



NRESi Bi-WEEKLY NEWS

July 4 - Aug 5, 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 summer just seems to be flying by.

Hope that everyone is enjoying the weather and opportunities that a Prince George summer has to offer. As some of you may be aware Dr. Darwyn Coxson (NRESi Director) is on a 6-month sabbatical until the end of December 2016. In his absence, Dr. Peter Jackson, has graciously stepped into the role of NRESi Director until Darwyn's return.

The fall colloquium schedule is full and we have several speakers already lined up for the winter semester as well.

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
Wed, Nov 9, 2016	Dr. Michelle Venter, UNBC
Nov 18, 2016	TBA—Inspiring Women Among Us (IWAW) sponsored speaker
Nov 25, 2016	Dr. Susan Wood-Bohm—Executive Director—Biological GHG Management—Alberta Innovates

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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

14th Annual UNBC and CNC Teaching and Learning Conference

Aug 31-Sept 1, 2016

UNBC and CNC

Please visit <http://blogs.unbc.ca/tandl/> for more info and to register.

UPCOMING EVENTS

Northern Silviculture Committee Summer Field Tour

Silviculture Legacies, Past and Future: The effect on the character and function of our northern forests

September 13-14, 2016

John Prince Research Forest, Fort St James, BC

Cost: \$250

Our legacies, as foresters, are the conditions of the forests that we bequeath to future generations. Over the last seventy-five years, foresters in the north have adapted their practices to reflect scientific advances in ecological knowledge and technology, policy shifts, timber markets, and major environmental events. Our forest land base reflects a mosaic of management styles which have varying implications for timber and habitat supply over the mid and long-term.

Let's take a couple of days, as we transition out of our pine-beetle dominated mindsets, to look at the array of silviculture approaches that have taken place over the last fifty years, and the forests that have and will develop because of them, and consider our next steps as pressures on our land base and the climate change. relationship to climate change.

For more information and to register visit the NSC website — www.nsc-bc.org/upcoming-events/summer-field-tour-2016

UPCOMING EVENTS

Canada's Forest Sector: Adapting to a new reality. Technology and innovation as a catalyst for success.

Canadian Institute of Forestry: 2016 AGM and Demo International®

September 19-21, 2016

Vancouver, BC.—Four Seasons Hotel

This conference is being co-hosted by the UBC Faculty of Forestry, and the Canadian Woodlands Forum (CWF) in association with FPInnovations, the Council on Forest Engineering (COFE) and the Canadian Institute of Forestry (CIF).

Over the course of the conference, twelve individual themes with over eighty speakers from across Canada and internationally will address key topics such as: new silviculture practices, logistics and transportation; adapting to steep slopes; ground based harvesting systems; forest biomass production and handling; new technology in forest management, forest roads, forest modelling and human factors and safety.

The 108th Annual General Meeting of the CIF and the 2016 Annual Meeting of COFE as well as Awards Banquets for both organizations are being hosted at this conference as well. A variety of interesting pre and post conference tours have been planned as well, make sure to [register](#) your spot on the tour of your choice on the conference website early as space is limited!

This conference will also provide delegates with an opportunity to attend the Demo International® Equipment show, owned and presented by CWF and hosted by the UBC Faculty of Forestry, which runs from September 22-24 in Maple Ridge, BC. Occurring only every four years, this world class event has evolved into one of North America's largest outdoor equipment shows, all in a 'unique' setting, the forest; live and in action!

Make sure to take advantage of the ['early-bird' registration fees](#), and don't forget to book your hotel room at the Four Seasons Hotel! Please visit the conference website for full program and other related details: <http://www.demointernational.com/>.

On behalf of the Demo International® 2016 technical conference partners, we would like to encourage your participation and hope to see you in Vancouver this September!

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UPCOMING EVENTS

2nd Call for Papers and Registration Open:

Between Tradition and Increasing Challenges: Future Development of Small-scale and Community Forestry in times of global change.

IUFRO International Conference

September 26-29, 2016

Foz do Iguacu, Brazil

Post conference tour:

September 30—October 2, 2016

Misiones, Argentina

For more information: <http://www.latinoamericajointiufrofromeeting.com/>

UPCOMING EVENTS

2016 Southern Interior Silviculture Committee (SISCO) fall field tour

“Back to the Future” - Looking at previously harvested stands to help predict what current harvesting practices might bring in the future.

