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**DISCOVER THE OCEAN.  
UNDERSTAND THE PLANET.**

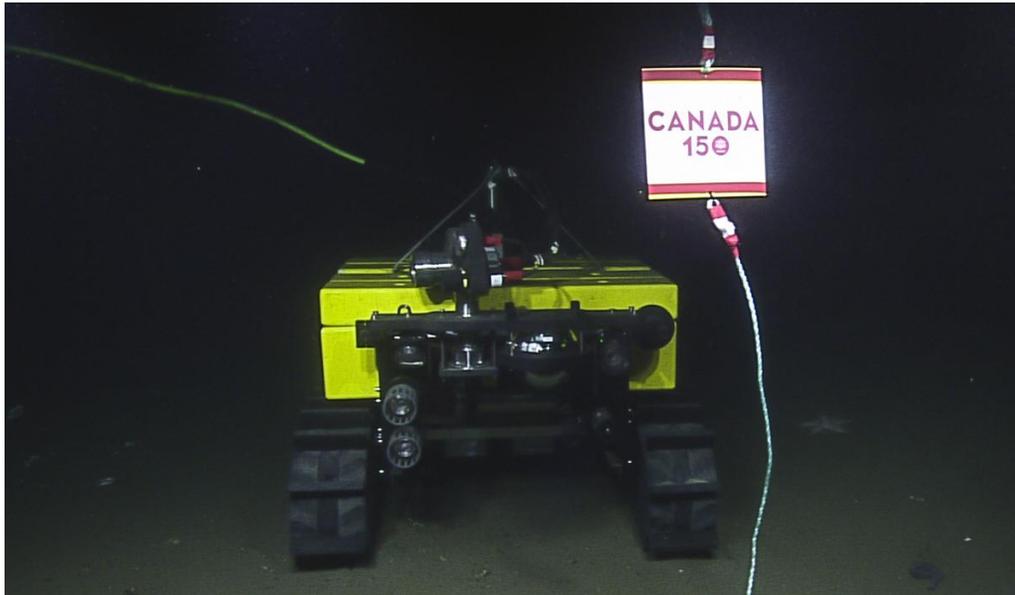
e-Newsletter | June 2017

**Earthquakes, pyrosomes, robots, and big seas**



Every year Ocean Networks Canada (ONC) sets out to sea in the northeast Pacific for a few weeks, equipped with remotely operated vehicles (ROV), ocean observing instruments and platforms, and a long list of to-do's. Working around the clock, the crack team—scientists, engineers, ROV pilots, navigators, communicators, and ship's crew—contend with unpredictable weather and the mighty abyss to maintain and upgrade ONC's deep sea ocean observing infrastructure. Wiring the Abyss is a critical undertaking to help us [#knowtheocean](#), and no-one even gets wet. [Read more](#)

**[The deepest way to celebrate #Canada150](#)**



As we celebrate Canada's 150 years of confederation, we must do so with full knowledge and pride that our country has been home to Indigenous peoples with advanced governing structures for tens of thousands of years. ONC celebrates the country's founding peoples year-round by supporting communities as they continue to inform themselves about their coasts and ocean waters.

To kick off Canada's sesquicentennial on the west coast, ONC channeled #Canada150 celebrations into the deep sea during its most recent expedition aboard exploration vessel *Nautilus*. [Read more](#)

[Sablefish study reveals citizen scientists are expert observers](#)



Monitoring the ocean in real-time requires platforms, instruments, cables and sensors in the deep sea. This ocean observing hardware requires high voltage power inputs from shore and delivers big data outputs, and good engineering practices keep the systems running smoothly.

Every year ONC goes to sea to maintain and upgrade the hardware deployed in the ocean. And this year, power and data backup systems on shore are being overhauled after a decade of operations. [Read more](#)

### Recent publications using ONC data

Automated classification of Pacific white-sided dolphin (*Lagenorhynchus obliquidens*) pulsed calls for diel pattern assessment. [Read abstract](#)

Seasonal monitoring of deep-sea megabenthos in Barkley Canyon cold seep by Internet operated vehicle (IOV). [Read article](#)

Biological and environmental rhythms in (dark) deep-sea hydrothermal ecosystems. [Read abstract](#)

Semantic representation of marine monitoring data. [Read thesis](#)

Amplifying environmental politics: Ocean noise. [Read article](#)

[Port of Vancouver](#) Enhancing Cetacean Habitat and Observation (ECHO) Program [2016 Annual Report](#)

### Conferences and workshops

ONC staff, user community members, and students are attending the following conferences:

- 17-20 September, [Eastern Pacific Ocean Conference](#), Stanford Sierra Camp, CA
- 18-21 September, [OCEANS 17 MTS/IEEE](#), Anchorage, AK

### Call for Abstracts: AGU Fall Meeting and Arctic Change

ONC will host booths at the [AGU Fall Meeting](#) (11-15 December, New Orleans) and [Arctic Change](#) (11-15 December, Quebec City). Calls for abstracts close on 2 August for AGU, and 8 September for Arctic Change.

### ONC Student Award Program

Need travel support to present your research results? ONC has [funds to support student and post-doc presentations](#) at national and international symposia related to research using ONC data.

### In the news

[Scientists say Pacific warm water 'blob' is gone - for now](#), CTV News

[World Oceans Day interview with Maia Hoeberechts, Roundhouse Radio - Kirk LaPointe](#)

[We talk "Citizen Scientists" with Maia Hoeberechts of Oceans Networks Canada, CFX 1070 - The Drive with Mark Brennae](#)

[Millions of tropical sea creatures invade waters off B.C. coast, CBC News British Columbia](#)

[Millions of glowing tropical sea creatures have started to appear in the Pacific Northwest, Business Insider](#)

[Millions of mysterious 'sea pickles' swamp US west coast, The Guardian](#)

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