



## CeNCOOS supports:

- 26 HFR systems (surface currents)
- 15 shore stations/moorings (water properties, some w/HAB sampling)
- 5 models
  - West Coast ROMS (Edwards)
  - California ROMS (Chao)
  - Coupled Ocean/Atmosphere Mesoscale Prediction System (COAMS)
  - Cal. Harmful Algae Risk Map. (C-HARM) – via C Anderson & Coast Watch
  - West Coast Ocean Forecast System (WCOFS) – NOAA lead
- 2 profiling gliders, soon 3<sup>rd</sup> planned
- Data portal – <https://data.cencoos.org>
  - Hosts >1000 data streams from local, state and federal partners

## FY18 Fill the Gaps

Restarting **Trinidad Head Line**

Infrastructure improvements for HFR – 11 sites >15 yrs old (\$145k)

## FY19 Fill the Gaps

Initiate **Pt. Arena line** - ~\$50M in fisheries landings in the area, OAH issues

Infrastructure improvements for HFR – (\$150k)

## FY20 Fill the Gaps

SF Bay HFR - Lands End Lookout, high res currents in high traffic area

Biogeochemical sensors for gliders – OAH, C sequestration

Example of recent member engagement – Working w/ Marine Exchange et al. in water level forecasting, potential ~\$100M/year increase in goods transported for 0.13 m in load/draft change.

- BGC & BioEco strategic priorities
- HABs, MPAs, OAH & Fish/Aquac., NMFS-IEAs, NMS-Cond. Rep.
- e.g. bringing Humboldt and Bodega into CA HABMAP effort, serving IFCB data
- Strategic alignment with IOOS, CA – Ocean Protection Council & Ocean Science Trust.