



NRESi Bi-WEEKLY NEWS

January 18 - January 29, 2016

**A newsletter for faculty, staff, students and the community
who participate in the
Natural Resources & Environmental Studies Institute
and NRES Graduate Programs**

NRESi NOTES

FROM THE RESEARCH MANAGER

Hello folks

Two great colloquium presentations to start off the winter semester. Thanks to Drs. Sybil Seitzinger and Stefanie LaZerte for their interesting and informative presentations. Next on the colloquium docket is Dr. Oscar Venter who has graciously agreed to step in at the last minute to replace our planned speaker Dr. David Connell who was called away unexpectedly due to a family emergency. We wish all the best to Dave and his family at this difficult time. Dr Venter will be talking about mapping human pressures and conservation at the planetary scale. The following week Chief Roland Willson of the West Moberly First Nations will be presenting on the impacts of the WAC Bennett Dam and associated issues on the traditional fishing practices of his community.

Al Wiensczyk, RPF
Research Manager, NRESi

UPCOMING EVENTS

NRESi COLLOQUIUM

The winter colloquium session continues with a presentation by Dr. Oscar Venter on the 22nd of January followed on the 29th by a presentation by Chief Roland Willson. Watch for announcements closer to the lectures confirming the presenter and topic. Lectures for the winter semester will be held in room 7-212.

TENTATIVE WINTER COLLOQUIUM SCHEDULE

Presentation Date	Tentative Presenter and/or Topic
Jan 22, 2016	Dr. Oscar Venter, FRBC/West Fraser Growth and Yield Chair, Associate Professor - Ecosystems Science and Management - UNBC. Mapping human pressures and conservation at the planetary scale.
Jan 29, 2016	Chief Roland Willson, West Moberly First Nations. "Where'd you catch that fish?": Cultural effects from heavy metal contamination, alien fish, and the proposed Site C dam on traditional fishing practices
Feb 5, 2016	Christin Wiedemann, Director, Communications—Society for Canadian Women in Science and Technology. Shaping the future of science.
Feb 19, 2016	Dr. Nancy Turner, Distinguished Professor and Hakai professor in Ethnoecology, School of Environmental Studies, University of Victoria. A Mutual Love of Plants. Collaborative Community-based Research in Ethnobotany in British Columbia.
Feb 26, 2016	Dr. James Watson, President, Society for Conservation Biology, Climate Adaptation Lead, Wildlife Conservation Society

REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wiensczyk@unbc.ca

We're on the web at : www.unbc.ca/nres-institute/newsletter

TENTATIVE WINTER COLLOQUIUM SCHEDULE (con't)

Presentation Date	Tentative Presenter and/or Topic
Mar 4, 2016	Craig DeLong, Senior Ecologist, Ecora Resource Group Ltd.
Mar 11, 2016	Dr. Graham Fairhurst, Post-doctoral fellow, Environment Canada/University of Saskatchewan.
Mar 18, 2016	Dr. Anne Salomon, Associate Professor and Hakai Professor, School of Resource and Environment Management, Simon Fraser University
Mar 22, 2016	Dr. Andrew Watson, Post-doctoral fellow, Department of History, University of Saskatchewan
Apr 1, 2016	Dr. Francesco Berna, Geoarchaeologist, Simon Fraser University. Archaeological research at Wonderwerk Cave, South Africa.

UPCOMING EVENTS

NRESi COLLOQUIUM

Dr. Oscar Venter

FRBC/West Fraser Growth and Yield Chair in Forestry
Associate Professor - Ecosystem Science and Management - UNBC

[Mapping human pressures and conservation at the planetary scale](#)



Friday, Jan 22nd, 2016

3:30 pm - 4:30 pm

Room: 7-212

To participate remotely: <http://www.unbc.ca/nres-institute/colloquium-webcasts>

UPCOMING EVENTS

NRESi COLLOQUIUM

Chief Roland Willson

West Moberly First Nations

["Where'd you catch that fish?": Cultural effects from heavy metal contamination, alien fish, and the proposed Site C dam on traditional fishing practices](#)



