



NRESi Bi-WEEKLY NEWS

May 9 - June 3, 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

The first of our summer monthly newsletters.

Congrats to all of the graduates and faculty honoured at the recent convocation ceremonies.

This past month I had the pleasure of attending the grand opening the Field Education Centre at the Aleza Lake Research Forest. I also learned more about our own Dr Kathy Lewis who is featured in an article by Dr Sarah Boon on Canadian Women in Science published in the Canadian Science Publishing Blog.

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
Thurs, Nov 10, 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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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)
June 15, 2016 10:30 am PST	Scaling logs with a laser scanner.	Peter Dyson—Researcher, Harvesting Operations—FPIInnovations.
June 22, 2016 10:30 am PST	Advancing the knowledge of resource roads and wetlands	Mark Partington—Senior Researcher, Forest Operations Division—FPIInnovations.

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

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 FPIInnovations, 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.latinoamericajointiufromeeting.com/>

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/>

TRAVEL & CONFERENCES

In early May **Gail Fondahl** traveled to the Arctic University of Norway to participate in a planning workshop for a new project, “Challenges in Arctic Governance: Indigenous Territorial Rights in the Russian Federation”, funded by the Norwegian Research Council. The 3-year project brings together colleagues from UNBC, Arctic University of Norway (Tromsø), University of Lapland (Rovaniemi, Finland), Northeastern Federal University (Yakutsk, Russian Federation) and Vilnius University (Vilnius, Lithuania).

In mid-May **Gail** presented an invited paper, “Agenda Setting for Arctic Social Sciences Research: AHDR-II, IASC SHWG & ICARP-III”, at the 22nd International Symposium on Polar Sciences, hosted by the Korean Polar Research Institute in Incheon, South Korea. This was the first time the Symposium had included social sciences in its program.



Zoë Meletis is currently in Halifax, Nova Scotia, attending the Canadian Association of Geographers' Annual Meeting. She will present a paper entitled "Navigating without a compass? A literature review and case study of Wiki use in undergraduate geography education". The paper is co-authored by her, a recent UNBC undergraduate: Linette Lubke, and Grant Potter (of UNBC's Centre for Teaching, Learning, and Technology). It is about the addition of Wiki content creation to the UNBC course Geography 203: Roots, Ruggedness, and Rituals, in 2015, and the three authors' perspectives on this. Zoë appreciates the UNBC Conference Travel Grant that contributed to financing this trip.

Phil Owens, Ellen Petticrew and **Alex Koiter** attended the Canadian Water Resources Association annual meeting in Montreal, 24-27 May 2016. They gave oral presentations within a session on sediment fingerprinting, and Alex led a workshop on the use of Bayesian mixing models within the sediment fingerprinting technique.

Dr. Chris Johnson was in Kamloops this past week (May 30th) attending the meeting of the Forestry and Sustainable Resource Management Articulation Committee.

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TRAVEL & CONFERENCES (con't)

Phil Owens and **Ellen Petticrew** attended the European Geosciences Union annual meeting in Vienna, Austria in April 2016 which was attended by over 13,000 scientists. They co-organized two sessions on sediment dynamics and contaminants in watersheds and presented several posters. Phil also gave an invited talk.

Paul Sanborn attended the annual conference of the Canadian Society of Soil Science, held May 15-18 at Thompson Rivers University in Kamloops, and was involved in two presentations:

P. Sanborn. Incorporating field experience in an online pedology course (oral)

C.E. Bulmer, **P. Sanborn**, & I. Giesbrecht. Digital soil mapping in a hypermaritime coastal watershed: British Columbia (poster)

Paul is currently doing soils field work on Calvert Island, June 2-10, and will be assisting with the field pedology course organized by the Pacific Regional Society of Soil Science in the south Okanagan, June 13-16.

Roger Wheate presented a talk on "The National Topographic Database and Mountain Cartography", at the 10th International Mountain Cartography workshop at the Carl Von Stahl Haus near Berchtesgaden in the German/Austrian Alps, April 26-29. He also attended the 3rd Living Planet Symposium in Prague, Czech Republic, May 9-13.



Prague, Czech Republic

IN THE NEWS

The Canadian Science Publishing Blog

Women in Science: Dr Kathy Lewis

The NRESi's own, **Dr. Kathy Lewis** is featured in the thirteenth post of an on-going series authored by Dr. Sarah Boon on Canadian women in science and published in the Canadian Science Publishing blog. The article chronicles Kathy's journey from her first interest in forests and conservation as a child, through her university training and early work experience for government, industry and as a consultant, culminating in her hiring as one of the first faculty members at UNBC. She also discusses the challenges of balancing family and career in the academic sector. The article ends with some advice from Kathy to women interested in science careers. "Follow whatever you're interested in. If you leave enough doors open by doing well in school, or getting involved as a volunteer so people get to know you, opportunities will arise that you'll be ready to take."

