



## Table of Contents

1. Workshop Program – Overview	2
2. Detailed Workshop Program	
Tuesday, February 16, 2010	3
Wednesday, February 17, 2010	4
Thursday, February 18, 2010	5
3. Concurrent Sessions	
Overview	6
Detailed Description	7
4. Poster Sessions	17
5. Associated Events	22
6. Venue: Fairmont Château Laurier	24
Appendix A: Canada’s IPY Projects	25



## Workshop Program – Overview

Note: All Plenary Sessions and Panel Discussions will take place in the Ballroom. Check Detailed Program for location and topics of Concurrent Sessions.

### Tuesday, February 16, 2010

Time	Session
8:30-9:00	Registration & Poster Set-Up
9:00-10:15	Plenary Session: Canada's International Polar Year 2007-2008 International Polar Year 2007-2008
10:15-10:45	Health Break
10:45-12:00	Plenary Session: Climate Change Impacts & Adaptations Health & Well-Being of Northern Communities
12:00-13:30	Lunch (on your own)
13:30-15:00	Concurrent Session 1 (includes Canadian Arctic Research Licensing Initiative (CARLI) I: Health, Social Science and Ethic Research Licensing)
15:00-15:30	Health Break
15:30-17:00	Concurrent Session 2
17:00-19:00	Reception and Poster Session

### Wednesday, February 17, 2010

Time	Session
9:00-10:15	Concurrent Session 3
10:15-10:30	Health Break
10:30-12:15	Panel Discussion: Integrating IPY Science
12:15-13:30	Lunch (on your own)
13:30-15:00	Concurrent Session 4
15:00-15:30	Health Break
15:30-17:00	Concurrent Session 5

### Thursday, February 18, 2010

Time	Session
9:00-12:00	Plenary Session Applying Science
12:00-12:15	Closing Remarks
12:00-1:00	Lunch (on your own)
1:00-2:30	CARLI II: Bio-Physical Research Licensing in the North



## Tuesday, February 16, 2010

### **8:30-9:00 Registration and Poster Set-Up**

Ballroom Foyer & Ballroom, Fairmont Château Laurier

### **9:00-10:15 Plenary Session**

Ballroom, Fairmont Château Laurier

#### **WELCOME AND OPENING REMARKS**

#### **Canada's International Polar Year 2007-2008**

Patrick Borbey, Northern Affairs Organization, Indian and Northern Affairs Canada

#### **Emerging Themes and Activities from IPY 2007-2008**

David Carlson, International Polar Year International Program Office

### **10:15-10:45 Health Break**

Ballroom Foyer, Fairmont Château Laurier

### **10:45-12:00 Plenary Session**

Ballroom, Fairmont Château Laurier

#### **OVERVIEW OF CANADA'S IPY RESEARCH THEMES**

#### **Change and Consequence: A Marine Perspective**

Eddy Carmack, Fisheries and Oceans Canada

#### **Health and Well-Being of Northern Communities**

Susan Chatwood, Institute of Circumpolar Health Research

### **12:00-13:30 Lunch**

### **13:30-15:00 Concurrent Session 1** (see detailed program for locations)

### **15:00-15:30 Health Break**

Ballroom Foyer, Fairmont Château Laurier

### **15:30-17:00 Concurrent Session 2** (see detailed program for locations)

### **17:00-19:00 Reception and Poster Session**

Ballroom and Ballroom Foyer, Fairmont Château Laurier



## Wednesday, February 17, 2010

**9:00-10:15 Concurrent Session 3** (see detailed program for locations)

### **10:15-10:30 Health Break**

Ballroom Foyer, Fairmont Château Laurier

### **10:30-12:15 Panel Discussion**

Ballroom, Fairmont Château Laurier

## **Integrating IPY Science**

**Chair:** Sarah Kalhok Bourque, International Polar Year Federal Program Office

**Panellists:**

Anne Walker, Environment Canada (CC-071)

David Barber, University of Manitoba (CC-003)

Fred Wrona, Environment Canada (CC-080)

Karen Harper, Dalhousie University (CC-027)

Don Russell, Yukon College/Environment Canada (MD-126)

