



NRESi Bi-WEEKLY NEWS

April 25 - May 6, 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

Well, exams are done and the summer break is upon us—but the work preparing for the fall and winter semesters still continues. To that end I am happy to report that we have tentatively filled all of our spots for the Fall Semester Friday colloquium presentations. Thanks to those who suggested speakers. We are continuing to work on finding speakers for the winter semester.

Best wishes to everyone for a safe and enjoyable summer. The NRESi newsletter will continue throughout the summer on a monthly basis, returning to bi-weekly issues in the fall.

Al Wiensczyk, RPF

Research Manager, NRESi

UPCOMING EVENTS

NRESi COLLOQUIUM

Planning for the fall/winter 2016/17 colloquium series is currently underway. If you any suggestions for speakers, or if you would be willing to make a presentation yourself please contact me via email using the email address below.

TENTATIVE FALL SEMESTER COLLOQUIUM SCHEDULE

Presentation Date	Tentative Presenter and/or Topic
Sept 16, 2016	Dr. Briony Penn, University of Victoria
Sept 23, 2016	Travis Gerwing, UNBC
Sept 30, 2016	Dr. Francis Zwiers, Pacific Climate Impacts Consortium
Oct 7, 2016	Dr Fiona Johnston, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany
Oct 14, 2016	Ron Long, Pink Mountain Biodiversity Initiative
Oct 21, 2016	Dr. Justine Karst, University of Alberta
Oct 28, 2016	Dr. Dominick DellaSala, GEOS Institute
Nov 4, 2016	Alexandre Bevington, BC Ministry of Forests, Lands and Natural Resource Operations
Thurs, Nov 10, 2016	Dr. Michelle Venter, UNBC
Nov 18, 2016	TBA—Inspiring Women Among Us (IWAW) sponsored speaker
Nov 25, 2016	Vanessa Foord, BC Ministry of Forests, Lands and Natural Resource Operations

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

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

UPCOMING EVENTS

Canadian Institute of Forestry: Electronic Lecture Series:

Date/Time	Title	Presenter(s)
May 4, 2016 10:30 am PST	Applying SkyForest™ to develop forest industries and related information.	Philip Green —CEO, and Yves Vivier — Director of Forestry, First Resource Management Group Inc.
May 11, 2016 10:30 am PST	Improving productivity of forest operations with SkyForest™.	Allan Foley —President and COO, and Claude Thibeault —Operations Manager, First Resource Management Group Inc.
May 18, 2016 10:30 am PST	Canadian Urban Forest Network: Yesterday, Today and Tomorrow	Adrina Bardekjian —Program Manager, Urban Forestry, Tree Canada.
May 25, 2016 10:30 am PST	The rise of the industrial drone.	Ian Glenn —CEO/CTO ING Robotic Aviation Inc.

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

UPCOMING EVENTS

Avoiding catastrophe: Linking armed conflict, harm to ecosystems, and public health.

May 4-6, 2016

Concordia University, Montreal, Quebec

Gathering experts from the medical, epidemiological, veterinary, conflict management, biodiversity conservation, climate change and political science communities, this conference will pursue an integrated understanding of the catastrophic combination of prolonged armed conflict, environmental alterations such as biodiversity loss, and challenges to the provision of public health, including emergent infectious diseases, nutrition, and mental health issues.

This event is hosted by the LOYOLA SUSTAINABILITY RESEARCH CENTRE, and is funded by the Canadian Social Sciences and Humanities Research Council Connections Program. Partners include: Montreal Institute for Genocide and Human Rights Studies, Doctors Without Borders, EcoHealth Alliance, Future Earth, the Human Security Institute, and the United Nations Secretariat for the Convention on Biological Diversity.

To register, follow this link: <http://bit.ly/1nF888V>

For more information, please contact Dr. Peter Stoett at Peter.Stoett@concordia.ca

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

UPCOMING EVENTS

BC Institute of Agrologists 65th Conference and Annual General Meeting

May 11-14, 2016

Coast Inn of the North, Prince George, BC

With a focus on climate, water and land stewardship, “**Resource Management in BC: Designing the New Paradigm**” provides insight into the challenges and changes agrologists face.

The conference package offers:

- A series of AM and PM sessions topics on resource management include presentations on the implications of climate change, remote sensing, the Watershed Sustainability Act, First Nations collaboration, adapting ecosystems and a hydrologic perspective on climate, resource development and watershed conditions.
- The opportunity to take a tour to a proposed Ancient Forest site, the UNBC Green Campus, a landfill and composting facility or a bioenergy plant.
- A reception at the Two Rivers Art Gallery.
- An awards banquet complete with presentations and entertainment.

Register online at www.bcia.com/conference

UNBC students can register for the Professional Development presentations for \$50.00

TRAVEL & CONFERENCES

Gail Fondahl participated in an Arctic Horizons workshop (14-16 April, @ University of Northern Iowa), one of several such workshops contributing to a US National Science Foundation project that is tasked with reassessing the goals, potentials and needs of local communities and arctic social scientists within the context a rapidly changing Arctic. The workshops' outcomes will inform NSF's Arctic Social Science program and its future priority setting. Gail serves on the Arctic Horizons Advisory Board.

