



Session Presentation Schedule*

Friday, October 2, 2009

Traditional Knowledge
1:00 pm – Gym

Stephanie Meakin Inuit Circumpolar Institute of Canada, Canada
Polar Science and Inuit Traditional Knowledge: Two Ways of Knowing

Sonja Ostertag University of Northern British Columbia, Canada
Mentoring and Training Opportunities in Northern Research **Jennie Knopp**

Alexander Oehler University of Northern British Columbia, Canada
Mobility as Adaptive Measure to Multiple Stress Factors Among Inuit

Kaitlin Breton-Honeyman Trent University, Canada
Investigation of Beluga Habitat Ecology Through Traditional Ecological Knowledge (TEK) in Northern Quebec

Jennie Knopp Trent University, Canada
Linking Scientific and Traditional Knowledge to Determine Effective Indicators of Change in Arctic Charr (Salvelinus alpinus) for use in Community-based Monitoring Plans

Arctic Ecosystem
1:00 pm – Room 1440

Grant Humphries University of Alaska Fairbanks, USA
Modelling Arctic DMS: How Machine Learning Algorithms and GIS Can be Used to Predict Accurately the Condition of the Arctic Ecosystem

Julie Veillette Université Laval, Canada
High Arctic Lakes in Transition: Ice cover, Phytoplankton and Contaminants

Marta Ronowicz Polish Academy of Science, Poland

Patterns of Hydroids Distribution and Biodiversity in the Dynamic and Changing Arctic Fjord Ecosystem - Hornsund, Spitsbergen

Lauren MacDonald University of Waterloo, Canada
Development and Application of Benthic Algal Sampling Protocols for Assessing Environmental Change in the Old Crow Flats

Tommy Harding Université Laval, Canada
Microbial Diversity in High Arctic Snow and Implications for the Cold Biosphere

Wildlife

1:00 pm – Room T 1023

Jennifer Provencher

University of Victoria, Canada

Changes in Adult Thick-billed Murre Diet in the Eastern Canadian Arctic Since the 1970s in Light of Changing Environmental Conditions

Emily Weiser

University of Alaska Fairbanks, USA

Effects of a Change in Garbage Management on Glaucous Gull Diet in Barrow, Alaska

Jean-Francois Therrien

Université Laval & Centre d'études Nordiques, Canada

Reproductive Success and Long-distance Movements of Snowy Owls: Is this Top Arctic Predator Vulnerable to Climate Change?

Alexandra Taylor

Stockholm University, Sweden

Habitat Preference of the Grey-sided Vole in Northern Sweden

Kryia Dunlap

University of Alaska Fairbanks, USA

Sled Dogs, Mercury and Anti-oxidants along the Yukon River

Aboriginal Culture

3:30 pm – Gym

Tristan Pearce

University of Guelph, Canada

Generation and Transmission of Environmental Knowledge and Land Skills Among Inuit in Ulukhaktok, Northwest Territories, Canada

Tiarella Hanna

University of Alberta, Canada

Assessing Socio-economic Trade-Offs: A Study on Sahtu Harvesting Patterns of the Northwest Territories Barren Ground Caribou Herds

Louise Drapeau

University of Ottawa, Canada

The Impact of Residential Schools on Traditional Dene Children Songs

Miriam Harder

McGill University, Canada

The Impact of Residential Schools on Traditional Dene Children Songs

Arctic Ecosystem

3:30 pm – Room 1440

Alex Himschoot

University of Alaska Fairbanks, Bristol Bay Campus, USA

Place-based Environmental Science Education by Establishing Local Baseline Vegetation Data for Nushagak Bay, Alaska

Allison Ritcey

University of New Brunswick, Canada

Stream Ecosystem Structure and Function in the Torngat Mountains National Park, Labrador

Kathryn Thomas

University of Waterloo, Canada

The Good, the Bad, the Slimy: Analysis of the Application of Algae for Biomonitoring Protocols for the Nahanni River Watershed and Other Northern Rivers

Rava Kirievskaya
Assessment of Luga Bay Ecosystem

St. Petersburg State University, Russia

Wildlife
3:30 pm – Room T 1023

Shirley Roburn Concordia University, Canada
A Sea Change in Arctic Ocean Governance: Incorporating Acoustic Territories

Heather Milligan Canada
Tracking Wildlife Research and Community Partnership in James Bay

Kim Jochum University of Veterinary Medicine Hannover, Germany
Individual Recognition in Polar Bears – Lessons from Data-Mining for Animals with a Socially Complex Community Structure

