



# OCEAN CANADA

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## Newsletter • Spring 2016



Greetings and welcome to the Spring 2016 edition of the *OceanCanada* Newsletter! In this edition you'll find updates from across the partnership, an interview with advisory board chair Rosemary Ommer, profiles of OCP investigators, students, and post-doctoral fellows, and an interactive map of HQP developed by Evan Andrews (University of Waterloo).

Recently, I've been connecting with co-investigators and collaborators across the country, which has allowed me to visit partner sites and explore opportunities for project-wide integration and impact. Our upcoming conference in May at UBC will further our holistic and collaborative approach to research that benefits Canada and its coastal communities. I look forward to further engagement, within and beyond our partnership, and welcome your feedback.

Rashid Sumaila, *OceanCanada* Scientific Director

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## Highlights from across the partnership

**Welcome** [Dr. Simon Courtenay joins the Atlantic working group](#)

Co-Investigator with the Atlantic Working Group, and Scientific Director of the Canadian Water Network at the School of Environment, Resources and Sustainability, University of Waterloo

**Editorial** [Sustainability of our fisheries requires bold political leadership](#)

Co-authored by David VanderZwaag, Co-lead Law & Policy working group. Policy Options Magazine

**Workshop** [Dr. Nancy Doubleday and Students at McMaster Water Forum](#)

Sarah Newell (PhD. candidate) and Kathryn Pringle (B.A. candidate) present research at conference with Dr. Nancy Doubleday, Co-Lead Arctic working group

**Workshop** [Projecting the Arctic Marine Ecosystem Response to Climate Change on a Regional Scale: Developing a Canadian Arctic Ecosystem Model](#)

Presented by Nadja Steiner co-investigator with the National Data and Integrated Scenarios working group, at the DFO-ACCASP meeting on March 3, 2016

**Workshop** [DFO-Gulf Region synthesis workshop on Northumberland Strait](#)

Attended by Atlantic working group members Dr. Simon Courtenay and Nicole Stamnes. February 2016.

**Research** [Global Fisheries Subsidies: An Updated Estimate](#)

Co-authored by Rashid Sumaila, *OceanCanada* Research Director. Marine Policy (in print).

**Research** [Climate Change could cut First Nation's Fisheries in Half](#)

Co-authored by Lauren V. Weatherdon and William Cheung, co-investigators with the *OceanCanada* Pacific working group and the Nereus Program at UBC

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## **A Conversation with Rosemary Ommer**

**Chair of OceanCanada's Advisory Board**

The first in our knowledge mobilization series with *OceanCanada* researchers and advisors talking about the partnership and the future of Canada's oceans.



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## Researcher profile: Dr. William Cheung, UBC



Dr. William Cheung is co-lead of the *OceanCanada* National Data and Integrated Scenario working group, Associate Professor and Director (Science) of the Nippon Foundation-UBC [Nereus Program](#) at the Institute for the Oceans and Fisheries.

His main research areas include understanding the responses and vulnerabilities of marine ecosystems and fisheries to global change, and examining trade-offs in managing and conserving living marine resources. His works cut across multiple disciplines, from oceanography to ecology, economics and social sciences, and range from local to global scales.

[Read more →](#)

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## Welcome to new graduate students and researchers!

A number of new students and researchers have joined the *OceanCanada* partnership in the last 4 months. Over the next year we endeavour to profile

this outstanding community of High Quality Personnel (HQP) and the research contributions they are making to our partnership. This month, we welcome 4 new additions to the Atlantic working group!



**Nicole Stamnes**

Masters student in the School of Environment, Resources and Sustainability at the University of Waterloo. [Read more →](#)



**Graham Epstein**

Postdoctoral researcher with the Environmental Change and Governance Group at the University of Waterloo. [Read more →](#)



**Evan Andrews**

PhD student at the School of Environment, Resources and Sustainability at the University of Waterloo. [Read more →](#)



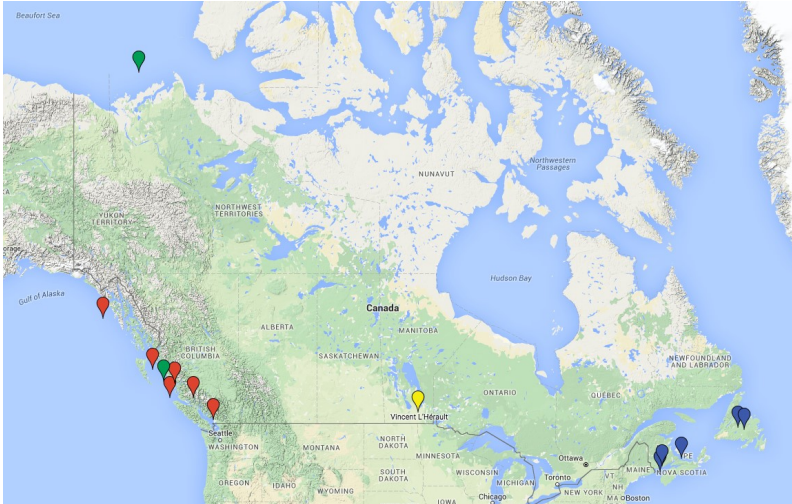
**Irene Brueckner-Irwin**

Masters student in the School of Environment, Resources and Sustainability at the University of Waterloo. [Read more →](#)

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## Mapping students and post-doctoral researchers

The Atlantic Working Group, led by Dr. Derek Armitage and Evan Andrews, is creating an interactive map of students and post-doctoral researchers across the *OceanCanada* partnership. The map provides a public platform that students and HQP can use to connect with each other for discussion and collaboration. [Read more →](#)



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## Ocean news from around the world

### [Oceans North Canada calls for Inuit input on Arctic Shipping Corridors](#)

The 37-page report outlines several key recommendations, including the need for a new management structure to govern the areas in the corridors initiative. The organization (a program of The Pew Charitable Trusts) wants to see the creation of a commission co-chaired by the Coast Guard and Inuit beneficiaries.

### [Conservation in the Age of Climate Change: Why Scientists Are Banking on Drones for Tracking Coastal Climate Research](#)

"UAVs are really at the forefront of improving climate models" by helping scientists better understand the energy transfers between the surface and atmosphere, DeBoer says... "There is inherent uncertainty in doing this sort of [climate modeling] work... and that feeds into how policymakers and industry can use these projections in a meaningful way" to mitigate the impacts of climate change.

### [Nasa examine's El Nino's impact on ocean's food source](#)

El Nino years can have a big impact on phytoplankton in the ocean, and NASA scientists are studying the relationship between the two...These impacts, which researchers can visualize with satellite data, can

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ripple up the food chain to fisheries and the livelihoods of fishermen.

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