**12:15-13:30 Lunch**

**13:30-15:00 Concurrent Session 4** (see detailed program for locations)

### **15:00-15:30 Health Break**

Ballroom Foyer, Fairmont Château Laurier

**15:30-17:00 Concurrent Session 5** (see detailed program for locations)



**Thursday, February 18, 2010**

**9:00-12:15 Plenary Session**

Ballroom, Fairmont Château Laurier

**Chair:** Peter Harrison, Queen's University

**IPY SCIENCE TO POLICY AND THE PUBLIC**

**Northern Perspectives on Knowledge and Information Needs**

Stephanie Meakin, International Circumpolar Council (Canada)

**Knowledge Translation in Health Research**

Michelle Gagnon, Canadian Institutes of Health Research

**IPY and Science Assessment**

Martin Sharp, University of Alberta

**Communicating Arctic Science**

Ed Struzik, Author

**Applying IPY Science to Climate Change Impacts and Adaptation Policies and Programs**

Don Lemmen, Natural Resources Canada

**Closing Remarks**

Patrick Borbey, Northern Affairs Organization, Indian and Northern Affairs Canada



## Concurrent Sessions - Overview

Tuesday, February 16, 2010

### Concurrent Session 1

	<i>Topic</i>	<i>Room</i>
<b>13:30-15:00</b>	Animals I: Seabirds as Indicators of Change	Burgundy
	Arctic Ocean I: Carbon Cycle	Renaissance
	Terrestrial Systems I: A Trek across the Tundra	Ballroom
	CARLI I: Health, Social Science and Ethic Research Licensing	MacDonald

### Concurrent Session 2

	<i>Topic</i>	<i>Room</i>
<b>15:30-17:00</b>	Animals II: Food Webs across Ecosystems	Burgundy
	Arctic Ocean II: Monitoring a Dynamic Ocean	Renaissance
	Community I: Asking Communities	Ballroom
	Hydrology I: State of the Cryosphere	MacDonald

Wednesday, February 17, 2010

### Concurrent Session 3

	<i>Topic</i>	<i>Room</i>
<b>9:00-10:15</b>	Animals III: Marine Mammals and Related Systems	Burgundy
	Arctic Oceans III: Links to Climate and Atmosphere	Renaissance
	Community II: Human Health	Ballroom
	Hydrology II: Navigating a Changing Cryosphere	MacDonald

### Concurrent Session 4

	<i>Topic</i>	<i>Room</i>
<b>13:30-15:00</b>	Animals IV: Current State of Rangifers	Burgundy
	Atmospheric Processes	MacDonald
	Terrestrial Systems II: Ecosystem Carbon and Methane	Renaissance
	Health Canada Roundtable: Northern Health Research and Community Well-Being	Ballroom

### Concurrent Session 5

	<i>Topic</i>	<i>Room</i>
<b>15:30-17:00</b>	Biodiversity and Change in the Arctic	Renaissance
	Community III: Facing a Changing Environment	Ballroom
	Hydrology III: Freshwater Ecosystems	MacDonald
	IPY Initiatives: Beyond Research	Burgundy

Thursday, February 18, 2010

<b>13:00-14:30</b>	CARLI II: Bio-Physical Research Licensing in the North	MacDonald
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## Concurrent Sessions – Detailed Program

Note: Presenting authors are **highlighted**.

### 13:30-15:00 Concurrent Session 1

#### **Animals I: Seabirds as Indicators of Change**

Burgundy Room, Fairmont Château Laurier

*Chairs:* Bill Montevecchi, Memorial University of Newfoundland

Tony Gaston, Environment Canada

#### Seabirds Help Detect Arctic Ecosystem Change – Early Results and Ongoing Analyses

**W.A. Montevecchi**, A. Gaston, G.K. Davoren, G. Gilchrist, A. Hedd, M. Mallory, L. McFarlane-Tranquilla, C. Burke, J. Allen, P. Regular, J. Provencher, G. Robertson, D. Fifield, K. Elliott, R. Phillips (CC-092)

#### Changes to Marine Ecosystems in the Eastern Arctic – The Evidence of Marine Birds

**A. Gaston**, J. Provencher, K. Elliott, G. Gilchrist, M. Mallory, P. Smith, K. Woo (CC-092)

#### Year-Round Tracking of Murres Reveal Species, Colony and Individual-Species Wintering Locations in the Northwest Atlantic

**L. McFarlane-Tranquilla**, W.A. Montevecchi, A. Hedd, C. Burke, P. Smith, G. Robertson, D. Fifield, A. Gaston, R. Phillips (CC-092)

#### Influence of Temperature on Capelin Spawning (*Mallotus villosus*) and Impacts on Top Predators in Northeastern Newfoundland.

