



BEATY  
BIODIVERSITY  
MUSEUM

FACTS  
French Ameri-Can Climate Talks

May 13th, 2016

6:00PM - 8:00PM

Beaty Museum, Vancouver

JOIN THE TALKS after the Cop21 & before the International Day of Biodiversity #Cop21



# BIODIVERSITY & INNOVATION

IN THE CONTEXT OF  
CLIMATE CHANGE

LIVE ON TWITTER #FACTSvan16

## PROGRAM

THE CO-ORGANIZERS :



Thank you to our SPONSORS and PARTNERS :



# FACTS :

## A series of conferences

In the lead-up to the United Nations Climate Change Conference hosted by France last December (COP 21 - Paris Climate 2015), the Embassies of France in both Canada and the United States have been organizing the FACTS (French Ameri-Can Climate Talks) conference series since 2014 (<http://facts.france-science.org>).

More than 80 renowned panelists have been involved, and 8,000 people were impacted across the continents. In Western Canada, FACTS "Biodiversity and Innovation" will be the fourth one held in the region. Find out more about the previous editions: <http://www.consulfrance-vancouver.org/-French-Ameri-Can-Climate-Talks-FACTS->

## FACTS Vancouver 2016: Biodiversity and Innovation May 13th, 2016 - Vancouver

With major steps taken towards the preservation of natural habitats and species in 2016, FACTS Vancouver (<http://www.consulfrance-vancouver.org/FACTS-Vancouver-biodiversity-and-innovation>) aims at focusing on the linkage between biodiversity and innovation. In partnership with the Beaty Biodiversity Museum, the Consulate General of France in Vancouver is co-organizing this free public discussion to be held in the auditorium of the museum on May 13th 2016, just a few days prior to the International Day for Biological Diversity.

A mixed panel composed of some renowned scientists, entrepreneurs and researchers from both France and Canada will be debating on the latest meth-

ods to protect biodiversity but also on the recent significant innovations that remediate anthropogenic alterations.

The conference will be webcasted in live and recorded. Please visit <http://www.consulfrance-vancouver.org/FACTS-Vancouver-biodiversity-and-innovation> for the video.

Join the conference on Twitter as well: #FACTSvan16  
(@Vancouver\_CB)

*This event is a carbon neutral event thanks to the support of Brinkman Climate who will offset the carbon emissions related to the conference including French speakers' flights and reception.*

# AGENDA :

## Conference FACTS (French American Climate Talks) Biodiversity and Innovation

### Opening session 10min

Moderator: Dr Mathieu Leporini

- Dr. Wayne Maddison, Director of the Spencer Entomological Collection, Beaty Biodiversity Museum
- Dr Mathieu Leporini, Science and Technology Attache of the Consulate of France in Vancouver
- Dr. Jean-Christophe Auffray, Counsellor for Science and Technology of the Embassy of France to Canada: France and Biodiversity
- Jean-Christophe Fleury, Consul general of France in Vancouver: The challenges of the implementation of the Paris agreement
- Joseph Pallant, Manager of Brinkman Climate: Offset projects

### Keynote

Ross BEATY - Global biodiversity challenges in the context of climate change

### Panel discussion 1h30

Moderator: Dominique ARNOLDI

- Prof. Daniel PAULY: Human impacts on marine biodiversity – lessons and future in the context on climate change
- Prof. Jedediah BRODIE: Integrated projects to protect terrestrial biodiversity
- Dr. Raphaël LAMI: Examples of research and innovation in the biodiversity sector
- Alexandre CLUCHIER: Land mitigation applied to land and natural environment development in the context of climate change
- Colleen GIROUX-SCHMIDT: Biodiversity conservation applied to renewable energy project development

Questions from Dominique ARNOLDI to the panelists

Q/A from audience and from social media #FACTSvan16

Closing remarks by Dominique ARNOLDI

### Reception

8.00 pm – 9.00 pm under the whale in the hall

## ROSS BEATY :

*Keynote*



Ross Beaty is a geologist and resource entrepreneur with over 45 years of experience in the international minerals and renewable energy industries.

A graduate of the University of BC in geology and law and Imperial College in geology, Mr Beaty is an internationally recognized leader in both non-renewable and renewable resource development. He has founded and divested a number of companies and remains founder and Chairman of Pan American Silver Corp., one of the world's leading silver producers, and founder and Chairman of Alterra Power Corp., a mid-sized renewable energy company with solar, wind, hydro, and geothermal power operations in BC, Ontario, Nevada, and Iceland.

Mr. Beaty is also a well-known environmental philanthropist, primarily through The Sitka Foundation. He serves on the Advisory Board of the Nature Trust of BC, is a Director of The Pacific Salmon Foundation, a Director of Panthera, and is patron of the Beaty Biodiversity Center at the University of BC.