September 27-28, 2016

Summerland, BC

For more info as it becomes available visit <http://siscobc.com/>

UPCOMING EVENTS

CALL FOR STUDENT RESEARCH POSTERS

Watersheds 2016: Building Capacity for Collaboration and Watershed Governance in BC

September 30 - October 1, 2016

Vancouver, BC

For detailed event information and a preliminary program, please visit the Watersheds 2016 website: <https://watersheds2016forum.wordpress.com>

Submissions will be reviewed by the Event Organizers. Up to 10 spaces are available for student research posters. Alternative display formats are possible but students are asked to contact organizers to discuss first.

Criteria:

- A student (graduate student, undergraduate), or youth-based project.
- A BC-focused or relevant project that relates to the themes of the conference: watershed-focused collaboration, watershed governance, Indigenous-led water governance initiatives, water policy & law.
- Submission of title, approximately 250 word abstract describing the project and authors submitted by deadline: **July 29, 2016.**
- Co-authored posters are acceptable as long as the student is an author and it is the student who attends the conference and presents the poster.
- Consideration will be given to geographic diversity of presenters and their research.

Financial support

- Travel bursaries are not available. Students will receive a formal letter confirming their participation and are encouraged to apply for travel support from their supporting institution.
- Registration costs will be partially or entirely waived for students who can commit to a note-taking role.
- Student early-bird registration rate (\$200) applies to those who have a poster, but do not note-take.

Please contact Natasha Overduin: research@polisproject.org with your application, or to further discuss this opportunity.

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TRAVEL & CONFERENCES

During the week of May 15-18, **Hugues Massicotte**, Linda Tackaberry and **Jane Young** attended the CBA meeting held at the University of Victoria. Hugues was invited to present a talk on “Revisiting the structural interface between mycorrhizal fungi and vascular plant root cells” as part of a Mycology symposium (Fungi on the edge) and Jane presented a poster with Kyla Jensen (UNBC student) on Enhancing wetland conservation awareness in the classroom.

On July 21, **Hugues Massicotte** was invited by the Rotary Club of Yellowhead Prince George to present a luncheon lecture on “Some edible and medicinal mushrooms in Northern BC”.

On August 2-6, **Hugues Massicotte**, Linda Tackaberry and **Keith Egger** are attending a Pre-conference workshop, co-sponsored by the Mycological Society of America (MSA) and The North American Truffling Society (NATS), on Truffle Fungi of the Sierra Nevada. A group of about 15 keen hypogeous-inclined mycologists will target their energy to collect specimens in the Huntington Lake area, in the Southern Sierra National Forest.

Pacific Institute for Climate Solutions (PICS) news

PICS has recently re-launched the PICS News Scan under the banner of The Climate Examiner.

www.theclimateexaminer.ca. The site features a contemporary design that aids in sharing and easy searching of the PICS news archive. The Climate Examiner (TCE) scours the headlines and recent scholarly papers to put the solutions research that PICS performs in context of latest developments, and to explain key climate and energy concepts to policymakers, stakeholders and the interested public. The makeover has already resulted in an upswing in readership and social media sharing.

Cumulative Impacts Research Consortium (CIRC) news

Chris Buse (CIRC Project Lead) was recently awarded a 2-year Postdoctoral Fellowship with the Michael Smith Foundation for Health Research to investigate the health equity implications of unconventional natural gas development across the supply chain in northern BC.

Social Sciences and Humanities Research Council funding opportunity

SSHRC has just launched its 4th **Knowledge Synthesis Grant** competition “**How are the knowledge systems, experiences and aspirations of First Nations, Inuit and Metis peoples essential to building a successful shared future for all Canadians**”

SSHRC Knowledge Synthesis Grants are valued at \$25,000 and are tenable for one year. Applications are submitted as PDF documents via email.

