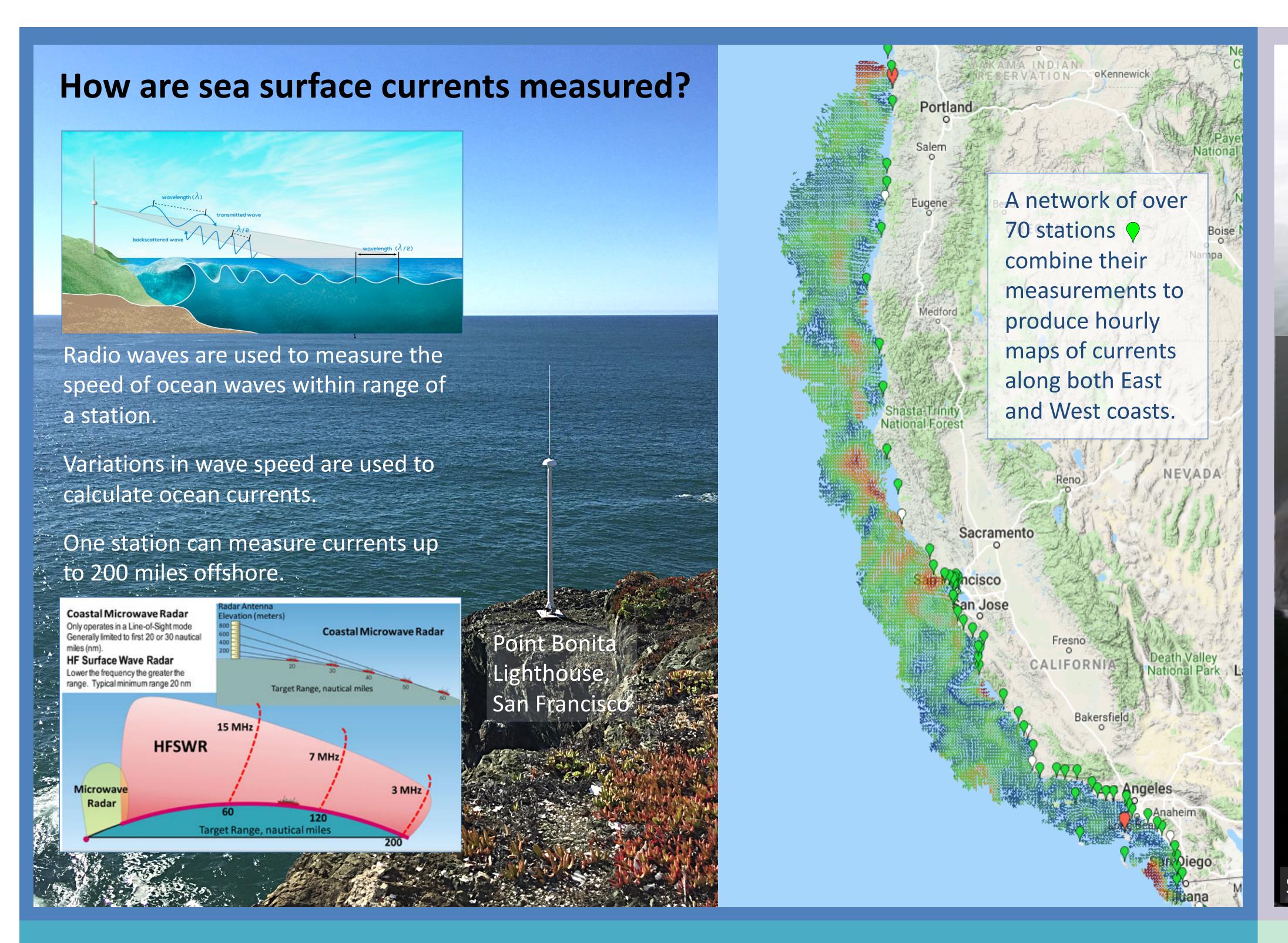
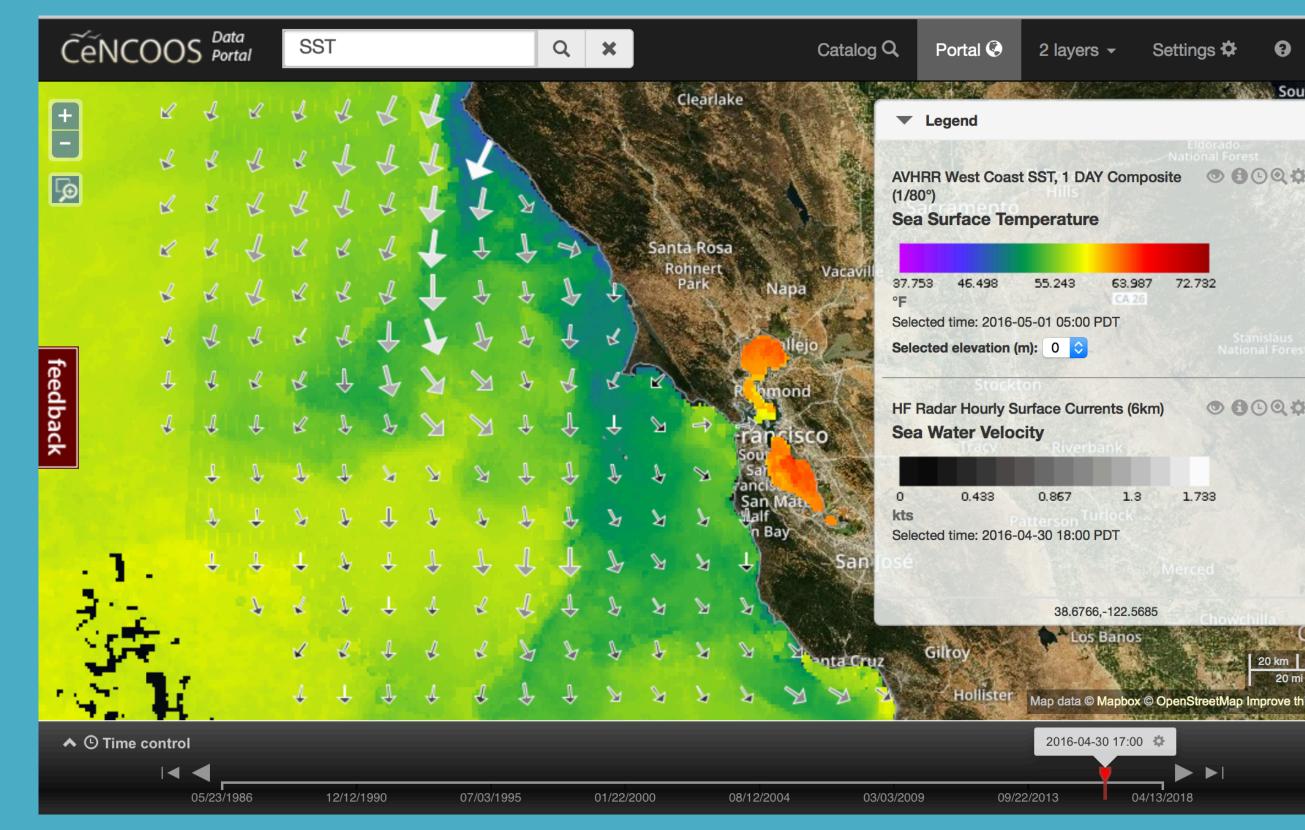
Sea Surface Current Measurements: What They Are and Why You Need Them