## DOMINIQUE ARNOLDI :

*Moderator*



Dominique Arnoldi graduated from UQAM with a Bachelor of Science in ecology and a Masters of Science in entomology from McGill. After working in a lab, Dominique decided to become a journalist and covers national news and current affairs journalist for CBC/Radio-Canada.

## DANIEL PAULY :



Daniel Pauly is a Frenchman who completed his high school and university studies in Germany. After many years at the International Center for Living Aquatic Resources Management (ICLARM), in Manila, Philippines, Dr. Daniel Pauly became in 1994 a Professor at the Fisheries Centre of the University of British Columbia (in Vancouver, Canada), of which he was the Director from 2003 to 2008.

Since 1999, he is also Principal Investigator of the Sea Around Us, devoted to studying, documenting and mitigating the impact of industrial fishing on the world's marine ecosystems.

The concepts, methods and software Daniel Pauly (co-)developed, documented in over 500 heavily-cited publications, are used throughout the world, following multiple courses and workshops given in four languages on all five continents. This applies especially to the ELEFAN software for fish population analysis, the Eco-path approach for modelling aquatic ecosystems and FishBase, the online encyclopedia of fishes.

This work is recognized in various profiles, notably in Science, Nature and the New York Times, and by numerous awards, notably the International Cosmos Prize (Japan, 2005), the Volvo Environmental Prize, (Sweden, 2006), the Ramon Margalef Prize (Spain, 2008), the Nierenberg Prize for Science in the Public Interest (US, 2012) and the Peter Benchley Award (USA, 2015). This work also led to Dr. Pauly receiving multiple honorary doctorates and being elected a Fellow of the Royal Society of Canada (Academy of Science).

## JEDEDIAH BRODIE :



Jedediah Brodie is a conservation ecologist who studies mammals, plants, and their interactions.

He specializes in getting dirty, sweaty, and parasite-ridden through field work in southern Africa, South Asia, and Alaska, and for the last 17 years has worked extensively in the rainforests of tropical Southeast Asia.

He has been an Assistant Professor at the University of British Columbia since 2012, where he continues to work in Borneo and other islands of the Indonesian Archipelago.

Jedediah has over 70 scientific publications and a book on climate change and wildlife conservation. He was a Fulbright Scholar in Malaysia, a David Smith Conservation Research Fellow, and Communications Director for the Society for Conservation Biology Asia Section.

He is currently Curator of Mammals at the Beaty Biodiversity Museum at UBC and a lead author of the Intergovernmental Panel on Biodiversity and Ecosystem Service's first Asia-Pacific Assessment.

## RAPHAËL LAMI :



Raphaël Lami is an Assistant Professor at the marine station of Banyuls sur Mer, south of France, a marine science center of the UPMC (University Paris 6), and conducts his research and teaching activities in the « Microbial Biodiversity and Biotechnology team ».

After a PhD in France and a post doctoral experience at the University of Delaware (USA), he is currently focusing his research on microbial interactions in aquatic environments to elucidate chemical communication modes between microorganisms.

Marine microbial biodiversity remains a large and poorly explored source of bioactive molecules. The research of new and original chemical compounds to inhibit microbial communication lead to innovative solutions to control virulence of microorganisms (like in oysters, fish and and algae aquaculture), biofilm development (protection of underwater surfaces, antifouling solutions) and many others.

## ALEXANDRE CLUCHIER :



Alexandre CLUCHIER is the International Director of ECO-MED, a French consulting firm specialized in the expertise of biodiversity. As International Director of ECO-MED, Alexandre is responsible for the firm's expertise throughout Europe, Africa and Asia, with a special focus on the Mediterranean and Middle Eastern countries.

Alongside his team and collaborations with a large panel of international and local consultants in many multicultural situations, Alexandre has driven biodiversity assessments in various environments: Mediterranean, alpine, tropical, desert areas...

His expertise aims at the sustainable development of projects in the areas of energy, renewable and emerging resources, water, transport infrastructures, waste storage facilities, and so on.

Alexandre also works in the field of capacity building for industrialists and public institutions with a main focus on how to take into consideration biodiversity issues within the frame of the development of a project.

Alexandre graduated from the Ecole Pratique des Hautes Etudes, Sorbonne, Paris, and first trained and worked within the Lab Biogeography and Ecology of Vertebrates in the University of Montpellier. He specialized in the field of phyllogeography of reptiles and amphibians and ecology of the vertebrates.

The field work and original data he collects during his assessments worldwide allows him to collaborate with numerous scientific papers on chorology and taxonomy.