Application deadline: September 13, 2016

More information about grant eligibility and the application process can be found at: <http://www.sshrc-crsh.gc.ca/funding>

PUBLICATIONS

Aubin, I., A.D. Munson, F. Cardou, **P.J. Burton**, N. Isabel, J.H. Pedlar, A. Paquette, A.R. Taylor, S. Delagrange, H. Kebli, C. Messier, B. Shipley, F. Valladares, J. Kattge, L. Boisvert-Marsh, and D. McKenney. 2016. Traits to stay, traits to move: a review of functional traits to assess sensitivity and adaptive capacity of temperate and boreal forests to climate change. *Environmental Reviews* 24(2): 164-186. DOI 10.1139/er-2015-0072.

Foord, V. 2016. Climate Patterns, Trends, and Projections for the Omineca, Skeena, and Northeast Natural Resource Regions, British Columbia. Prov. B.C., Victoria, B.C. Tech. Rep. 097. <https://www.for.gov.bc.ca/hfd/pubs/Docs/Tr/TR097.htm>

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IN THE NEWS

(Government press releases)

British Columbia now a global leader on mine tailing storage regulations

Aug 3, 2016—Williams Lake. Energy and Mines Minister Bill Bennett today issued a statement regarding the two-year anniversary of the Mount Polley tailings dam breach that occurred Aug. 4, 2014:.

[For more details...](#)

B.C.'s carbon neutrality reduces emissions, creates jobs

Jul 28, 2016—Victoria. British Columbia has achieved carbon neutrality across its provincial public sector for the sixth consecutive year, helping to lower greenhouse gas emissions while also generating jobs. The Province was the first – and continues to be the only – carbon neutral jurisdiction on the continent.

[For more details...](#)

British Columbia grounds hunting drones

Jul 22, 2016—Victoria. The Province has strengthened regulations to ensure that hunters do not use flying drones to help them track wildlife, Minister of Forests, Lands and Natural Resource Operations Steve Thomson announced today.

[For more details...](#)

Work progressing on roads affected by Peace flooding.

Jul 19, 2016—Dawson Creek. The Ministry of Transportation and Infrastructure is making significant progress on the roads and highways affected by the flooding in the Peace region last month, Minister Todd Stone announced today.

[For more details...](#)

Better public transit for Prince George thanks to federal and provincial funding

Jul 19, 2016—Prince George. Safe, modern and efficient public infrastructure ensures the well-being of British Columbia communities. The governments of Canada and British Columbia are committed to support infrastructure that help getting people to good paying jobs and back to their families after a hard day's work.

[For more details...](#)

Planning for Prince George as a beef processing and export centre

Jul 15, 2016—Prince George. The governments of Canada and British Columbia are contributing funding toward the development of a business plan as the next step in having a federally inspected beef processing plant up and running in Prince George.

[For more details...](#)

Funding will help northern First Nations identify LNG opportunities

Jul 18, 2016—Prince George. A new partnership between the Province and the Prince George Nechako Aboriginal Employment and Training Association (PGNAETA) will study labour market trends and needs - including future LNG opportunities - for 10 First Nations communities in the region.

[For more details...](#)

Clarity given on tree-planting in the Agricultural Land Reserve

Jul 11, 2016—Quesnel. The B.C. government is providing clarity to businesses and individuals considering planting trees for things like carbon sequestration on land in the Agricultural Land Reserve (ALR) – they will need to apply for permission from the Agricultural Land Commission (ALC) first.

[For more details...](#)

Protocol agreement strengthens collaboration on Aboriginal post-secondary education

Jul 8, 2016—Vancouver. A new protocol agreement will support collaboration to improve educational outcomes for Aboriginal post-secondary students in British Columbia.

[For more details...](#)

Factsheet: Facts about LNG in British Columbia

Jul 6, 2016—Victoria. Global demand for natural gas is increasing as a result of economic growth in Asia. British Columbia is well-positioned to compete for a share of this market by creating a liquefied natural gas (LNG) industry that will turn traditional natural gas into a stable, shippable form.

[For more details...](#)

Site C reaches employment milestone surpassing 1,000 B.C. workers

Jul 6, 2016—Fort St John. There are now more than 1,000 British Columbians working on the Site C Clean Energy Project, according to BC Hydro's latest employment statistics.

[For more details...](#)

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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. Additional contributions to the fund are welcomed. The inaugural award will 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.

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](#).



Some photos from my sea-kayaking expedition in Haida Gwaii.



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