G.K. Davoren, P. Penton, **J. Allen**, C. Burke, W.A. Montevecchi (CC-092)

#### Costs and Benefits of Foraging within Biological Hotspots: Seabird-Capelin Interaction on the Northeast Newfoundland Coast

**J. Allen**, G.K. Davoren (CC-092)

#### Chasing Capelin in Stratified Water: Foraging Strategies of Common Murres indicate Vertical Distribution and Behaviour of Diel Prey.

**P. Regular**, A. Hedd, W.A. Montevecchi, G.K. Davoren, A.D. Buren, C. Burke, D. Fifield (CC-092)

#### Ocean-Climate Influences on the Survival and Breeding of Thick-Billed Murres

**P. Smith**, A. Gaston (CC-092)

#### Tracing Seabirds to Assess Anthropogenic and Climatic Risks in the Northwest Atlantic

**A. Hedd**, C. Burke, W.A. Montevecchi, L. McFarlane-Tranquilla, D. Fifield, G. Robertson, R. Phillips (CC-092)



## Arctic Ocean I: Carbon Cycle

Renaissance Room, Fairmont Château Laurier

*Chair:* David Carlson, International Polar Year International Program Office

### Organic Carbon Metabolism in Arctic Margin Sediments

**C. Gobeil**, R.W. MacDonald (CC-055)

### Carbon Cycling in the Canadian Archipelago

**H. Thomas**, E.H. Shadwick, M. Chierici, F. Dehair, A. Fransson, Y. Gratton, B. Lansard, C. Michel, L.A. Miller, A. Mucci, J. Navez, T. Papakyriakou, J.-E. Tremblay (CC-003/NSERC; CC-110)

### GEOTRACES: Multi-tracer Investigation of the Effect of Climate Change on Nutrient and Carbon Cycles in the Arctic Ocean

R. François, J. Cullen, C. Holmden, M. Kienast, M. Maldonado, A. Mucci, K. Orians, **R. Rivkin**, H. Thomas, P. Tortell, D. Varela (CC-110)

## Terrestrial Systems I: A Trek across the Tundra

Ballroom, Fairmont Château Laurier

*Chair:* Nick Xenos, Northern Affairs Organization, Indian and Northern Affairs

### Climate Change Impacts on Canadian Arctic Tundra Ecosystems (CiCAT): Preliminary Results

**G. Henry**, C. Tarnocai, L. Poissant, V. Johnston, W. Chen, C. Kennedy, S. Grieve, E. Humphreys, I. Laurion, A. Cuerrier, A. Simms, P. Marino, J. Jacobs, L. Hermanutz, C. Laroque, V. Walker, P. Grogan, S. Lamoureux, P. Lafleur, E. Lévesque, M. Garneau, D. Hik, R. Grant, V. St. Louis, M. Tenuta, K. Egger, D. Coxson, B.C. Si, R. Farrell, A. Bedard-Haughn, S. Siciliano (CC-096/NSERC)

### Selection for Ice-Associating Microbes from Geographically-Distant Locations

**S.L. Wilson**, P. Grogan, V.K. Walker (CC-096/NSERC)

### The Role of Predators in Structuring the Arctic Terrestrial Food Web: Preliminary Results from the ArcticWOLVES Project

**G. Gauthier**, D. Berteaux, J. Bêty, P. Legagneux, L. McKinnon, J.-F. Therrien, A. Tarroux, M.-C. Cadieux, C.J. Krebs, D. Reid, D. Morris (MD-021/NSERC)

### Snow Depth and Small Mammal Winter Habitat Choice: A Tundra Fencing Experiment

**D. Reid**, C. Krebs, G. Gauthier, A. Kenney, S. Gilbert, E. Hofer, D. Duchesne, M. Leung, F. Bilodeau (MD-021/NSERC)

## Canadian Arctic Research Licensing Initiative (CARLI) I: Health, Social Science and Ethic Research Licensing

MacDonald Room, Fairmont Château Laurier



**15:30-17:00 Concurrent Session 2**

**Animals II: Food Webs across Ecosystems**

Burgundy Room, Fairmont Château Laurier

*Chair:* Russel Shearer, Northern Contaminants Program, Indian and Northern Affairs

