

Data are freely available  
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Oceans+2.0+API+Home](https://wiki.oceannetworks.ca/display/O2A/Oceans+2.0+API+Home)

# Bringing Data to the Surface

Ocean Networks Canada (ONC) operates world-leading ocean observatories with an overarching vision to enhance life on Earth by providing knowledge and leadership that deliver solutions for science, society, and industry. Monitoring the west and east coasts of Canada and the Arctic, ONC continuously gathers data in real-time for scientific research that helps communities, governments, and industry make informed decisions about the future.

ONC's observatories provide a virtual, real-time connection to a diverse range of marine habitats and environments in the northeast Pacific and Arctic, from river deltas to mid-ocean ridges. Data streams from over 5000 sensors, monitoring conditions from the coast to beneath the ocean floor.

Data allows the science community to fulfill broad multi- and inter-disciplinary research objectives that inform decisions about climate change, earthquake and tsunami detection, marine safety, life in the ocean, and much more.

This visualization shows the daily vertical migration of zooplankton. These macroorganisms migrate at nightfall from the ocean floor to the surface to feed. As day breaks, the zooplankton descend back to the the seafloor where they are protected from visual predators.