Vicki Sahanatien University of Alberta, Canada
Polar Bear Sea Ice Habitat Selection in the Seasonal Sea Ice Ecoregions of Foxe Basin and Hudson Bay, Canada

Saturday, October 3, 2009

Polar Programs and Expeditions
9:30 am – Gym

Suzanne de la Barre University of Alberta, Canada
When the Field is Home: My Yukon Research Journey

Julie Veillette (for Josee Michaud) ArcticNet, Université Laval, Canada
Polar Data Catalogue: A New Tool for Northern Research, Collaboration and Outreach

Pierre-Andre Forest & Lawrence Duffy University of Lapland, Finland/UAF, USA
Networking Through Change: The UArctic approach

Glaciology
9:30 am – Room 1440

Amber Church Simon Fraser University, Canada
Recent Deglaciation of the Upper Wheaton River Watershed, Yukon

Thomas Lakeman University of Alberta, Canada
Revised Late Wisconsinan Ice Margins for Central Banks Island, NWT: New Constraints on the Northeast Extremity of Beringia

Elisabeth Hall University of Alberta, Canada
Late Irvingtonian – Early Rancholabrean Microtines in the Lower Old Crow Basin, Yukon Territory

Arctic Ecosystem
9:30 am – Room T 1023

Sarah Verma York University, Canada
Temperature and Moisture Impacts on the Carbon Budget of a Polygonized Peat Plateau in the Hudson Bay Lowlands

Leanne Dunne University of Winnipeg, Canada
Water Quality of Selected Wetland Habitat Near Churchill, Manitoba

Laura Brosius University of Alaska Fairbanks, USA
Determining Organic Matter Sources for CH₄ Production and Bubbling from Alaska Lakes using Stable Isotopes and Radiocarbon Ages

Northern Economic Development
11:00 am – Gym

Embla Eir Oddsdottir University of Akureyri, Iceland
Analyzing Risk Factors: Increasing Economic activity in the North and Coastal Communities in Iceland

Kim Hardy Cape Breton University, Canada
Cooperation in the North: Understanding Cooperatives in the Yukon

Jennifer Alsop Carleton University, Canada
The Role of Cooperative Enterprise in the Social Economy of Repulse Bay

Adaptation to Climate Change
11:00 am – Room 1440

Tania Giberyen Centre d'Etudes Nordiques, Université Laval, Canada
Community Planning in Nunavik

Jennifer Fresque Wilfrid Laurier University, Canada
The Role of Place-identity in Climate Change Adaptation in Canada's North

Jenn Robus Trent University, Canada
The Impact of Climate Change on the Use and Dependence of Waterfowl by First Nations in the Hudson Bay Lowland

Vegetation Changes 1: Plant Growth
11:00 am – Room T 1023

Nicole Wunderlich University of Saskatchewan, Canada
Long-term Effects of Industrial Disturbance and Seeding Treatments on Vegetation Recovery in the MacKenzie Delta region, Northwest Territories, Canada

Sara Kuleza Churchill Northern Studies Centre, Canada
*ITEX in Churchill, Manitoba: The Effects of Experimental Warming on *Dryas integrifolia* (Arctic Aven) and Dry Upland Tundra Soils*

Sara Pieper

University of Saskatchewan, Canada

Alpine Plant Responses to Experimental Warming Treatments and Natural Temperature Variation: A Long-term Study From southern Yukon, Canada

Northern Economic Development

1:00 pm – Gym

Andrew Hodgkins

University of Alberta, Canada

Reappraising Canada's Internal Colonies

Paul Koke

University of Northern British Columbia, Canada

The Impact of Mining Development on Subsistence Practices of Indigenous Peoples: Lessons Learned from Northern Quebec and Alaska

Michelle Borowitz

University of Alberta, Canada

Northern River Development: Hydroelectric Dam Projects on the Peace and Slave Rivers and Dam Resistance Movements

Gerlis Fugmann

Justus Liebig University Giessen, Germany

Changes in Economic Development in Nunatsiavut (Northern Labrador): Impacts on the Community of Nain

Adaptation to Climate Change

1:00 pm – Room 1440

Jocelyn Inksetter

Lakehead University, Canada

Studying Polar Climate Change, a Changing Economy and the Women of Qikiqtarjuaq, Nunavut