## COLLEEN GIROUX- -SCHMIDT :



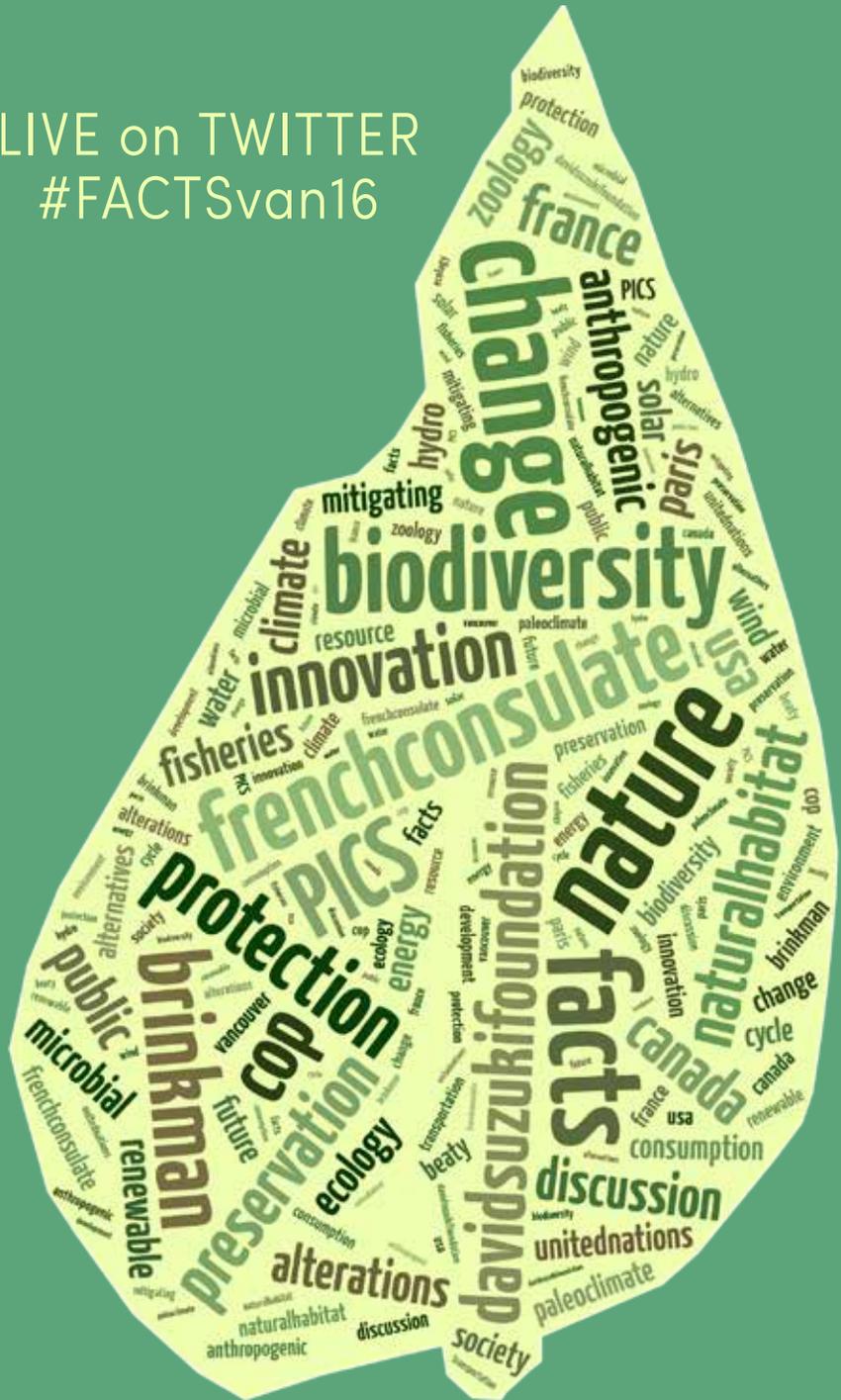
Colleen Giroux-Schmidt brings over a decade and a half of experience in BC resource development, and has solid credentials in the renewable energy sector. She currently works as the Senior Director – Government Relations and Regulatory Affairs for Innergex Renewable Energy Inc. and is currently the Chair of the Board of Directors for Clean Energy BC.

Colleen has strong government relations, relationship building, regulatory, policy development and project management skills, and has been involved in the development, environmental assessment and permitting, construction, and operations phases of numerous clean energy projects, including more than 40 run-of-river hydro projects and BC's largest wind farm.

In 2014, Colleen was a participant in the International Visitor Leadership Program with the US State Department for a program on renewable energy policy. Her contributions to BC's resource development industries have been recognized through being a nominee for the Minerva Foundation's 2014 Women in Energy awards and AME BC's Honourable Service Roll.

Colleen also leads Innergex's work with the Energy Forum, which is a collaborative table of representatives from the ENGO community and the renewable energy industry.

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