



# Central and Northern California Ocean Observing System (CeNCOOS)

## 2014-2019 Strategic Plan Summary



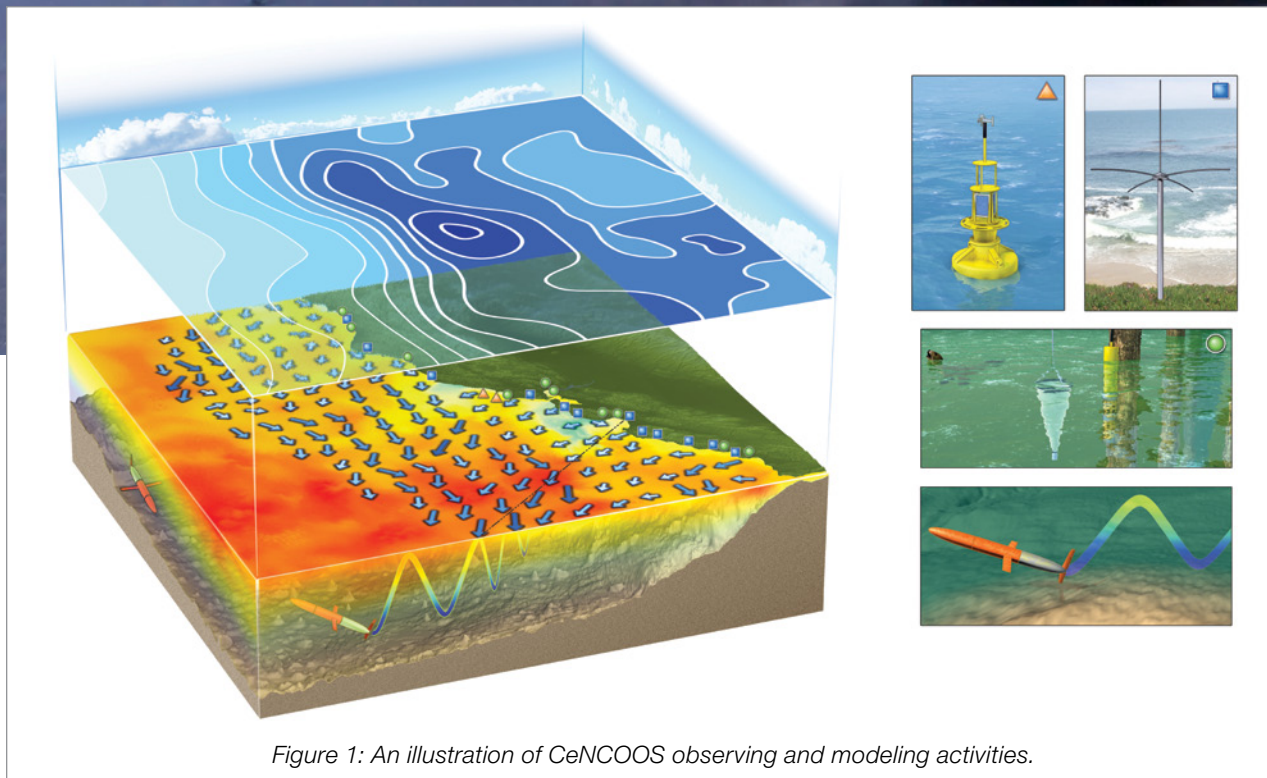
# CeNCOOS Strategic Plan

## 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.

## 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.



## 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

**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:

- ◆ 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.

