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

e-Newsletter | April 2017

Expedition 2017: Wiring the Abyss is Now Underway



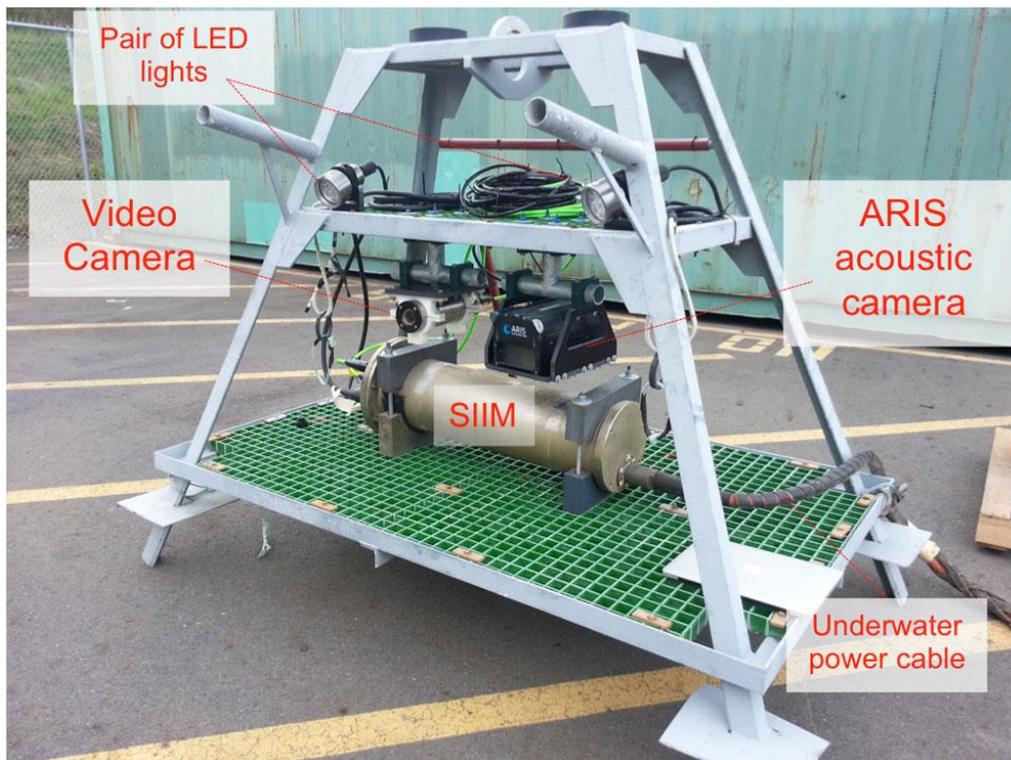
Join Ocean Networks Canada (ONC) on 28 April for [live dive footage](#) and more during our first Wiring the Abyss expedition of 2017! Explore the ocean depths in real time and experience the mystery, power, and beauty of the deep sea. Get to know the ocean. It's our future. [Watch live](#)

Cool tech, hard science, and daring innovation
Expedition 2017: Wiring the Abyss



Ocean exploration is as exciting and complex as traveling into outer space. It involves cool tech, hard science, daring innovation, and a large team of highly qualified personnel. And thanks to underwater cameras and telepresence technology, the public can participate in ONC's quest to know the ocean. [Read More](#)

Do fish talk? An innovative experiment to study fish using sound and imaging



Understanding whether fish communicate using sound is of growing interest and importance. Although many fish species are soniferous—they naturally produce sounds—we know very little about how and why this happens. Among the approximately 400 known marine fish species swimming in British Columbia waters, only 22 have been reported to be soniferous, although many more species are suspected to produce sound. [Read more](#)

[Tumbling to success: delta dynamics laboratory becomes scientific highlight](#)



How do you study a moving wall of water and sediment the size of a truck traveling at 30 kilometers per hour? A paper about a spectacular ONC dataset was recently selected as one of science journal *Sedimentology*'s **Top 10 articles of 2016**, as an example showcasing “good practice, innovative approaches, and noteworthy advances of our science.” Congratulations to marine geoscientist Gwyn Lintern and colleagues from Natural Resources Canada who published this paper on the tumbling delta dynamics laboratory platform. [Read more](#)

Recent publications using ONC data

Seafloor tilt induced by ocean tidal loading inferred from broadband seismometer data from the Cascadia subduction zone and Juan de Fuca Ridge. [Read more](#)

Astronomical and atmospheric impacts on deep-sea hydrothermal vent invertebrates. [Read more](#)

Expert, Crowd, Students or Algorithm: who holds the key to deep-sea imagery ‘big data’ processing? [Read more](#)

Coastal communities and ocean health video



Monitoring the ocean is integral to our understanding of climate change. ONC gathers scientific data from all three coasts, allowing communities and leaders to make informed decisions that improve ocean health and marine safety. Together we are building a smarter ocean. [Watch now](#)

Listen to [Inner Coast Biggs Killer Whales at Discovery Passage](#), ONC's first recording of marine mammals detected on the Ocean Sonics iListen high frequency hydrophone deployed at our Discovery Passage, Campbell River underwater network.

[ONC launches call for board member nominations](#)



ONC is currently seeking three Directors with skills in one or more of the following areas:

- law;
- not-for-profit administration (legal, human resources, finance); and

- marine or ocean industry, including marine situational awareness.

Interested individuals may apply for election as a Director by submitting their resume to nominations@oceannetworks.ca by Wednesday, 31 May 2017. [Learn more](#)

Conferences and workshops

ONC staff, users, and students are presenting at the following conferences:

- 15-19 May, [WAVES 2017](#), University of Minnesota, Twin Cities

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

[Listen to how loud the sea is](#), Hakai Magazine

[Observatory Upgrade for Ocean Networks Canada](#), Marine Technology News

[VIDEO: Live data under the sea](#), Northern View Prince Rupert

[Investing in Canada's Future: Strengthening the Foundations of Canadian Research](#), Canada's Fundamental Science Review 2017

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P.O. Box 1700 STN CSC, Victoria, BC, Canada, V8W 2Y2 | 1.250.472.5400

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