



NRES WEEKLY NEWS

January 24 - 28, 2011

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

COMING EVENTS

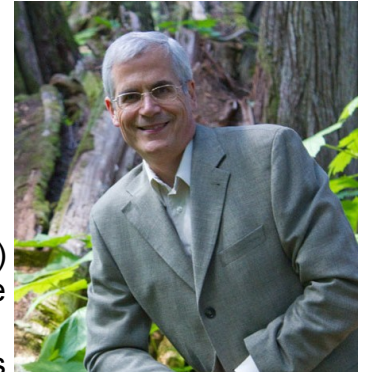
NRESI RESEARCH COLLOQUIUM SERIES

This Friday

Gerald Kutney, Ph.D.

**Managing Director,
Sixth Element Sustainable Management**

Bioenergy & Climate Change



We are in the “carbon century”, the moniker that has opened the new millennium. Anthropogenic carbon dioxide (CO₂) and other greenhouse gas (GHG) emissions especially from electricity generation and the driving of vehicles are pushing our planet’s ecosystems toward a state of anarchy, as we are emitting 1,000 tones of carbon dioxide every second. The scientific evidence indicates conclusively that our consumption of fossil fuels has begun to destabilize the Earth’s atmosphere, resulting in the potential calamity known as climate change. We will present an overview of the latest information on climate change. Among the renewable energy sources (RES) available to combat climate change is bioenergy. Bioenergy represents a vast array of processes and technologies. We will examine the various options. Can we defeat climate change with bioenergy? Can we defeat climate change without bioenergy?

January 21, 2011

3:30 - 4:30 pm

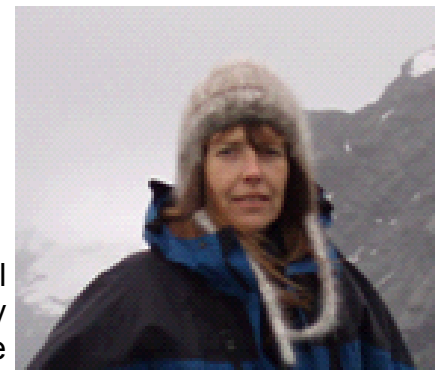
Lecture Theatre 7-150

Next Friday

Dr. Marianne Douglas

**Director, Canadian Circumpolar Institute
University of Alberta**

Environmental Change in Canada’s High Arctic: Past to Present



High latitude regions are exhibiting high rates of changing environmental conditions in part related to polar amplification. Paleolimnology, the study of lake sediments, can be used to assess the rate and effect of these changes to the terrestrial system and to reconstruct past natural baseline conditions. Our investigations of aquatic ecosystems over the past two decades reveal that they are undergoing important changes in their physical, chemical and biological characteristics. Understanding these changes provides insight into what future arctic conditions may prevail. In this presentation I will use examples from our research on lakes and ponds in the Canadian High Arctic to show some of the practical applications of paleolimnology in studying regional climate change, archaeology and airborne pollutants.

January 28, 2011

3:30 - 4:30 pm

Lecture Theatre 7-150

For Elluminate information and link to the webcast: http://www.unbc.ca/nres/nresi_webcast.html
For a list of upcoming seminars: <http://www.unbc.ca/nres/seminar/>

FISH AND WILDLIFE COMPENSATION PROGRAM*presents:***Richard Cannings****Biologist
Award winning author****British Columbia: A Natural History**

From rich ocean currents to arid grasslands and towering rainforests to wind-blown alpine meadows, British Columbia has the most diverse natural heritage of any province of Canada. This is the story of that heritage and the people that explore it.

February 4, 2011

3:30 - 4:30 pm

Lecture Theatre 7-238

OTHER COMING EVENTS

GLOBAL FRIDAYS
LIBRARY 5-183
12:00 - 1:30 pm

January 29, 2011
Rob Huebert, University of Calgary

"International Arctic Security—Talking Cooperation But Preparing for Conflict"

UNBC NORTHERN HEALTH SCIENCES CENTRE

January 27, 2011 at 12:00
Room 9-235

Clinical Genomics and Personalized Medicine — PRESENTATION AND FILM**"Sequence Me"** — winning film from the 2010 Gene Screen BC Film Competition

Presenters: Shelin Adam MSc
Research Genetic Counselor
BCCGN Network Coordinator
ashelin@interchange.ubc.ca
604-875-2000 ext 6063

Lesley Phillips PhD
BCCGN Business Manager
lesleyp@interchange.ubc.ca
604-875-2000 ext 5980

Assisted Migration — free online Webinar**February 22, 2011**

Assisted migration has recently emerged as a relevant climate change adaptation strategy in the context of forest management. This webinar will provide forestry practitioners, researchers and conservation practitioners with increased awareness and access to the latest information in assisted migration as a climate change adaptation strategy in forest management in BC. The webinar will consist of two consecutive 30 minute online presentations followed by 15 minute questions/discussion periods. The first presentation will discuss the concept of assisted migration and the rationale for its application in BC. The second presentation will focus on what is being done in BC related to assisted migration, touching base on pilot/experimental projects, ongoing research efforts, recent findings, expected results, environmental risks considerations, and monitoring efforts. For both presentations, FORREX is very pleased to have Greg O'Neill (Research Scientist, Kalamalka Forestry Centre) as our guest speaker, who will share with the audience his knowledge and expertise on this topic. Registration for this webinar is now open.

For more details: <http://www.forrex.org/news/event.asp?pkey=509>

GRADUATE THESIS DEFENCES

Ms. Tullia Upton is a candidate for the degree:

Master of Science in Natural Resources and Environmental Studies

Ms. Upton will be defending her thesis entitled:

“Persistence of Soil Moisture in the Cariboo Mountains, British Columbia”

Supervisor: Dr. **Stephen Déry**

Date: **January 27, 2011**

Time: **9:00 am**

Room: **6-305**

https://cms.unbc.ca/assets/nres/defences/110127_upton.pdf

PUBLICATIONS

Eramus, Danie (2011) “Exploring Turnagain by Horse and Beaver.” *BC Outdoors Fishing* 67(1): 35-39

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

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

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO MICHELLE KEEN: keenm@unbc.ca