Renate Treffeisen

Foundation Alfred Wegener Institute for Polar and Marine Research, Germany

The New Regional Climate Office for Polar Regions and Sea Level Rise

Anna Degteva

St. Petersburg State University, Russia

Indigenous Adaptation to Change in the Arctic: The Case of Reindeer Herders and Loss of Grazing Land in Yamal-Nenets Autonomous Okrug, Russia

Andrea Rawluk

University of Alberta, Canada

Arctic Intergenerational Perspectives on the Future

Vegetation Changes 1: Plant Growth

1:00 pm – Room T 1023

Stef Bokhorst

University of Sheffield, UK

Impacts of Extreme Winter Warming Events on Sub-Arctic Dwarf Shrub Communities: Consistent Evidence from an Experimental Manipulation and a Natural Event

Julia Wdowlak

Lakehead University, Canada

Simulated Climate Change Effect on a High Arctic Dominant Plant, Cassiope Tetragona

Aditi Shenoy

University of Alaska Fairbanks, USA

Growth Responses to Burn Severity Amplify Initial Vegetation Recruitment Patterns in Boreal Forests of Interior Alaska

Rebecca Hewitt University of Alaska Fairbanks, USA
Going Underground: The Role of Mycorrhizal Fungi in Promoting or Inhibiting Post-fire Seedling Establishment

Becky Baird University of Alaska Fairbanks, USA
Assessment of Change in Vegetation Index in an Interior Alaska Boreal Forest

Sunday, October 4, 2009

Polar Programs and Expeditions
9:30 am – Gym

Carla Jellum University of Otago, New Zealand

Antarctica as a Recreation Resource: Interpreting Participant Values

Erin Neufeld University of Canterbury, New Zealand
A Place on the Ice: The Stories, Images and Experiences that Make New Zealand's Antarctica

Marty Bergmann Polar Continental Shelf Program, NRC, Canada
Polar Continental Shelf Program and the Changing Face of Infrastructure and Logistical Needs for Research in the Canadian Arctic

Oceans and Atmosphere
9:30 am – Room 1440

Agata Durkalec Trent University, Canada
Community-based Sea Ice Monitoring Networks in Nunavik and Nunatsiavut

Benjamin Lange University of Alberta, Canada
Establishing an Ice Thickness Observation System with Coastal Northern Communities

Alexandra Smirnova St. Petersburg State University of Aerospace
Instrumentation, Russia
The Biological Active Zones and their Spatial and Temporal Variability Results of Comprehensive Aerospace Investigations of the Seas White, Greenland and Labrador

Arctic Engineering
9:30 am – Room T 1023

Svetlana Usenyuk Ural State Academy of Architecture and Art, Russia
Towards Sustainable Arctic Technologies Through Exploring Indigenous Wisdom (with reference to Yamal Peninsula, Russia)

Alejandro Reyes Veliz University of Technology Federico Santa Maria, Chile
Research Facilities in Extreme Environments: A low-tech approach to innovative Building Technologies

Michael Golub University of Alaska Fairbanks, USA
Rural Electric Vehicle Utilization Project

Public Policy
11:00 am – Gym

Nick Falvo Carleton University, Canada
Housing and Homelessness Policy in the Northwest Territories

Pascale Bourbonnais University of Montreal, Canada
Arctic Marine Shipping Assessment (AMSA) 2009 Report – Findings and Recommendations: A Geography Graduate Student Perspective

Laura Tucker Transport Canada, Canada
Know Your Arctic Marine Shipping Assessment

Oceans and Atmosphere
11:00 am – Room 1440

Maria Pisareva Lomonosov, Moscow State University, Russia
Large-scale Variability of the Upper Water Masses Characteristics within the Eurasian Basin Observed by ITPs

Rodica Lindenmaier University of Toronto, Canada
Monitoring Ozone Evolution and Other Stratospheric Trace Gases at Eureka, Nunavut During IPY and Beyond

Felicia Kolonjari University of Toronto, Canada
Atmospheric Trace Gas Measurements over Eureka, Nunavut Using the Portable Atmospheric Research Interferometric Spectrometer for the Infrared (PARIS-IR) and Atmospheric Chemistry Experiment Fourier Transform Spectrometer (ACE-FTS)

Health
11:00 am – Room T 1023

Michelle Doucette-Palmer University of Ottawa, Canada
The Circumstances of Food Security Among Canadian Inuit Women: Understanding Pregnancy, Nutrition and Health in the Arctic

Julie Bull Dalhousie University, Canada
Authentic Research Relationships to Improve Aboriginal Health?