The Structure of a Marine Food Web during Times of Ice-Cover and Open-Water

**B. McMeans**, M. Arts, A. Fisk (CC-144)

Organohalogen Contaminant Trends in Polar Bears from Western Hudson Bay are influenced by Temporal Changes in Sea Ice Condition in Relation to Climate Change and Diet Shifts

**R. Letcher**, M.A. McKinney, I. Stirling, E. Peacock, N. Lunn, D. Andriashek (CC-020)

Mercury Transfer in Food Webs of Arctic Char (*Salvelinus alpinus L.*) Lakes in the Canadian Arctic

**N. Gantner**, D. Muir, M. Power, R. Pienitz, H. Hintelmann, J. Reist (CC-113)

Engaging Northern Communities in Monitoring Zoonoses of Food Safety Concern

**M. Simard**, B. Blais, B. Elkin, L. Forbes, A. Gajadhar, A. Jones, T. Leighton, O. Nielson, A.J. Rokicki (HW-141)

Community Perceptions on the Importance of Safety of Country Foods in Nunatsiavut

**E. Pufall**, A. Jones (HW-141)

**Arctic Ocean II: Monitoring a Dynamic Ocean**

Renaissance Room, Fairmont Château Laurier

*Chair:* Helen Joseph, Fisheries and Oceans Canada

Towards a Long-Term Climate Monitor of the Three Oceans surrounding Canada: The Canada's Three Oceans Project

**E.C. Carmack**, F.A. McLaughlin, S. Vagle, H. Melling, W. Williams, M. Yamamoto-Kawai, R.J. Nelson, N.K.W. Li (CC-138)

Ocean Freshwater Fluxes through the Canadian Archipelago

**H. Melling**, S. Prinsenber, J. Hamilton, K. Azetsu-Scott, P. Myers, C. Haas, M. Johnston, A. Muenchow, K. Falkner, R. Samelson, H.L. Johnson, J. Wilkinson, P. Gudmansen (CC-135)

Observing and Interpreting the Seasonal Variability of the Oceanographic Fluxes Passing through Lancaster Sound of the Canadian Arctic Archipelago, IPY-CATS Program

**S. Prinsenber**, J. Hamilton, I. Peterson, R. Pettipas (CC-135)

Development of a Modelling Capacity for the Canadian Arctic Archipelago

**P. Myers**, Q. Wang, X. Hu, A. Terwisshca van Scheltinga (CC-135)



## Community I: Asking Communities

Ballroom, Fairmont Château Laurier

*Chair:* Laura Commanda, Institute of Aboriginal Peoples' Health, Canadian Institute of Health Research

### Community Adaptation and Vulnerability in Arctic Regions (CAVIAR)

**M. Andrachuk**, B. Smit, G. Hovelsrud, R. Sydneysmith, D. Armitage, T. Bell, B. Bradshaw, F. Duerden, J. Ford, R. Matthews (MD-059)

### Navigating the Waters of Interdisciplinary Collaboration – How Human Security Provided a Chart and Routes for our Assessment of the Impacts of Oil and Gas Development in the Northwestern Canadian Arctic

**D. Bazely**, G. Slowey, J. Christensen Kereliuk (MD-077)

### Healthy Child Growth in Nunavut – Results from the Nunavut Inuit Child Health Survey

**T. Galloway**, T.K. Young, G.M. Egeland, Nunavut Inuit Health Survey Steering Committee (HW-119)

### Traditional Food Use and Dietary Adequacy among Nunavut Preschool Children

**L. Johnson-Down**, G.M. Egeland, Nunavut Steering Committee (HW-119)

### The Importance of a Community-Based Approach to Health Research in the Arctic – A Case Study

**D. Charette**, S.G. Donaldson, N.C. Doubleday, M. Ip. A. Manning, T. Leech, T. Nancarrow, B. Adlard, B. Grimwood, J. Van Oostdam (CC-027)