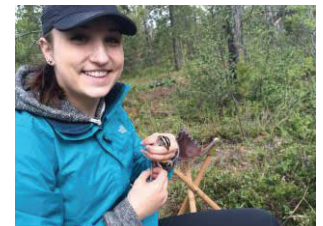
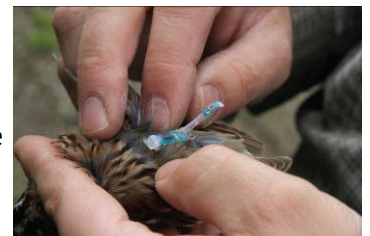
Read the article at <http://www.cdnsiencepub.com/blog/women-in-science-dr-kathy-lewis.aspx>

IN THE NEWS



Dr. Ken Otter was recently featured on CKPG television in a news story discussing and demonstrating a live-capture and release bird study involving the white-throated sparrow. This species has only recently started to appear in the Prince George and surrounding area. The captured birds are being tagged with geo-locators that will trace their movements and help determine where they are wintering—Texas or California. To view the entire interview visit—[http://](http://www.ckpg.com/2016/05/26/live-capture-and-release/)

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IN THE NEWS

Field Education Centre—Aleza Lake Research Forest

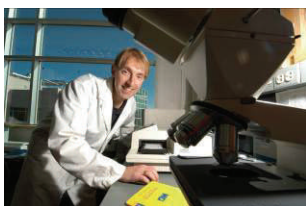
A unique log and timber building and classroom officially opened its doors at the Aleza Lake Research Forest on Wednesday, May 11, 2016. The 1,200 square foot Field Education Centre (FEC) of log and timber construction provides a great space for the university's faculty and students, for outdoor learning, field courses and research in forest ecology, forest and ecosystem management and environmental studies. It is also available to host meetings, retreats, training and community events. The FEC will be operated by the Aleza Lake Research Forest Society on a cost recovery basis. It is available for elementary and high school classes, community groups, the forest sector, and local industry for educational and training events (alrf.unbc.ca). The Centre can also provide some overnight accommodation for field researchers and crews, and community groups, from time to time. Befitting its forest setting, the Aleza Field Education Centre strongly incorporates and highlights northern BC wood in almost all facets of its construction, with a high level of craftsmanship throughout. Its construction, spread over two years, included the expertise of 8 local contractors, and materials and supplies from 13 additional local businesses. Construction of the building would not have been possible without the generous support of Dunkley Lumber, the Moss Rock Park Foundation and Integris Credit Union. The Aleza Lake Research Forest began as a B.C. Forest Service Experiment Station in 1924. It was the first experiment station of its kind in the province. Its history spans over nine decades. In 2000, the non-profit Aleza Lake Research Forest Society was established to manage the forest, in collaboration with UNBC.



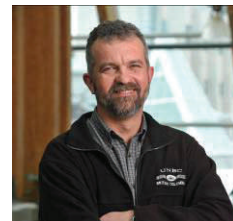
IN THE NEWS

Four NRESi members were honoured at the UNBC Convocation ceremonies held on May 28, 2016.

Dr Russ Dawson received the *Excellence in Research* award for his leading edge research on the reproductive strategies of birds (<http://web.unbc.ca/~dawson/research.htm>).



Dr. Mark Shrimpton received the *Excellence in Teaching* award for his excellent teaching in the area of fisheries biology, especially in support of the Wildlife and Fish Ecology major at UNBC.



Dr. Darwyn Coxson received the *Excellence in Professional Practice, Mentorship or Stewardship Award* for his role in the creation of the Ancient Forest/Chun T'oh Wudujut Park.



Dr. Staffan Lindgren was bestowed the title of *Professor Emeritus*.

congratulations

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)

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IN THE NEWS

(Government press releases)

WildsafeBC receives \$275,000 to reduce human-wildlife conflicts.

June 2, 2016—Victoria. Every year British Columbians are involved in human-wildlife conflicts. To reduce these potentially dangerous situations, the Province has once again awarded WildSafeBC \$275,000 to provide education and increase awareness in communities.

[For more details...](#)

Cranbrook snowmobilers work to protect caribou

June 2, 2016—Cranbrook. A stewardship management agreement between the Cranbrook Snowmobile Club and the Ministry of Forests, Lands and Natural Resource Operations will help protect endangered mountain caribou from snowmobilers.

[For more details...](#)

Prince George district surpasses reforestation milestone.