Where can I get data?

Browse the CeNCOOS Data Portal



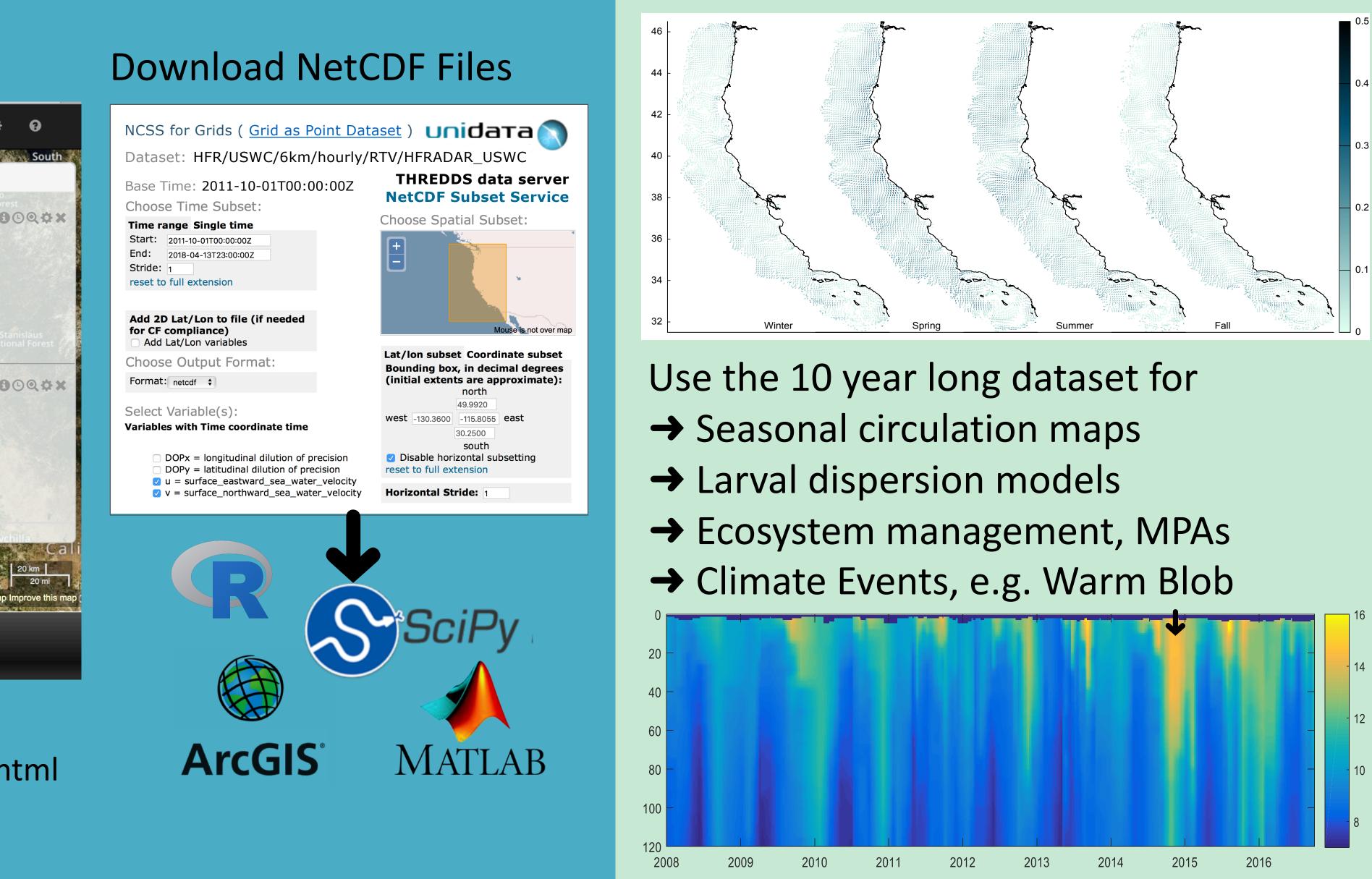
CeNCOOS Data Portal NetCDF Data Server **BML** Currents **IOOS** Data Portal