## Hydrology I: State of the Cryosphere

MacDonald Room, Fairmont Château Laurier

*Chair:* David Grimes, Environment Canada

### The Thermal State of Permafrost in Canada – Results from the International Polar Year

**S.L. Smith**, A.G. Lewkowicz, C.R. Burn, B. Allard (MD-039)

### The Influence of Climatic Gradient and Permafrost on Surface Net Ecosystem Exchange (NEE) and Soil Respiration along Mackenzie Valley

**N. Startsev**, J. Bhatt (CC-029)

### A Revised Estimate of Net Atmospheric Hg and MeHg Accumulation in Arctic Snow

J. Zeng, **C. Zdanowicz**, D. Lean, J. Bourgeois, D. Fisher, P. Outridge (CC-037)

### Constraining Model Predictions of Snow Albedo Feedback using New Observational Data

**C.G. Fletcher**, P.J. Kushner, H. Zhao, R. Fernandes (CC-071)



**Wednesday, February 17, 2010**

**9:00-10:15      Concurrent Session 3**

**Animals III: Marine Mammals and Related Systems**

Burgundy Room, Fairmont Château Laurier

*Chair:* Martin Fortier, ArcticNet

Global Warming and Arctic Marine Mammals

**S. Ferguson** (MD-112)

Inter-Seasonal and Inter-Annual Variability in Movement Patterns of Eastern Hudson Bay Belugas (*Delphinapterus Leucas*)

**F. Bailleul**, S. Senneville, B. Doidge, V. Lesage, M.O. Hammill (CC-107)

Seabed Geologic Features and Processes and their Relationship with Fluid Seeps and the Benthic Environment in the Northwest Passage

**K.A. Blasco**, S.M. Blasco, R. Bennett, B. MacLean, W.A. Rainey, E.H. Davies, K. Conlan, V. Kostylev, K. Jerosch (IPY#333)

Canadian Arctic SOLAS (Surface Ocean Lower Atmosphere Study): Microbial Dynamics Climate Active Trace Gases in Seawater, Air and Ice

K. Keats, M.S. Hale, **R. Rivkin** (CC-032)

**Arctic Ocean III: Links to Climate and Atmosphere**

Renaissance Room, Fairmont Château Laurier

*Chair: to be confirmed*

Modelling Arctic Storms and Coastal Ocean Processes at the Mackenzie Delta

**W. Perrie**, L. Zhang, A. Hoque, S. Solomon, R. Mulligan, T. Toulany (CC-091)

The Role of Water Vapour and its Associated Latent Heating in Extreme Beaufort Coastal Storm Surge Events

**J.R. Gyakum**, D. Small, E. Atallah, Y.H. Kuo, N. Liu (CC-091)

The International Polar Year (IPY) Circumpolar Flaw Lead (CFL) System Study - An Overview and Update

**D.G. Barber**, C.J. Mundy, T. Papakyriakou, R. Macdonald, Y. Gratton, L. Fortier, M. Gosselin, J. Hanesiak, J. Tremblay, S. Ferguson, G. Stern, S. Meakin, J. Deming, M. Pucko (CC-003)

Team 10 CFL Overview

**S. Meakin**, P. Moss-Davies, S. Nickels, J. Kuptana, C. Bott, Knopp, K. Breton-Honeyman, C. Furgal (CC-003)



## **Community II: Human Health**

Ballroom, Fairmont Château Laurier

*Chair:* Christopher Cornish, Regional Director, Policy, Planning and Evaluation, Health Canada

### Overview and Current Status of the IPY Inuit Health Survey

**C. Lennie**, L. Williamson, M. Wood, Inuvialuit Settlement Region, Nunavut Territory, and Nunatsiavut Steering Committees for IPY Inuit Health Survey: Qanuqitpit, Qanuippitali, Kanuivit (HW-119)

### Review of Study Findings – IPY Nunavut Inuit Child Health Study

**H. Saundy-Unterberger**, I. Sobol, G. Osborne, T.K. Young, L. Williamson, G.M. Egeland, Nunavut Inuit Health Survey Steering Committee (HW-119)

### The Prevalence of Human Papillomavirus and its Impact on Cervical Dysplasia in Northern Canada

**Y. Mao** (HW-068)

### The Viral Hepatitis Northern Network – A Platform for Addressing Viral Hepatitis in the Canadian North

**G. Minuk**, K. Solar, C. Osioy (HW-056)

## **Hydrology II: Navigating a Changing Cryosphere**

MacDonald Room, Fairmont Château Laurier

*Chair:* David Carlson, International Polar Year, International Program Office

### An Overview of Early Results from the IPY Project ‘Variability and Change in the Canadian Cryosphere’

**A. Walker** (CC-071)

### MAGIC 2.0 – Map-Guided Ice Classification System

D.A. Clausi, A.K. Qin, **P. Yu**, M.S. Chowdhury, P. Maillard (CC-071)

