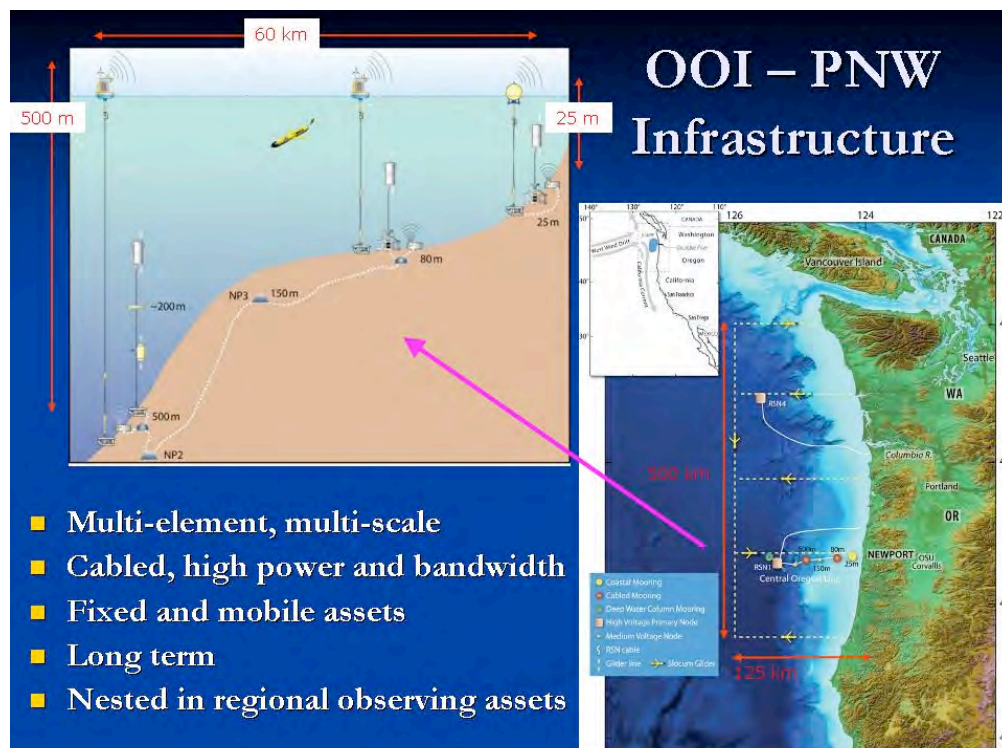


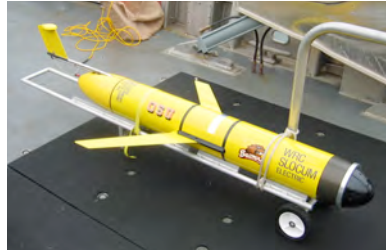
What is Ocean Observation?



"Building on the heritage of the ship-based expeditionary era of the last century, oceanography is commencing a new phase in which scientists, managers and the public seek continuous interaction with the ocean environment to better observe the earth-ocean-atmosphere system. Such approaches are crucial to resolving the full range of natural and human-driven changes in ocean processes that directly impact human society, our climate and the incredible range of natural phenomena found in the largest ecosystem of the planet."

The National Science Foundation's "Ocean Observatories Initiative" (OOI) is engaged in designing an interactive global-regional-coastal scale observatory. The design includes deep-ocean global nodes in the North Pacific, North Atlantic and the Southern Ocean. A regional-scale observatory with sites connected by a fiber-optic power and data communications cable is planned for off the coasts of Washington and Oregon. Intensive coastal observing sites include the Pacific Northwest (PNW) and Middle Atlantic Bight off the US east coast. The final design review for the OOI is being held in December 2008, installation is planned for 2010, and operation over about 30 years will commence in 2016.





Links:

This Document (with active web links):

<http://chemoc.coas.oregonstate.edu/~bobcollier/OceanObserving.pdf>

OSU-COAS: <http://www.coas.oregonstate.edu/>
<http://www.oceanandair.coas.oregonstate.edu/index.cfm?content.display&pageID=173>
<http://www.shipops.oregonstate.edu/ops/wecoma/>

OSU-HMSC: <http://hmsc.oregonstate.edu/>

HF-Radar Products (currents): <http://bragg.coas.oregonstate.edu>

NDBC Stonewall Banks Buoy: http://www.ndbc.noaa.gov/station_page.php?station=46050

OrCOOS: <http://agate.coas.oregonstate.edu/index.html>

Glider observations off Oregon : <http://gliderfs.coas.oregonstate.edu/gliderweb>

NANOOS: <http://www.nanoos.org/>

VENUS, Vancouver Island, BC <http://www.venus.uvic.ca/>
Zooplankton Acoustic Profiler:
http://www.venus.uvic.ca/data/data_prod_gallery/Saanich_Inlet/last_24/VIP_zap.php

LOBO – Satlantic/WET Labs <http://yaquina.satlantic.com/>

Ocean Observatories Initiative (OOI) (under construction by our UW cabled observatory partners): <http://www.ooi.washington.edu/>

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