PUBLICATIONS

Gillingham, M.P., Halseth, G., Johnson, C.J., and Parkes, M. (eds.) 2015. The Integration Imperative - Cumulative Environmental, Community and Health Impacts of Multiple Natural Resource Developments. Springer International Publishing, Switzerland. 256 pp.

The purpose of this work is to develop a better understanding and thinking about the cumulative impacts of multiple natural resource development projects. Cumulative impacts are now one of the most pressing, but complex challenges facing governments, industry, communities, and conservation and natural resource professionals. There has been technical and policy research exploring how cumulative environmental impacts can be assessed and managed. These studies, however, have failed to consider the necessary integration of community, environment and health. Informed by knowledge and experience in northern British Columbia, this book seeks to expand our understanding of the cumulative impacts of natural resource development through an integrated lens. The book offers a timely response to a growing imperative – proposing integrative response to multiple natural resource developments in a way that addresses converging environment, community and health issues. Informed by the editors' experiences across several complementary areas of expertise, we envision this book as appealing to a wide range of researchers, educators and practitioners, with relevance to a growing audience with appetite for and interest in integrative approaches.

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

IN THE NEWS

(Government press releases)

Strong First Nations support for pipeline projects for LNG

Apr 27, 2016—Victoria. Support for the liquefied natural gas industry is growing among First Nations in northern B.C. To date, the Province has signed a total of 62 pipeline benefits agreements with 29 of 32 eligible First Nations (more than 90%) that are located along four proposed natural gas pipeline projects: Pacific Trail Pipeline, Coastal GasLink Pipeline Project, Prince Rupert Gas Transmission Project, and the Westcoast Connector Gas Transmission Project.

[For more details...](#)

Premier Clark takes action against sexual violence on campuses.

Apr 27, 2016—Victoria. The Province introduced legislation today to make campuses safer and more responsive to the needs of victims by requiring public post-secondary institutions to establish sexual misconduct policies within one year of the bill receiving Royal Assent.

[For more details...](#)

FACTSHEET: Hydraulic fracturing in British Columbia

Apr 26, 2016—Victoria. Hydraulic fracturing is a technological process used to extract natural gas from shale rocks. Shale formations have very small pore spaces and low permeability, making the extraction of gas difficult. Hydraulic fracturing is required to increase the permeability of the rock and to facilitate the movement of gas up a wellbore.

[For more details...](#)

Connecting Gitxsan workers to local jobs

Apr 26, 2016—Hazelton. More local people working in local jobs. That's what the Gitxsan Nation hopes to achieve as a result of a provincial Labour Market Partnership project with the Gitxsan Development Corporation.

[For more details...](#)

B.C. provides \$1.7 million in grants to fight invasive plants

Apr 22, 2016—Victoria. The B.C. government is distributing over \$1.7 million in new grants to help control the spread of invasive plants in the province, Forests, Lands and Natural Resource Operations Minister Steve Thomson and Parliamentary Secretary Donna Barnett announced today.

[For more details...](#)

B.C. takes steps to better detect and protect wildlife.

Apr 20, 2016—Cranbrook. Two new made-in-British Columbia high-tech wildlife detection systems to help motorists avoid wildlife are now operational on Highway 3 near Elko and Sparwood.

[For more details...](#)

McLeod Lake Indian Band signs LNG benefits agreement

Apr 20, 2016—Victoria. The McLeod Lake Indian Band, a Treaty 8 First Nation located 140 kilometres north of Prince George, has signed two agreements with the provincial government that will provide direct benefits to the community through further development of British Columbia's emerging liquefied natural gas (LNG) industry.

[For more details...](#)

LNG moves ahead for West Moberly First Nations

Apr 20, 2016—Victoria. West Moberly First Nations are partnering with the provincial government to ensure that their community benefits from the prosperity the emerging liquefied natural gas industry (LNG) is bringing to the North.

[For more details...](#)

Earth Day 2016: B.C. stands tall as a climate leader

Apr 18, 2016—Victoria. This year Earth Day will be marked with the signing of the historic Paris climate change agreement in New York City on April 22, 2016.

[For more details...](#)

British Columbia taking steps to manage disease outbreak in bats

Apr 14, 2016—Victoria. The recent discovery of a deadly fungal disease in a dead bat in western North America has provincial wildlife officials asking the public to support work already underway by providing information on unusual bat activity.