### Adaptation of a Radar-Based Technology to Monitor River Ice over Nunavik

**Y. Gauthier**, M. Tremblay, M. Bernier, C. Furgal (CC-071)

### NWT Ice Patch Study

**T. Andrews** (CC-018)



**13:30-15:00 Concurrent Session 4**

**Animals IV: Current State of Rangifers**

Burgundy Room, Fairmont Château Laurier

*Chair:* Anne Kendrick, Inuit Tapiriit Kanatami

The CARMA Network – Tracking the Current Status, Trends and Threats of the World’s Wild Rangifer Herds

**D. Russell**, A. Gunn, L. Kolpashikov (MD-126)

Integrated Scientific and Community-Based Strategies for Monitoring, Detecting and Understanding Endemic and Emerging Infectious Diseases in Caribou and Reindeer

**S. Kutz**, B. Hoar, P. Curry, N. deBruyn, R. Brook, J. Ducrocq, D. Schock, S. Lair, A. Gunn, D. Russell (Supported by biologists in the Governments of Greenland, Yukon, NWT, Nunavut, and Makivik Corporation and the broader CircumArctic Rangifer Monitoring and Assessment Network) (NSERC 4)

Migratory Tundra Caribou Habitat Indicators

**W. Chen**, D. Russell, A. Gunn, B. Croft, W. Chen, R. Fernandes, H. Zhao, J. Li, Y. Zhang, K. Koehler, I. Olthof, R.H. Fraser, S.G. Leblanc, G.R. Henry, R.G. White, G.L. Finstad (CC-096/NSERC)

**Atmospheric Processes**

MacDonald Room, Fairmont Château Laurier

*Chair:* Barrie Goodison, World Meteorological Organization

PEARL Research during International Polar Year

**J.R. Drummond**, T. Duck, J. Sloan, K. Strong, W. Ward, P. Fogal, D. Degenstein, H. Fast, D. Hudak, A. Manson, B. McArthur, T. McElroy, N. O’Neill, M. Shepherd, G. Shepherd, R. Sica, K. Strawbridge, K. Walker, J. Whiteway (CC-090)

Studying the Atmospheric Input of Organic Pollutants and Mercury to the Arctic: the IPY Project of Intercontinental Atmospheric Transport of Anthropogenic Pollutants to the Arctic (INCATPA)

**H. Hung**, A. Steffen, Y. Su, Y.-F. Li, J. Ma, A. Dastoor, A. Cole, D. Durnford, J.N. Westgate, U. Sofowote, B. McCarry, F. Wania, I. D’Sa, E. Sverko (MD-098)

OASIS-CANADA

**J.W. Bottenheim**, S. Netcheva, R.M. Staebler, A. Steffen (MD-065)

Canadian Arctic SOLAS (Surface Ocean Lower Atmosphere Study): Climate-Active Trace Gases in Seawater, Air and Ice

**M. Scarratt**, J. Abbatt, Y. Gratton, R. Leitch, M. Levasseur, A.-L. Norman, R. Rivkin, J.-E. Tremblay, H. Xie (CC-032)

Key IPY Findings about the Effects of Anthropogenic Emissions on the Atmospheric Water Balance and its Implication for Weather and Climate Change

**J.-P. Blanchet**, E. Girard, C. Jones, P. Grenier, R. Munoz-Alpizar, T. Ayash (NSERC 1)



## Terrestrial Systems II: Ecosystem Carbon and Methane

Renaissance Room, Fairmont Château Laurier

*Chair:* Catherine Ste. Marie, Climate Change Science Coordinator, Northern Forestry Centre, Natural Resources Canada

Carbon Mobilization and Utilization Due to Localized Disturbance in High Arctic Watersheds

