposals and funding acquisition efforts;

**Central and Northern California Ocean Observing System
Program Specialist
Description as of July 2026**

This role has a focus on coordination and engagement amongst our delivery partners, information users and more, to understand, track, and meet regional needs for the Central and Northern California Ocean Observing System (CeNCOOS). The position assists in administration of multiple funding sources to support the regional observing system, which consists of a diverse team of scientists, resource managers, educators, tribes, federal, state, and local governmental bodies and industry. In close collaboration with the CeNCOOS Director, Deputy Director, and diverse regional and national expert teams, the position will support the integration and processing of new and existing data streams.

Major responsibilities include but are not limited to:

- Engage with CeNCOOS member organizations, ocean observing practitioners, users of ocean information, and the greater IOOS network to improve coordination and streamline information access for existing and new user groups;
- Maintain and strengthen relationships and communications with representatives from academic, industrial, ngo, governmental, and tribal organizations, coordinate shared research efforts, and follow-up on feedback for continuous improvement;
- Assist or lead CeNCOOS teams and working groups to drive program developments and improvements, including setting meeting agendas and goals that support resilient decision making;
- Serve as liaison between the information users and information product developers by compiling, communicating with, and resolving questions and issues;
- Provide project oversight, including scheduling, facilitating, and reporting on partner and stakeholder meetings;
- Help plan Governing Council and other CeNCOOS and IOOS meeting logistics and facilitate working groups deliberations;
- Help to track and report on the progress of the program in meeting goals and objectives and ensuring organizational accountability;
- Assist in administrative management and oversight of CeNCOOS grants, spending, procurement, including data contracts and subawards.

Central and Northern California Ocean Observing System
Research Technician
Description as of July 2026

The Research Technician will support oceanographic data integration, visualization, and analysis, including via the creation and maintenance of software code to (semi)automate data handling. This position is ideal for candidates with a strong technical background bridging environmental and data science and a willingness to learn and engage. This occurs in close collaboration with the CeNCOOS Director, Deputy Director, other DMAC experts, and diverse regional and national expert teams, the position will support the integration and processing of new and existing data streams. This work populates our website data products and portal systems California Ocean Observing Systems Data Portal, as well as related systems including the California Ocean Acidification and Hypoxia Portal and a Harmful Algal Bloom Data Assembly Center. It also supports DMAC efforts for CeNCOOS's role in the Marine Biodiversity Observation Network Program of IOOS. This post will entail working across the domains of physics, biogeochemistry, biology, and ecosystem variables and adheres to FAIR and CARE principles.

Primary responsibilities:

- Prepare data for integration into CeNCOOS DMAC systems including alignment of data to national and/or international metadata formats and standards (e.g. NetCDF, EML, OBIS-ENV-DATA);
- Contribute to the development capabilities to visualize or process CeNCOOS data holdings, including via knowledge and context gathering facilitated through work of the CeNCOOS Engagement Specialist;
- Participate in data quality assessment and quality control as required, including flagging outlier data summary statistics analysis, aligning label and vocabularies in large and long term datasets;

Secondary responsibilities:

- Contribute to the development and implementation of new and improved data handling pathways;
- Maintain data and operations tools/dashboards and use this to drive identifying and executing solutions to issues, including through assistance from the Data and Information manager, data providers and others;
- Contribute to the preparation of technical reports, summaries, protocols, and data analyses.