For nearly fifty years, the people of West Moberly First Nations have been dealing with the unassessed and unmitigated impacts caused by the construction of the W.A.C. Bennett hydroelectric dam and the flooding of approximately 1,700 km of terrestrial habitats in northeastern British Columbia (BC). Beneath the surface of BC's most profitable development is the legacy of methylmercury (Hg) contamination impacting the health and welfare of Aboriginal people. Trout harvested in accordance with the traditional seasonal round from the Williston Reservoir have elevated levels of methylmercury. While the seriousness of the health implications for sensitive populations is generally understood, the potential geographic extent of the risk to human health from exercising traditional fishing practices is not. Our Elders determined that an investigation into the mercury levels in Bull Trout harvested during the Spring Fish Camp from the Crooked River, BC was necessary. Analysis determined that 98% of the samples (n=57) contained levels of mercury that exceeded health guidelines. Chief Willson will discuss the cultural effects arising from the loss of harvesting Bull Trout in a watershed that has sustained our practices for thousands of years, as well as additional threats from the discharge of selenium (Se) from coal mines, intentional release of alien fish into the watershed, and the proposed construction of the Site C dam, have adversely affected to traditional mode of life guaranteed by Treaty No. 8.

Friday, Jan 29th, 2016

3:30 pm - 4:30 pm

Room: 7-212

To participate remotely: <http://www.unbc.ca/nres-institute/colloquium-webcasts>

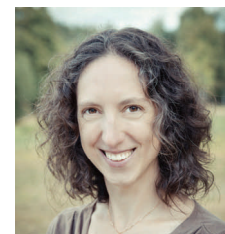
REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi newsletter issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wienczyk@unbc.ca

UPCOMING EVENTS

NRESi COLLOQUIUM

Dr. Christin Wiedemann
Co-CEO and Chief Scientist
Professional Quality Assurance (PQA) Ltd.



Shaping the future of science

Science relies on innovation, and innovation is driven by diversity. Yet the scientific community is still to a large extent male dominated, and women are underrepresented in most areas. How do we attract more women to science, and how can we make sure we don't lose the ones that are already there? How can we work together – regardless of gender – to shape the future of science?

Friday, Feb 5th, 2016

3:30 pm - 4:30 pm

Room: 7-212

To participate remotely: <http://www.unbc.ca/nres-institute/colloquium-webcasts>

UPCOMING EVENTS

GLOBAL FRIDAY PRESENTATION

Climate change, Gender and Work in Rich Countries
Dr. Marjorie Griffin Cohen
Professor, Department of Political Science & Women's Studies,
Simon Fraser University

Date: **Friday, January 22, 2016***

Time: **12:00 – 1:30pm**

Location: **5-173**

Also available via Livestream: www.unbc.ca/livestream

Facebook Page: <https://www.facebook.com/GlobalFridays>

Podcast: <http://blogs.unbc.ca/globalfridays/>

UPCOMING EVENTS

Canadian Institute of Forestry: Electronic Lecture Series:

Forest Change: Canadian Forest Service Science and Data in Support of Adaptation to Climate Change

Date/Time	Title	Presenter(s)
January 27, 2016 10:30 am PST	Applying Forest Change Tools & Data Within the Canadian Council of Forest Ministers (CCFM) Sustainable Forest Management Adaptation Guidebook	Jason Edwards– Forest Officer, CFS, NRCan
Current Issues and Emerging Technologies in Canada's Forests		
February 3, 2016 10:30 am PST	Using Projected Fire Regime and Growth Rates to Evaluate the Vulnerability of Current Harvest Rates to Climate Change	Martin Girardin, Sylvie Gauthier & Pierre Bernier - Research Scientists, CFS, NRCan

All electronic lectures are free. Your consideration of CIF/IFC membership would be appreciated. To become a CIF/IFC member: www.cif-ifc.org/membership-content/become-a-member/
www.cif-ifc.org/e-lectures/

For additional information or to register, contact:

Svetlana Zeran (CIF/IFC) **E-mail:** electures@cif-ifc.org Tel: 705-744-1715 ext. 530

REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi newsletter issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wienczyk@unbc.ca

UPCOMING EVENTS

Northern Silviculture Committee (NSC) Winter Workshop—February 16-17, 2016—Prince George Civic Centre.