Andrew Bresnahan University of Toronto, Canada
Health Promotion and Knowledge Translation in the Canadian Arctic: Community-driven Health Research as a Basis for Primary Health Care in the Inuvialuit Settlement Region

Public Policy
1:00 pm – Gym

Falk Huettmann University of Alaska Fairbanks, USA
Profiling the Poles and Conclusions from a Cumulative Impact Assessment of IPY and Public On Line Data: Have We Missed the Mark Already?

Jerald Sabin University of Toronto, Canada
Climate Change, Sustainability and Urbanization in Canada's Eastern Arctic: Lessons for Policy Makers

Kaleigh Milinazzo University of Northern British Columbia, Canada
Turbulence under Northern Skies: An Analysis of Consensus Government in the Northwest Territories

Harry Borlase University of Akureyri, Iceland
Securing a Sustainable Future in the Arctic: Engaging and Training the Next Generation of Northern Leaders

Hydrology
1:00 pm – Room 1440

Matthew Ennis Wilfred Laurier University, Canada
A 1200-year Record of Hydrologic Variability in the Slave River System

Peter Morse Carleton University, Canada
Flood Extent Modelling, Kendall Island Bird Sanctuary, MacKenzie Delta, Northwest Territories

Joel Homan University of Alaska Fairbanks, USA
Dimensionless Snow Melt Depletion Curves Using MODIS-derived SCA for Improved Hydrologic Modelling

Kevin Turner Wilfrid Laurier University, Canada
Using Water Isotope Tracers to Investigate Spatial and Temporal Variability in Lake Water Balances in the Old Crow Flats, Yukon

Erin Trochim University of Alaska Fairbanks, USA
Investigating Water Tracks in the Foothills of the Alaskan Arctic

Health
1:00 pm – Room T 1023

Philip Loring University of Alaska Fairbanks, USA
Health Vulnerabilities to Climate Change in Rural Alaska, an Epidemiological Approach

Katelyn Friendship Trent University, Canada
Contaminants and Effective Risk Assessment and Risk Communications in the Circumpolar North

Francoise Proust Université Laval, Canada
Impact of Marine Food Intake on Cardiovascular Risk Factors Among Inuit of Nunavik (QC)

Brian Laird University of Saskatchewan, Canada
Bioaccessibility of Mercury from Traditional Northern Country Foods Measured Using an In Vitro Gastrointestinal Model is Independent of Mercury Concentration

Monday, October 5, 2009

Community-Based Research
9:45 am – Gym

Brendan Griebel University of Toronto, Canada
A Change for the Better? The Role and Challenge of Community Archaeology in Nunavut

Tekke Terpstra University of Groningen, Netherlands
Arctic Social Scientists and Fieldwork in Urban Areas: The case of Greenlandic Migrants in Danish Cities

Rosa Thorisdottir
Images as Research Documents

University of Paris VII, France

Ann Balasubramaniam
Beyond Data Collection: The Benefits of a Participatory Research Approach

University of Waterloo, Canada

Suzanne Robinson
Take it from the Top: Northern Perspectives on Southern Canada, Newcomers to the North and the Northern Land and People Through Northern Eyes and Voices

University of Essex, UK

Soil
9:45 am – Room 1440

Ivan Sudakov
Storage of Greenhouse Gases in Permafrost: The Problem of the Carbon Bomb

Nansen International Environmental and Remote Sensing Centre, Russia

Santosh Panda
Remote Sensing Based Near-surface Permafrost Distribution Mapping in a Section of the Proposed Gas Pipeline Corridor, East Central Alaska

University of Alaska Fairbanks, USA

Pascale Roy-Leveille
Permafrost Degradation Around Thermokarst Lakes in Old Crow Flats, Yukon

Carleton University, Canada

Kate Edwards
Soil Microbial Declines in Arctic Sedge Meadows During Thaw: Death by Starvation or Death by Drowning?

University of Toronto, Canada

Vegetation Changes II: Treeline Dynamics
9:45 am – Room T 1023

Sean Sweeney
Environmentally Induced Interactions of Climate and Tree Growth at the Arctic Treeline

University of Northern British Columbia, Canada

Andrew Trant
Slow Moving Trees in a Fast-paced Environment: A Story of Forest Dynamics at the Treeline in Labrador

Memorial University, Canada

Xanthe Walker
The Dynamics of White Spruce at its Northern Range Limit, Canada

University of Northern British Columbia, Canada

Isla Myers-Smith
Is Alpine Shrub Line Expansion Driven by Recent Summer Warming?

University of Alberta, Canada

**Schedule is subject to change*