data.cencoos.org

hfrnet-tds.ucsd.edu/thredds/catalog.html boon.ucdavis.edu/currents.html ioos.us

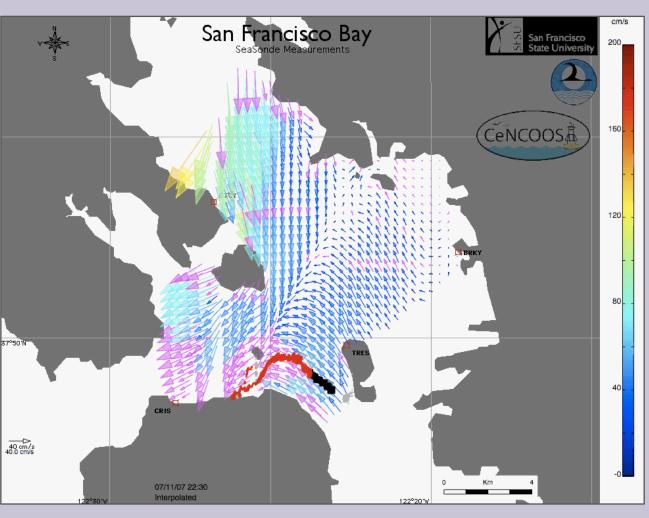


Sea surface currents are measured by the Bodega Marine Laboratory (BML) as a member of the Central and Northern California Ocean Observing System (CeNCOOS), a regional organization of participating institutions. CeNCOOS, together with SCCOOS and NANOOS provide data from the US West Coast to the national network. Federal funding and administration is provided by the Integrated Ocean Observing System (IOOS) office, part of the National Oceanic and Atmospheric Administration (NOAA).



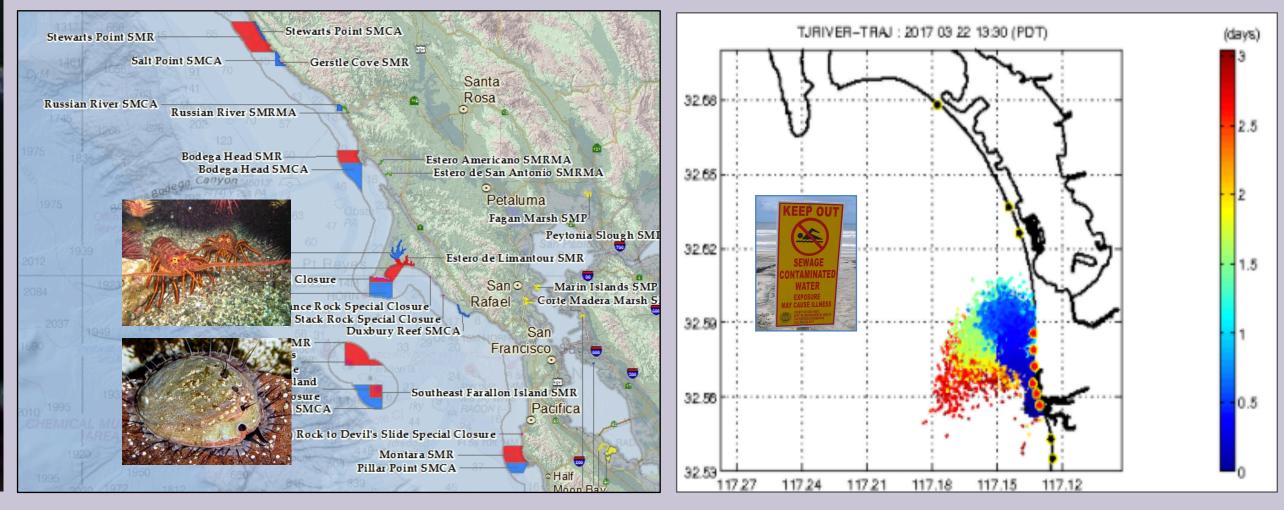
Why measure sea surface currents?

Use real-time measured current data for → Ocean conditions → Search and rescue → Environmental response → Beach safety warning



Predict the path of the Cosco Busan oil spill in San Francisco Bay

Understand long range effects of pollution on Marine Protected Areas



SF Bay November 7, 2007

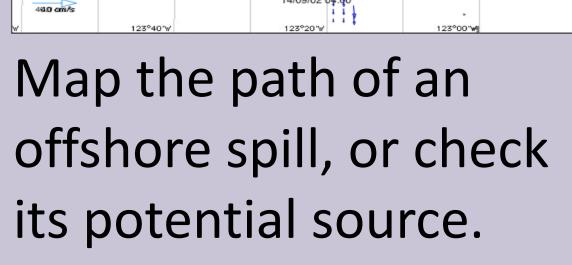


Establish long-term	
OCe	eanographic features
→ Rel	ate coastal currents to
oceanic conditions	
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Under	Development





Marcel Losekoot Deedee Shideler Doug George John Largier



Anticipate hazardous coastal conditions from pollution point sources

→ Analyze current patterns - Ectablich long torm

→ SF Bay Outflow Plume → Wave Forecasting → Sediment Plume Behavior → Marine Debris Convergence Zones