June 2, 2016—Prince George. Business and industry leaders, members of the public, First Nations and local politicians gathered to celebrate a local milestone today in Prince George – the planting of the one-billionth tree in the Prince George Natural Resource District since planting began in the area in 1959.

[For more details...](#)

Factsheet: Integrated Silviculture Strategies

June 1, 2016—Victoria. British Columbia is committed to sustainable forest management. A key element of that are silviculture practices. Effective silviculture practices help control the establishment, growth, composition, quality and harvest of forest vegetation for various forest resource objectives.

[For more details...](#)

Valemount celebrates unveiling of new Cranberry Marsh boardwalk

May 30, 2016—Valemount. Just in time for Tourism Week, the Village of Valemount is celebrating the opening of the new Cranberry Marsh boardwalk thanks in part to \$291,120 in Resort Municipality Initiative (RMI) funding.

[For more details...](#)

New exemption regulation under the Environmental Assessment Act

May 19, 2016—Victoria. Cabinet has approved an order-in-council for an exemption regulation under the *Environmental Assessment Act* to exempt previously approved, and constructed projects from requiring an environmental assessment certificate in response to a recent court ruling.

[For more details...](#)

Geoscience data gets B.C. resource projects to “yes”

May 18, 2016—Victoria. To further support its work in encouraging mineral, coal, and oil and gas exploration investment in British Columbia through the collection and distribution of publicly available geoscience data, Energy and Mines Minister Bill Bennett announced today that the Province will provide \$5 million in funding to Geoscience BC.

[For more details...](#)

School kids taking part in Moberly Lake trout conservation efforts

May 17, 2016—Chetwynd. Fifty elementary students will help release 14,000 lake trout into Moberly Lake as part of an ongoing effort to restore the species in its historic habitat.

[For more details...](#)

B.C. and Coastal First Nations sign LNG agreement

May 17, 2016—Victoria. British Columbia is working in partnership with the Wuikinuxv, Heiltsuk, Kitasoo/Xaixais, Gitga'at, and Metlakatla First Nations toward the goal of establishing the cleanest LNG industry in the world.

[For more details...](#)

Vanderhoof issued community forest

May 13, 2016—Vanderhoof. Residents of Vanderhoof are positioned to benefit from added economic stability, employment opportunities and increased local forest stewardship through the creation of the Vanderhoof Community Forest.

[For more details...](#)

Public input invited on Quesnel Timber Supply Area

May 11, 2016—Victoria. Comments are being accepted until July 15, 2016, on a discussion paper released today as part of a comprehensive timber supply review for the Quesnel Timber Supply Area.

[For more details...](#)

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IN THE NEWS

(Government press releases)

Forest compensation fund receives boost, silviculture sector now included

May 6, 2016—Victoria. The Province is providing a \$1-million lift to the Forestry Service Providers Compensation Fund to protect eligible forestry contractors and service providers in the event of licensee insolvency. [For more details...](#)

Update: Government actions to save endangered caribou.

May 3, 2016—Victoria. Wolf removal activities to help save endangered caribou herds in the South Selkirk Mountains and South Peace have concluded for the second year of the five-year wolf removal project. [For more details...](#)

British Columbia proclaims May as Invasive Species Action Month

Apr 30, 2016—Victoria. The B.C. government has proclaimed May 2016 as “Invasive Species Action Month” to help raise awareness of the environmental and economic damage that invasive plants and animals can cause if they become established in the province. [For more details...](#)

Statutory Decision makers authorize Mount Polley Mine permit amendment

Apr 29, 2016—Victoria. Statutory decision-makers with the Ministry of Energy and Mines and the Ministry of Environment have authorized an amendment of the restricted operations permits for Mount Polley Mining Corporation, allowing the mine to extract an additional one million tonnes of ore. [For more details...](#)

British Columbia protects old growth forests in South Coast Region

Apr 28, 2016—Victoria. The B.C. government has established 6,482 old growth management areas (OGMAs) under the Oil and Gas Activities Act, Forests, Lands and Natural Resource Operations Minister Steve Thomson has announced. [For more details...](#)

Pacific Institute for Climate Solutions (PICS) news

Congratulations to three PICS-supported students who graduated last week!

Alex Schare (PhD NRES)
Thomas Cheney (MA NRES)
Wyatt Klopp (MSc NRES)



PUBLICATIONS

Cheryl Teelucksingh, Blake Poland, **Chris Buse** and **Rebecca Hasdell**. 2016. [Environmental justice in the environmental non-governmental organization landscape of Toronto \(Canada\)](#). The Canadian Geographer / Le Géographe canadien. DOI:10.1111/cag.12278

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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 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](#).

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