Federal, Regional or State Priority | Strategy 1: Long-term measurements | Strategy 2: CeNCOOS data portal | Strategy 3: Data-assimilating ecosystem models | Strategy 4: Products to inform policy & decision makers
--- | --- | --- | --- | ---
**IOS Themes**
Marine Operations | ✗ | ✗ | ✗ | ✗
Coastal Hazards | ✗ | ✗ | ✗ | ✗
Climate Variability and Change | ✗ | ✗ | ✗ | ✗
Ecosystems, Fisheries, & WQ | ✗ | ✗ | ✗ | ✗
**WCGA Priorities**
Marine Debris | ✗ | ✗ | ✗ | ✗
Adaptation to Climate Change | ✗ | ✗ | ✗ | ✗
West Coast Ocean Data Portal | ✗ | ✗ | ✗ | ✗
Ocean Acidification | ✗ | ✗ | ✗ | ✗
**CA OPC Focus Areas**
Science-based Decision-making | ✗ | ✗ | ✗ | ✗
Climate Change | ✗ | ✗ | ✗ | ✗
Sustainable Fisheries & Ecosystems | ✗ | ✗ | ✗ | ✗
Impacts from Land-based Sources | ✗ | ✗ | ✗ | ✗
Existing & Emerging Ocean Uses | ✗ | ✗ | ✗ | ✗

Federal, West Coast, and State priorities were an essential component of CeNCOOS’s strategic planning process. The matrix above summarizes the relationship between the CeNCOOS program strategies and the priorities of the U.S. Integrated Ocean Observing System (IOOS), the West Coast Governor’s Alliance on Ocean Health (WCGA), and the California Ocean Protection Council (CA OPC). Further details on these relationships can be found in the full plan.

For the full CeNCOOS 2014-2019 Strategic Plan, visit www.cencoos.org

CeNCOOS is one of 11 regional organizations under the U.S. IOOS, a national-regional partnership working to provide new tools and forecasts to improve safety, enhance the economy, and protect our environment.

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CeNCOOS Strategic Plan

Mission Statement
CeNCOOS is a collaborative that enables sustained and coordinated measurements, model nowcasts and forecasts, and integrated products to inform decisions about our regional ocean.

Current Work:
- Supporting long-term measurement of meteorological and ocean physical, chemical and biological parameters
- Data serving through portal and web services

By 2019:
- Add additional parameters
- Upgrade with evolving technology
- Continue to adapt services to meet user needs

Strategy 2: Provide a publicly accessible data portal to integrate real-time and historic time-series measurements together with geospatial and other data.

Current Work:
- Operating an interactive online data portal serving near real-time data from stationary platforms, satellites, and models, including some historical data

By 2019:
- Serve all long-term ocean observing data, including from mobile platforms
- Make more historical data sets accessible
- Ensure interoperability with State, Regional, and National data portals

Strategy 3: Develop, implement, and operate data-assimilating coupled ocean physical-biogeochemical ecosystem models.

Current Work:
- Supporting California and West Coast ocean circulation models
- Supporting COAMPS atmospheric model

By 2019:
- Be a leader in the development, implementation, and operation of ocean physical-biogeochemical ecosystem models
- Routinely serve nowcasts and forecasts for an expanded set of variables
- Models directly inform research, management, and operational activities

Strategy 4: Utilize data to create products to inform policy and decision-making.

Current Work:
- Maintaining a portfolio of observation and model based products that inform policy and decision making

By 2019:
- Focus resources on products that inform sound and evidence-based policy and decision-making
- Further partnerships and work collaboratively with stakeholders to determine product development priorities

Core Capabilities
- Scientific and technical expertise/leadership
- Ocean surface circulation measurements using HF radar
- Shore stations measuring water quality, hydrography, & harmful algal blooms
- Ships/gliders/moorings monitoring offshore subsurface variables
- Numerical models (Forecasts)
- Seafloor/habitat mapping data delivery
- Data serving
- Data/information products

Principles
Maintain activities and products that:
- Span our geographic region
- Promote partnerships among regional stakeholders
- Are inclusive across the National, State, and Regional priorities
- Include a diverse set of funded projects/recipients
- Support a stable, trained workforce
- Leverage intellectual capacity and resources to position CeNCOOS as a leader within IOOS

Program Strategies

Vision Statement
CeNCOOS will be a leader within U.S. IOOS®, and be recognized and relied upon regionally and nationally as a trusted source of data, information, and expertise to inform wise use of the ocean off central and northern California.

Figure 1: An illustration of CeNCOOS observing and modeling activities.

For detailed strategies, please visit www.cencoos.org for the full strategic plan.
Strategy 1: Continue long-term measurements of meteorological, and ocean physical, chemical, and biological parameters.

**Current Work:**
- Supporting long-term measurement of meteorological and ocean physical, chemical and biological parameters
- Data serving through portal and web services

**By 2019:**
- Add additional parameters
- Upgrade with evolving technology
- Continue to adapt services to meet user needs

Strategy 2: Provide a publicly accessible data portal to integrate real-time and historic time-series measurements together with geospatial and other data.

**Current Work:**
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Central and Northern California Ocean Observing System (CeNCOOS)

2014-2019 Strategic Plan Summary

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