

#FACTOvan17



**Biodiversity Future**

# **Impacts of Climate Change on the Ocean**

Focus on Deep Ocean and Biodiversity

## **Vancouver**

**November 17, 2017  
Beaty Biodiversity Museum, UBC**

# Presentation

## FACT-O Initiative

FACT-O is a series of events organized for scientists and members of the general public and held in emblematic places of research and scientific education. These workshops bring together scientists and representatives of NGOs and institutions responsible for protecting our oceans in order to disseminate knowledge, share experiences, and foster Franco-Canadian partnerships.

## Continuing the Momentum: FACTS and COP21

The FACTS (French-Ameri-Can Climate Talks) program was launched in late 2014 by the French embassies in the United States and Canada to mobilize civil society for COP21. In order to maintain this momentum post-COP21, the FACTS program continued in 2016 with a particular focus on the oceans, which are a priority issue for both France and Canada. Including the oceans in the Paris Agreement demonstrates that decision-makers recognize that the oceans are an integral part of maintaining climate balance. This issue had long been absent in previous climate negotiations, but it was specifically addressed for the first time in the preamble to the Paris Agreement ("...noting the importance of ensuring the integrity of all ecosystems, including oceans ...").

## Protecting the Oceans

The oceans are currently a crucial subject of scientific study, involving a broad spectrum of scientific disciplines, such as marine geology, physical and chemical oceanography, marine biology, and the social sciences. Our knowledge about the oceans, however, is not commensurate with their vital importance: the oceans, which cover 71% of the earth's surface, play a decisive role in the history of life and they are a reservoir of resources, providing essential ecosystem functions necessary for life to survive on Earth. In particular, the oceans play a major role in the functioning of the climate system and in return they suffer the effects of climate change: rising sea levels and acidification, among others. The situation is further complicated by damage caused by human activities, such as overfishing and the pollution that results from oil extraction. It is in light of these negative situations that further international action is required with regard to the oceans.

In addition to ocean and climate issues, marine resources and the protection of marine ecosystems are key issues within the national research strategies of France and Canada. Exploratory and research resources must be shared and public policies must be properly coordinated in order to further our understanding of the oceans with a view to proposing lasting solutions that will protect an area that houses 80% of the world's biodiversity.

## FACT-O Events in North America

July 1, 2016	Miami	Coral Reefs, Ocean Biodiversity, and Climate Change
September 16, 2016	Washington	Ocean Preservation and Scientific Cooperation
September 20, 2016	New York	Equity and Fisheries in a Global Context (UN)
January 18–19, 2017	Mount Vernon	Marine Protected Areas & Maritime Heritage
July 17, 2017	Washington	The Odyssey
<b>November 17, 2017</b>	<b>Vancouver</b>	<b>Deep Ocean &amp; Biodiversity</b>
TBC	Galveston	Sargassum

# Organizers

## Embassy of France in Canada – Vancouver



Under the leadership of the Embassy of France in Canada, the Office for Science and Technology promotes and supports the development and recognition of French research and technological innovation worldwide by facilitating collaboration between local institutions and French organizations. The Office also has a major interest in developing student and researcher mobility.

The Office consists of professors, researchers, and engineers and is led by the Advisor for Science and Technology under the direct authority of the Ambassador. This network-based Office stretches across Canada, with the exception of the province of Quebec. Its headquarters are located in Ottawa, Ontario.

This network consists of two local services in the Consulates General of Vancouver and Toronto and a correspondent in the Maritimes at the Consulate General in Moncton. This system allows the Office to be physically present in areas with great potential for research and technological innovation.

The Office for Science and Higher Education at the Consulate General of France in Vancouver carries out its missions over its widespread area of consular jurisdiction: British Columbia, Alberta, Saskatchewan, Yukon, and the Northern Territories.

## Beaty Biodiversity Museum



The Beaty Biodiversity Museum strives to inspire an understanding of biodiversity, its origins, and its importance to humans through collections-based research, education, and outreach. As Vancouver's natural history museum, the museum works to promote a greater sense of collective responsibility for the biodiversity of British Columbia, Canada, and the world. The unique combination of world-class research, paired with beautiful, compelling exhibits, aims to make the research conducted at UBC

more accessible to the public.

The Beaty Biodiversity Museum has a spectacular biological collection, with 20,000 square feet of exhibits showcasing more than 500 permanent exhibits. Among their 2,000,000 treasured specimens are a 26-metre-long blue whale skeleton suspended in the atrium, the third-largest fish collection in Canada, and myriad fossils, shells, insects, fungi, mammals, birds, reptiles, amphibians, and plants from British Columbia and around the world.

