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

e-Newsletter | April 2016

**Expedition 2016 is now underway!**

**Expedition 2016: Wiring the Abyss**

Leg One: 10-30 May & Leg Two: 12-26 June



Join the Expedition! [Live Dive](#) to the ocean depths and engage with scientists and explorers in real-time. It's your turn to experience the mystery, power, and beauty of the deep sea. [Read more.](#)

[WATCH Launch Video](#)

Follow us on [Twitter](#) #ONCabyss & [Facebook](#)

## Science

### Observing seasonal marine changes with BC Ferries

Every year, March brings two kinds of spring blooms to the temperate British Columbia coast: one involves an annual flower count, which is the envy of the country; the other turns the Salish Sea green with an explosion of marine productivity. BC Ferries plays an important role on both counts, bringing visitors across the Strait of Georgia to enjoy the Island's blossoms while simultaneously hosting Ocean Networks Canada's (ONC) instruments that collect marine data in the Strait of Georgia. [Read more.](#)



### Sea Ice Research and its benefits

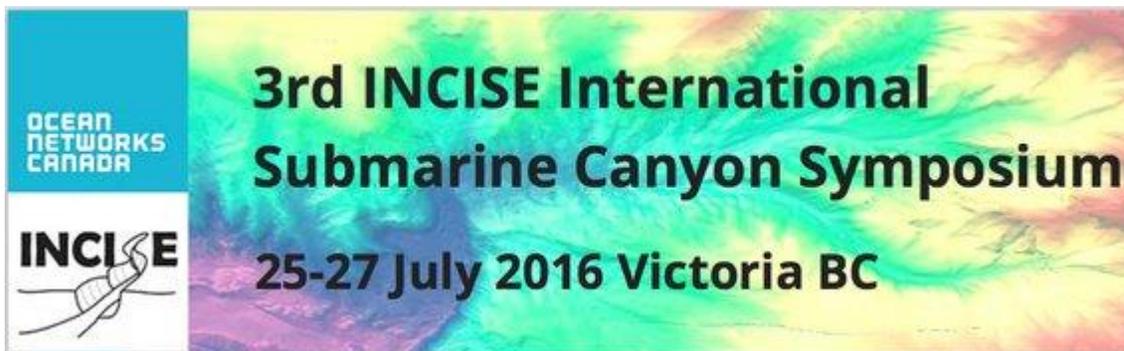
Imagine an area of the size of Ontario – gone. That's roughly the amount of Arctic sea-ice that has melted in the last 30 years: over 1 million square km. And that's just the tip of the iceberg: some climate change forecasts are predicting an ice-free summer Arctic Ocean by as early as 2030. Understanding sea-ice change is critical to life in the high north, particularly when it comes to getting around.

Local transportation and commercial shipping are defined by the Arctic's shifting seasonal extremes, which is becoming harder to predict. Not only is the thickness and extent of the frozen ocean shrinking, but the dates of freeze-up, break-up and the duration of solid ice and clear water are shifting dramatically. This warming cocktail of unpredictable conditions is increasing the cost and risk of local transportation, commercial shipping and marine operations, making safe-passage precarious. [Read more.](#)



[New Folger Camera online](#)      [WATCH](#) SeaTube clip of cormorant diving

[3rd INCISE International Submarine Canyon Symposium](#) | 25 - 27 July |  
**Victoria, British Columbia** NEW: The Deepsea Biology Society is pleased to announce  
two travel awards for attendance to INCISE. [Find out more.](#)

A banner for the 3rd INCISE International Submarine Canyon Symposium. The background is a colorful, abstract map of the ocean floor with shades of blue, green, yellow, and red. On the left side, there is a blue square with the text "OCEAN NETWORKS CANADA" and a white square with the text "INCISE" and a stylized drawing of a submarine. The main text on the right reads "3rd INCISE International Submarine Canyon Symposium" and "25-27 July 2016 Victoria BC".

**OCEAN NETWORKS CANADA**

**INCISE**

**3rd INCISE International  
Submarine Canyon Symposium**

**25-27 July 2016 Victoria BC**

Join us in beautiful Victoria, British Columbia for this international conference!  
Important dates to remember:  
**Early bird discount fees apply until 25 May 2016.**  
**Registration closes on 25 June 2016.**

**Innovation**

## A Canadian First: NOAA brings tsunami Digital Elevation Model training to Victoria, BC

When Kelly Carignan, University of Colorado scientist, visited Victoria, British Columbia for the first time in April 2016, she was surprised that no tsunami evacuation routes were posted in this coastal city. “In northern California you see a lot of tsunami hazard zone signs,” says Kelly. Fortunately for Victoria, Kelly was in town to lead a ground-breaking workshop that will contribute to improved emergency preparedness efforts in Canada’s coastal communities. [Read more.](#)



## Learning

### Ocean Networks new Arctic Youth Science Ambassador

Ever since she was little, Mia Otokiak has wanted to be a marine biologist. As a Grade 10 student in Cambridge Bay, she was really excited when Ocean Networks Canada (ONC) came to her hometown in 2012 to install its first community observatory. And now that she’s ONC’s Arctic Youth Science Ambassador, Mia is realizing her dream. “When I heard

that 95% of the ocean is still unknown, I thought it would be really cool to explore it,” says Mia. [Read more.](#)



### Kitamaat Village Community Observatory

WATCH SeaTube highlights of a [seal visit](#) & [octopus dance](#) from the subsea camera on the Kitamaat Village Community Observatory.

## Announcements & Awards

### **NEW ONC Ocean Observatory Council Members:**

**Dr. Roy Hyndman**, Emeritus Scientist, Pacific Geoscience Centre, Geological Survey of Canada; Adjunct Professor, School of Earth and Ocean Sciences, University of Victoria. Interests: Marine and margin geophysics, earthquakes, gas hydrates.

**Dr. Paul Meyers**, Professor, Earth and Atmospheric Sciences, University of Alberta. Interests: Numerical modelling, Arctic/subarctic dynamics and exchange.

**Congratulations to Verena Tunnicliffe**, marine biologist and former VENUS Observatory director on her [Craigdarroch Research Award](#)



## MEOPAR announces new Executive Director, Stefan Leslie



### **Jacobs University posting for Assistant Professor**

Jacobs University Bremen is a private, state-accredited, English-language research university in Germany. For more information, see: [Assistant Professorship in Marine Systems with focus on marine robotics.](#)

## **Conferences & Talks**

19 May 7:00 pm | Sonic Sea Documentary Film | Vancouver Aquarium

24 May 7:00 pm | The Blob: Sci-fi or Sci-fact? | Vancouver Aquarium  
Featuring: ONC's Richard Dewey

29 May-2 June | CMOS Congress & Joint CGU Annual General Meeting | Fredericton, NB

## In The News

Underwater adventure | Shaw TV South Vancouver Island

ONC to embark on its most challenging expedition | CHEK News

British Columbia students to become Masters of Disaster | Province of BC Flickr

ONC's 10-year anniversary | Shaw Video

Observatory launched in Prince Rupert | The Northern View

## Connect with us

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