Join us for the Northern Silviculture Committee's annual winter workshop to be held in Prince George this February. This year, the NSC has gathered a group of experts to tackle a critical theme: **"Improving Silviculture Planning and Practice from our Current Stands to our Future Forests."** Speakers from industry, government and academia will address four key subthemes:

- 1) Landscape-level reforestation and evolving stocking standards.
- 2) Opportunities and challenges for meeting future timber supply and wildlife habitat.
- 3) Considering cumulative impacts in professional site planning and silviculture prescriptions.
- 4) Are current forest-level plans and planning mechanisms—Adequate? If not, how can we fix them?

Register online at <http://www.booking.ca/bkunbccontinuingstudiespub/courses/index.asp?c=1&sc=8&crs=950>

Canadian Institute of Forestry (CIF) Master's Night—February 18th, 2016. UNBC Prince George.

The CIF is hosting their annual Master's Night at UNBC in conjunction with the 11th Annual UNBC Graduate Conference. This event provides the opportunity for graduate students in the Natural Resource Management and affiliated programs to give a short presentation to CIF members, invited guests, and the general public on their planned, in-progress, or completed research projects.

Those graduate students interested in presenting on their project should contact alan@tccsolutions.ca for more information on the selection process. Abstraction submission deadline: **Friday, January 22nd, 2016.** *

A small stipend is provided for those who are selected to present.

Peace-Williston Fish and Wildlife Compensation Program Colloquium Series

Below is the tentative schedule for the Fish and Wildlife Compensation Program-sponsored Colloquium series. More details to follow.

Presentation Date	Location	Tentative Speaker/Topic
Thursday, Feb 25, 2016	Mackenzie, BC	Using meso-carnivores as a measure of change in forest ecosystems: A case study from the John Prince Research Forest (JPFR). Dexter Hodder, John Prince Research Forest
Friday, Mar 4, 2016	Fort St John, BC	A Tale of 3 fish: a migrant, an invader, and a resident. Dr. Mark Shrimpton, University of Northern British Columbia
Monday, Mar 21, 2016	Prince George, BC	Dr. Karen Kidd , University of New Brunswick

Western Division of Canadian Association of Geographers Conference—March 11-12, 2016—UNBC Prince George

The Geography Program at UNBC is pleased to announce that the 58th Annual Meeting of the Western Division of the Canadian Association of Geographers (WD-CAG) will be held **March 11-12, 2016** at UNBC's Prince George Campus.

In the coming weeks, organizers will send out a call for abstracts, and provide information on conference registration, accommodations, field trips and the banquet. This is a warm, welcoming and affordable conference for NRES graduate students! <http://www.unbc.ca/geography/unbcgeography-hosting-wdcag-2016>

Free Presentation—Friday, January 22, 2016*—7:00 pm—Art Space (above Books and Company on 3rd Ave)

Mike Nash and Judy Lett will show slides from their recent explorations in England and Scotland. The presentation will feature many walks, including parts of six long distance trails ranging from coastal to mountainous, as well as highlighting aspects of historical, contemporary, and natural Britain told from visitor and local perspectives. There are countless trails and footpaths in the UK, and untold numbers of clubs and other organizations that can be helpful to a hiking visitor.

REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi newsletter issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wienczyk@unbc.ca

IN THE NEWS

The **Massicotte/Egger** research cluster is welcoming **Ms. Marine Pacé**, a PhD student with **Drs. Nicole Fenton/Yves Bergeron**, from the University of Québec at Abitibi-Temiscamingue and Dr. David Paré (CFS, Québec), for a short research training session. She is learning techniques to study mycorrhizal fungi on black spruce and jack pine root systems. She has seen her first Thelephora mycorrhiza yesterday!

Stay up-to-date with the latest NRESi and member news by following us on Twitter: [@UNBC_NRESi](https://twitter.com/UNBC_NRESi)

Pacific Institute for Climate Solutions (PICS) news



Dr. Sybil Seitzinger gave an off-schedule lecture on January 13th about the outcomes of the COP 21 meetings in Paris.