## Alliance française de Vancouver



The Alliance Française is the largest cultural network in the world, with more than 800 centers in 137 countries and 550,000 students enrolled every year. In Canada, our network includes nine Alliance française locations (Vancouver, Victoria, Ottawa, Toronto, Moncton, Calgary, Edmonton, Winnipeg, and Halifax), more than 160 expert teachers, and 10,000 students per year.

The Alliance française of Vancouver has been actively promoting interest in the French language and culture since 1904. We are a non-profit cultural and educational association managed by a board of directors elected by its members. It is our mission to foster appreciation for French culture through cultural events and to offer French language courses to all.

## Institut Français



The Institut Français is responsible for implementing France's cultural action abroad. Under the supervision of the Ministry of Foreign Affairs, its role is to act as the conduit for a new, more ambitious "diplomacy of influence", within the framework of French governmental policies and priorities. It will help promote French influence abroad through greater dialogue with foreign cultures, while responding to the needs of France via a policy of listening, partnership, and openness to other cultures. The Institut Français replaces the Culturesfrance association, with the legal status of a "Public Industrial and Commercial Undertaking".

# FACT-O Vancouver

On November 17<sup>th</sup>, 2017, the French Ameri-Can Climate Talks - Oceans (FACT-O) will be traveling to Vancouver to hold a conference highlighting **the impact of climate change on biodiversity in deep oceans** from the **perspectives of France and Canada**. Held at UBC's Beaty Biodiversity Museum in Vancouver, the conference will feature a variety of panelists from France and Canada to discuss the issue in detail.

**FACT-O Vancouver will be held on the closing day of the COP23 conference, which will take place in Bonn, Germany under Fijian Presidency.**

## Program

3:30 PM	Registration: youth seminar/conférence jeune public	Upper Atrium
4:00 PM	Youth seminar/conférence jeune public (in French)	Auditorium
5:00 PM	<b>Registration: "FACT-O Biodiversity Future"</b>	<b>Lower Atrium</b>
5:00 PM	Press Conference (by invitation only)	Niche Café
5:30 PM	<b>Welcoming remarks: "FACT-O / Biodiversity Future"</b>	<b>Auditorium</b>
5:45 PM	<b>Roundtable: "FACT-O / Biodiversity Future"</b>	<b>Auditorium</b>
6:30 PM	<b>Discussion with the public</b>	<b>Auditorium</b>
7:00 PM	<b>Closing remarks: "FACT-O / Biodiversity Future"</b>	<b>Auditorium</b>
7:15 PM	<b>Cocktail reception</b>	<b>Lower Atrium</b>
8:30 PM	<b>Event end</b>	

## Panelists



 **William Cheung**

Dr. William Cheung is an Associate Professor at the Institute for the Oceans and Fisheries, UBC and the Director (Science) of the Nippon Foundation-UBC Nereus Program. His main research areas include understanding the responses and vulnerabilities of marine ecosystems and fisheries to global change, and assessing solution options to reduce climate change impacts. Cheung's research is recognized internationally as an important part of the foundation for understanding future impacts of climate change on global marine biodiversity and fisheries. His work cuts across multiple disciplines, from oceanography to ecology, economics and social sciences, and ranges from local to global scales. He has taken leading roles in international assessment of climate change impacts on marine systems, including the Intergovernmental Panel on Climate Change Fifth Assessment Report and the Special Report for the Oceans and Cryosphere in a Changing Climate."



 **Kim Juniper**

Kim Juniper has been a Professor in the School of Earth and Ocean Sciences and the Department of Biology at the University of Victoria, and holder of the BC Leadership Chair in Ocean Ecosystems and Global Change since 2006. His interdisciplinary publications on deep-sea vents encompass the fields of microbial ecology, biomineralization and benthic ecology.



 **Laura Lallier**

As a maritime lawyer, Laura Lallier began her career working with France's Préfecture maritime Atlantique and Maritime Affairs on such issues as navigation regulation and rescue exercises. In 2013, Laura Lallier was hired by eCOAST in Belgium, which is an environmental consulting firm and a private research institute. Since then, she has worked on numerous public- and private-sector projects as a consultant in law and public policy.



 **Daniel Pauly**

Daniel Pauly is a French-born marine biologist who is well-known for his work in studying human impact on global fisheries. He is a professor and the project leader of the Sea Around Us Project at the UBC Fisheries Centre at the University of British Columbia. He also served as Director of the UBC Fisheries Centre from November 2003 to October 2008.



