CeNCOOS Update

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 3rd planned
- Data portal – [https://data.cencoos.org](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.