(Photo by Ananya Bhattacharya)

Cumulative Impacts Research Consortium (CIRC) news

"The Cumulative Impacts Research Consortium (CIRC) would like to welcome Nadia Nowak and Rebecca Delorey to the CIRC team. Ms. Nowak will be assisting with a scoping review of the community impacts of unconventional natural gas development. Ms. Delorey will be helping to develop a bibliography of practice-based projects focused on identifying and addressing the cumulative impacts of resource development across northern BC, and will also assist CIRC with event planning and workshop delivery over the course of the spring semester.

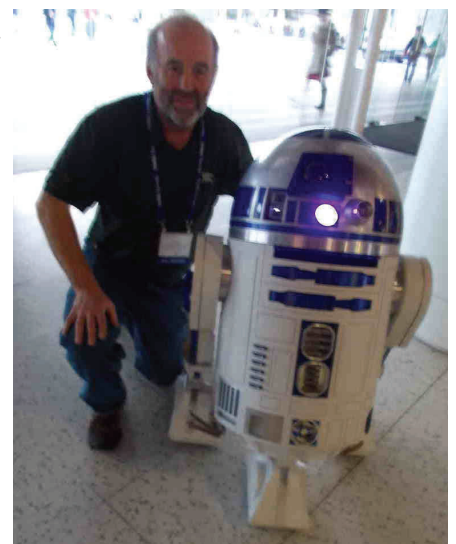
IN THE NEWS

(Government press releases)

Province seeks input from British Columbians for next climate plan.

Jan 14, 2016—Victoria. To ensure B.C.'s future climate actions reflect the values of British Columbians, Premier Christy Clark today invited families and members of the public to tell government what they would like to see in B.C.'s new Climate Leadership Plan, to be released later this spring. [For more details...](#)

Roger Wheate and R2D2 in San Francisco the day before The Force Awakens premiere: "Where is the map to Luke Skywalker, R2 ... you can trust me, I'm a cartographer"



REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi newsletter issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wiencszyk@unbc.ca

COURSE OFFERING

PhD summer course: Climate Change Adaptation and Transformations towards Sustainability.

When: August 1-5, 2016

Where: University of Oslo, Oslo, Norway.

This PhD course explores the relationship between adaptation and transformation, two concepts that are key to understanding societal responses to climate change. The objective of the course is to engage students with the latest theories, frameworks, approaches and methods for addressing two critical questions in solutions-oriented global change research: What does it mean to successfully adapt to climate change? How can deliberate transformations to sustainability be carried out rapidly, yet in ways that ethical and equitable?

Organizers: Oslo Summer School in Comparative Social Science Studies at the University of Oslo, in collaboration with the Future Earth Norway Secretariat.

Lecturer: Professor Karen O'Brien, Department of Sociology and Human Geography, University of Oslo, Norway

Rolling admission, applications are now being accepted

Course Credits: 10 pts (ECTS)

Max. 25 participants

[Read more about the course and apply here.](#)

If you have any questions please get in touch with Linda Sygna at the Future Earth Norway Secretariat:

linda.sygna@sosgeo.uio.no

SUSAN STEVENSON SCHOLARSHIP FUND

As its first project of this kind, the Natural Resources and Environmental Studies Institute (NRESi) has established the Susan Stevenson Scholarship Fund, in memory of wildlife ecologist and NRESi member Susan Stevenson. During a 35-year career built primarily in the BC central interior, Susan designed and implemented important research and inventory projects related to mountain caribou habitat, lichen biology, and silvicultural systems, collaborating with a diverse range of researchers, and gave generously of her expertise to the next generation of scientists. Susan exemplified the Institute's values of interdisciplinary curiosity and unselfish collaboration, and enriched the lives of all those who worked and studied with her.

Efforts have succeeded in reaching the goal of \$15,000 that will be matched by UNBC to allow for an annual award. Award criteria are currently being developed. The inaugural award is hoped to be presented in the 2016-2017 academic year. NRESi would like to thank everyone who contributed to the scholarship! More information will follow in the com-

COLLOQUIUM ARCHIVE

Did you miss a colloquium or special lecture this semester? Visit NRESi's webcast archive to catch up! They can be found [here](#).

REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in future NRESi newsletter issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: al.wienczyk@unbc.ca