 **Loreley Picourt**

Loreley Picourt is the Head of Initiatives at the Ocean & Climate Initiatives Alliance (OCIA), which is supported by the Ocean and Climate Platform, UNESCO-IOC, and France. OCIA was designed to consolidate and coordinate the concrete actions initiated by individual partnerships to address the interlinkages between climate change and ocean protection. OCIA aims at promoting 'a united ocean action for a global climate agenda' and is fully integrated in the Global Climate Action Agenda.

## Moderator



 **Geoff Dembicki**

Geoff Dembicki is a freelance climate writer based in Vancouver. He has contributed to the New York Times, Foreign Policy, Vice, the Guardian, the Toronto Star and The Tyee, where he was the lead sustainability reporter for several years. Geoff is the author of *Are We Screwed? How a New Generation is Fighting to Survive Climate Change*, which won the 2017 Dave Greber Freelance Writers Award. He has received media fellowships from the Asia Pacific Foundation of Canada and the New York-based Solutions Journalism Network.

## Welcoming Remarks



 **Mr. Philippe Sutter**  
Consul General of France in Vancouver

## Closing Remarks



 **Dr. Rick Taylor**  
Director of the Beaty Museum

# Additional Events

## Exhibition

Through its highly illustrated panels, the exhibition invites the public to learn about the definition of biodiversity, what makes biodiversity so important, and the underlying causes of its degradation. It focuses on the essential roles that biodiversity plays in human wellbeing and the maintenance of life on Earth. In light of the alarming rate of degradation of biological diversity, the exhibition aims to raise public awareness about the vital urgency of conserving this diversity.



**LA BIODIVERSITÉ**  
C'EST LA VIE • C'EST NOTRE VIE  
BIODIVERSITY IS LIFE, BIODIVERSITY IS OUR LIFE

Une exposition produite par l'UNESCO avec le partenariat de l'INRA, CDB, FEVA, dans le cadre de l'Année internationale de la Biodiversité - 2010 - organisée par Centre-Sciences avec le soutien du Fonds de développement des Pays-Bas, de la NASA, du ministère français des Affaires étrangères et européennes, de CultureFrance et d'Airbus. Conception graphique Vincent Burille, Orléans - Impression Prevoist Dfmet, Saint-Jean-de-la-Ruelle - Traduction MAEE - Relecture Gilles Sapin - Président du MNHN Avec le concours des organismes scientifiques français et internationaux : CNRS, Fundación Biodiversidad, INRA, IRD, INEA, MNHN, NASA, IUCN et OUR PLACE, la collection du Patrimoine mondial.

Exhibition organized by UNESCO in partnership with INRA, CDB and GEF, within the framework of the International Year of Biodiversity 2010. Produced by Centre-Sciences - Orléans with the support of Netherlands Development Organisation, NASA, French Ministry of Foreign and European Affairs, CultureFrance and Airbus - Graphic design by Vincent Burille, Orléans - Printing by Prevoist Dfmet, Saint-Jean-de-la-Ruelle - Review Salvatore Arico, UNESCO Natural Sciences Sector - With contributions from French and international organizations: CNRS, Fundación Biodiversidad, INRA, IRD, INEA, MNHN, NASA, IUCN and OUR PLACE, the World Heritage collection.



The exhibition will be open to the public at the Beaty Biodiversity Museum until February 2018.

## Youth Seminar (in French)

In partnership with the Alliance française of Vancouver, a French-language youth program will take place at the Beaty Biodiversity Museum on November 17 between 4 and 5 PM in order to raise awareness of these issues among members of this younger generation.

Before the discussion, children (10 years old and older) will have the opportunity to talk about marine resources and rising sea levels.

Young attendees <sup>1</sup> will have **free access to the Beaty Biodiversity Museum on the afternoon of the event.**



 **Daniel Pauly**

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<sup>1</sup> A complementary ticket will be offered to ONE accompanying adult per child.



# Additional information

## Contacts

### Science and Higher Education Attaché

Cultural & Scientific Service, Embassy of France in Canada - Vancouver

Dr. Fabien Agenes: [Fabien.agenes@diplomatie.gouv.fr](mailto:Fabien.agenes@diplomatie.gouv.fr)

### Press Attachée

Consulate General of France in Vancouver

Mrs. Gratianne Daum: [gratianne.daum@diplomatie.gouv.fr](mailto:gratianne.daum@diplomatie.gouv.fr)

## Website & Social Media

Website: [www.francecanadaculture.org](http://www.francecanadaculture.org)

Facebook: <https://www.facebook.com/FranceCanadaCulture>

Twitter: @FCCulture\_

Registration: <https://www.eventbrite.ca/e/billets-deep-ocean-biodiversity-public-conference-38824593404>

## Access

Beaty Biodiversity Museum

2212 Main Mall,

Vancouver, BC

V6T 1Z4