[For more details...](#)

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

Cumulative Impacts Research Consortium (CIRC) news

Job Opportunity 0.8 FTE (28 hours/week) – Research Associate, Cumulative Impacts Research Consortium (CIRC)

The CIRC is currently hiring a Research Associate (0.8 FTE) to manage its network of partners, organizational communication and community outreach activities. The ideal candidate for this position will have strong organizational, interpersonal and communication skills, with a proven track record of developing and maintaining professional relationships. The primary responsibility of this position is to lead the CIRC's communications activities including:

- Maintaining existing partnerships and building new ones;
- Managing internal communications between CIRC staff, UNBC staff and community partners;
- Managing the CIRC website and social media content;
- Developing and delivering public educational workshops and dialogue sessions;
- Managing a living library of cumulative effects projects; and,
- Coordinating with other organizations and institutions both within and beyond UNBC to deliver events and design research projects.

The successful candidate will have a university degree (graduate degrees are an asset) in the field of natural resource studies, community development, or communications, and a minimum of 2-3 years of experience in community outreach and engagement. An equivalent combination of education and experience will also be considered. Research experience and knowledge of resource development issues/cumulative impacts science are all assets. The position is based at the Prince George campus of UNBC and a valid driver's license is required for travel to meetings and workshops outside Prince George. This position is open to candidates currently eligible to work in Canada. This is a one-year position with the opportunity for extension based on an annual review of performance. Salary will be commensurate with experience. Please contact chris.buse@unbc.ca for a copy of the full job advertisement and application instructions.

COURSE OFFERING

Field School in Human Ecology – HHSC 760/NRES 760— May 4-June 29: Wednesdays 10am-1pm (with additional field visits)

Human ecology addresses the complex inter-relationships between humans and other species and societies and ecosystems, unpacking the myriad interconnections between the social and the ecological in the co-creation of conditions for human and ecosystem health. It addresses issues of equity, social and environmental justice, governance, scale, meaning-making and impact. Ecosystem approaches to health integrate health, society and environments and give priority to participatory and interdisciplinary research, practice and policy that is conscious of social and gender equity. In this course, we will ask: What are the key challenges for ecological public health/ecohealth/human ecology now and into the future? How do people think about these challenges and what can we do that is productive in the face of complex environmental and social challenges? This interdisciplinary course includes a combination of class-based sessions run collaboratively across three other Canadian Universities (to foster cross-university engagement between students and faculty), as well as intensive field-based components that will allow students to explore case studies at the intersection of health, ecosystems and society. Accordingly, the course will leverage expertise from a pan-Canadian group of scholars across sites to provide synchronous opportunities for learning, while asynchronous course elements are designed to provide exposure to local field sites to enhance the understanding and application of course materials through experiential learning. Students with interests in sustainability, complex systems, traditional ecological knowledge, environmental/social justice, or human, animal and planetary health are invited to take this course. Please email chris.buse@unbc.ca for more information and to register.

IN THE NEWS

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

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

EXPERIENTIAL COURSE OFFERING

First Nations Cultural Heritage through Moose-hide tanning—FNST 444-3

May 2-20, 2016, Monday—Friday, 9:00 am to 3:30 pm

This intensive hands-on experiential-learning course will introduce students to concepts, case studies and perspectives on issues relating to Indigenous cultural heritage through the process of tanning a moose-hide. Co-facilitated with two Nak'azli Dakelh knowledge-holders, Yvonne Pierrero and Mildred Martin, this course will engage students in the process of preparing hides while simultaneously exploring Indigenous voices and diverse themes in cultural heritage, including recovery, protection and revitalization. This class will include travel to UNBC as well as to the home of the knowledge-holders, in Prince George. **This seminar-based class is founded on discussions of the readings, lectures and participation in the moose-hide tanning, thus attendance and active engagement of students in the class is highly expected.** Through the tanning process, students will have hands-on experience while developing an understanding of Indigenous history and cultural heritage as well as appreciation for Dakelh traditions and skills in their traditional and contemporary contexts.

For more information please contact Agnes Pawlowska-Mainville at: agnes.pawlowska-mainville@unbc.ca or visit the FNST website at <http://www.unbc.ca/first-nations-studies>

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

REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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

SUSAN STEVENSON MEMORIAL AWARD

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. 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!

The following award criteria for the **Susan Stevenson Memorial Award** have been developed:

Value: \$1,000

Eligibility: Available to a full or part time female graduate student enrolled in either the Masters (NRES) or PhD (NRES) degree programs with a research emphasis in one or more of: wildlife ecology, plant biology, forest ecology, or innovative silvicultural systems and practices that emphasize wildlife management and biodiversity objectives.

Criteria: Satisfactory Academic Standing (3.0 GPA)

Conditions: Student is unable to receive this award more than once.

Recipient Selection: Senate Committee on Scholarships and Bursaries on recommendation of the NRESi Steering Committee. Applicants will provide a statement, not exceeding 500 words in length, explaining how their intended research fits within the areas specified for his award.

Application deadline for the 2016/17 academic year: August 1, 2016

COLLOQUIUM ARCHIVE

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



REMINDER: Share your information about recent publications, grants, and/or other honours you have received with NRESi newsletter subscribers via our bi-weekly newsletter.

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