

Opportunities and Synergies with OOI

Early (2000-2010) coordination and planning has diminished as we each focus on specific site and network issues and concentrated resources on our active research communities.

But core cross-boarder science and common observations abound:

- Seismicity → IRIS
- Marine Heat Waves → The Blob
- Marine Hypoxia Events → 2017 and 2021
- Regional Upwelling and Tracking Ocean Acidification
- Modelling Efforts → Live Ocean (UW) / Salish Sea Cast (UBC)
- Ships and ROVs of Opportunity → Rescue Hercules and Argus (2021)
- Data interoperability and linked data portals/services

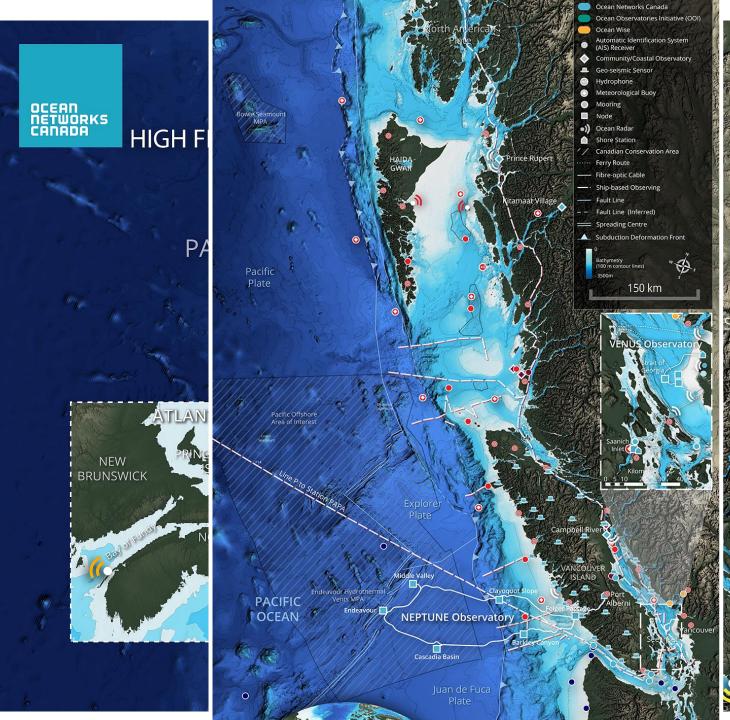


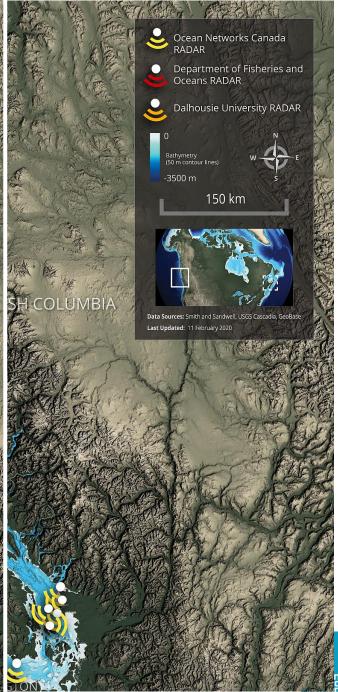
Recent ONC Initiatives and Systems

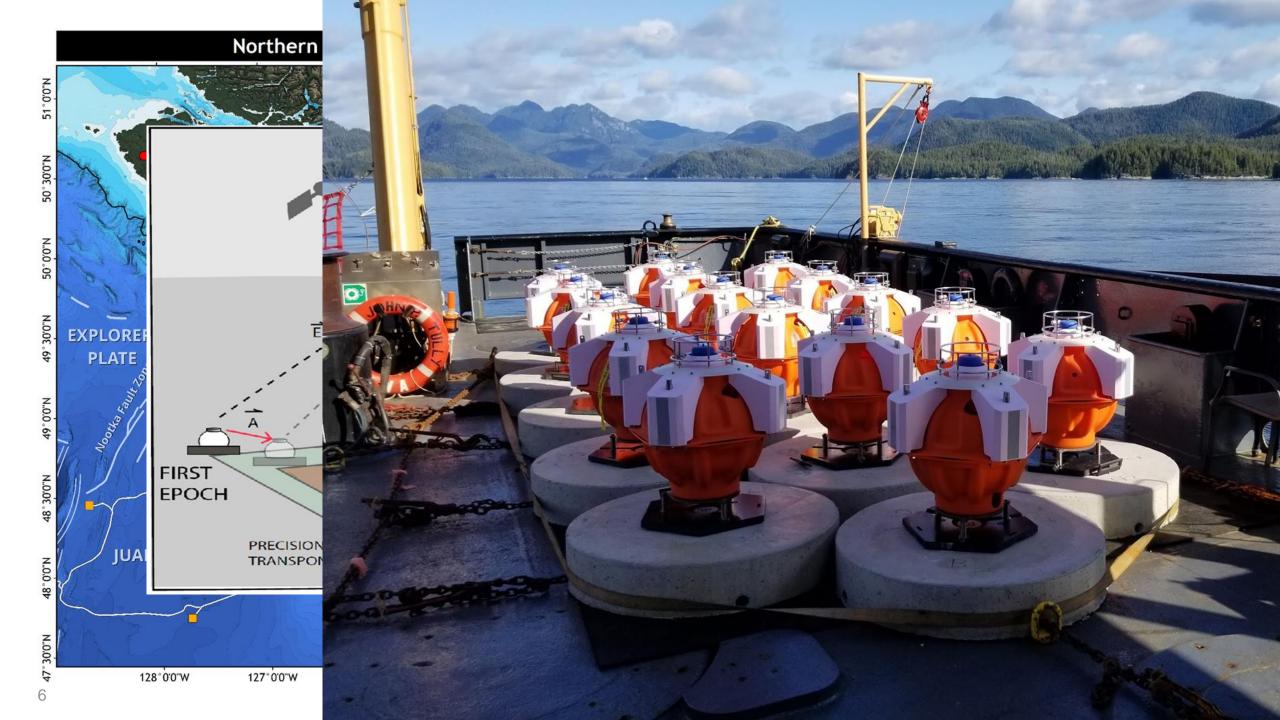




National
HF Radar
&
Pacific
CIOOS
&
BGC
Argo







LEGEND CO₂ pipeline Electrical cable Direct Air Capture **ONSHORE NEAR OFFSHORE OFFSHORE FAR OFFSHORE** (DAC) Electrolyzer CO₂ transport CO₂ Field injection Point capture DAC/ Fuels Ship (H₂/NH₃ fueled) (H₂/NH₃ fueled) (H₂/NH₃ fueled) (wind driven) 50m 1000m **CONTINENTAL SHELF CONTINENTAL SLOPE** 3000m **ABYSSAL PLAIN Basalt** SOLID CO₂ **CARBON**

Out to 2030:

Neutrino
Observatory
&
Climate
Mitigation: Solid
Carbon

Systems
Engineering
Assessment &
Technology
Research
Underway at
UVic/ONC

THANK YOU!

Ocean Networks Canada is funded by the Canada Foundation for Innovation, the Government of Canada, Natural Resources Canada, Fisheries & Oceans Canada, CANARIE, the Government of British Columbia, the University of Victoria, and many others.





● @ocean_networks

OceanNetworksCanada visit: oceannetworks.ca