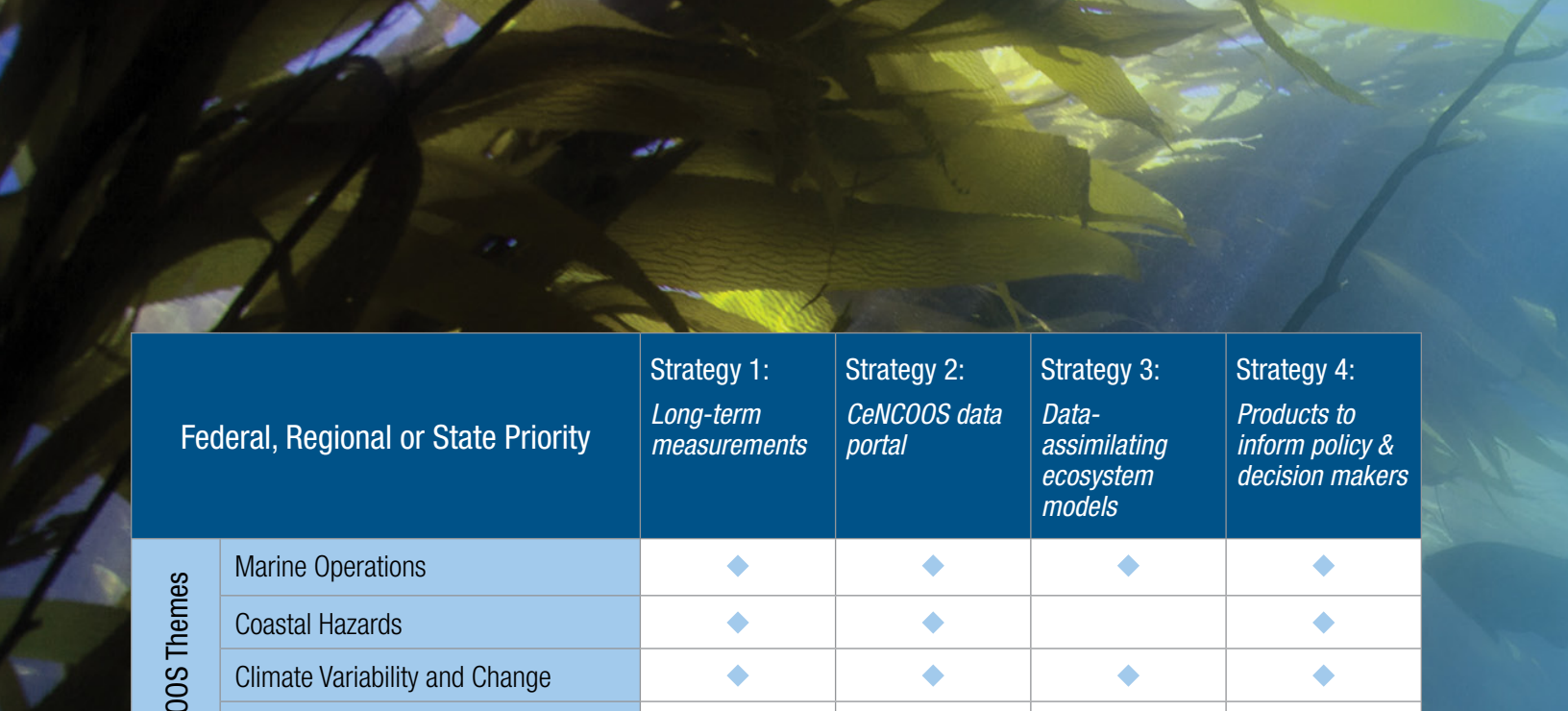
## Current Work:

- ◆ 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

For detailed strategies, please visit [www.cencoos.org](http://www.cencoos.org) for the full strategic plan.



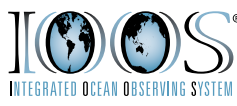
Federal, Regional or State Priority		Strategy 1: <i>Long-term measurements</i>	Strategy 2: <i>CeNCOOS data portal</i>	Strategy 3: <i>Data-assimilating ecosystem models</i>	Strategy 4: <i>Products to inform policy &amp; decision makers</i>
IOOS Themes	Marine Operations	◆	◆	◆	◆
	Coastal Hazards	◆	◆		◆
	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](http://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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