**S.F. Lamoureux**, M.J. Lafrenière, J.A. Fletcher, B.G. Paulter, A.J. Simpson, M.J. Simpson (CC-053)

Carbon, Plant and Microbial Community Dynamics in the Low-Arctic Tundra

**J.R. Deslippe**, S.W. Simard, W.W. Mohn, S.J. Grayston (MD-037)

Carbon Sequestration Dynamics and Climate Change in Subarctic and Low Arctic Peatlands in the Mackenzie River Valley, Canada

**C. Tarnocai** (CC-029)

Surface Methane Emission along Climatic Gradient and Landscape Position in Mackenzie Valley

**N. Startsev**, J. Bhatti, M. Whiticar (CC-029)

## Health Canada Roundtable: Northern Health Research and Community Well-Being

Ballroom, Fairmont Château Laurier

### 15:30-17:00 Concurrent Session 5

## Biodiversity and Change in the Arctic

Renaissance Room, Fairmont Château Laurier

*Chair:* Steve Woodley, Parks Canada

Early Results from PPS Arctic Canada: Consequences of Climate Change on Treeline Dynamics across Canada

**K. Harper** (CC-027)

Photos and Plants through Time: Collaborative Community Research

N.C. Doubleday, S.G. Donaldson, **M. Ip**, B. Grimwood, D. Charette (CC-027)

Classification and Description of Vegetation Associations in Arctic Regions - An Extension of the Canadian National Vegetation Classification (CNVC)

**C.E. Kennedy**, K. Baldwin (CC-096/NSERC)

Polar Research Observatories for Biodiversity and the Environment (PROBE) – An All-Taxon Barcoding Initiative Reveals New Insights about Arctic Biodiversity

**S. Adamowicz**, R. Gregory, P. Hebert, P. Kevan, R. Roughley, G. Saunders, D. Steinke, X. Zhou (NSERC 2)

Variability in Arctic Zooplankton and Phytoplankton Populations from Instrumented Mooring in Barrow Strait

**J. Hamilton**, K. Collins, S. Prisenberg (CC-135)



## Community III: Facing a Changing Environment

Ballroom, Fairmont Château Laurier

*Chair:* Scot Nickels, Inuit Tapiriit Kanatami

### Dynamic Inuit Social Strategies in Changing Environments – A Long-Term Perspective

**T.M. Friesen**, P.C. Dawson, A.S. Dyke, S.A. Finkelstein, D. Gendron, L.M. Hodgetts, J.M. Ross, J.M. Savelle, P.J. Whitridge, J.M. Woollett (HW-072)

### A Changing Perspective on the History of Arctic Canada during the Past Millennium

**P. Sutherland** (MD-077)

### ISIUOP – Documenting and Representing Inuit Use of the Sea Ice

C. Aporta, **D.R.F. Taylor** (MD-041)

### The Importance of Indigenous Knowledge in Arctic Science

S. Meakin, P. Moss-Davies, S. Nickels, **J. Kuptana**, C. Bott, J. Knopp, K. Breton-Honeyman, C. Furgal (CC-003/NSERC)

### Documenting Traditional Knowledge Concerning Climate Change in the Tr`ondëk Hwëch`in

**Winton** (MD-147)

## Hydrology III: Freshwater Ecosystems

MacDonald Room, Fairmont Château Laurier

*Chair:* Scott Lamoureux, Queen's University

### IPY Arctic Freshwater Systems – Hydrology and Ecology: Highlights and Key Findings

**F.J. Wrona**, A. Pietroniro, P.D. di Cenzo (CC-080)

### Yeendoo Nanh Nakhweenjit K'atr'ahanahyaa: Environmental Change and Traditional Use of the Old Crow Flats

**M.F.J. Pisaric**, Vuntut Gwitchin First Nation, and Environmental Change and Traditional Use of the Old Crow Flats Research Team (MD-139)

### Chars and Climate Variability and Change – Initial Integration of Pieces

**J. Reist**, M. Power, B. Dempson, D. Muir, K. Kidd, N. Halden, W. Doidge, R. Bell, F. Wrona (CC-113)

### Sanitation in Canada's North – Preliminary Findings of Research into the Efficacy of Phytotechnology for Wastewater Treatment in an Arctic Environment

**B.C. Wootton**, C. Yates (HW-031)



## **IPY Initiatives: Beyond Research**

Burgundy Room, Fairmont Château Laurier

*Chair:* Danielle Labonté, Northern Affairs Organization, Indian and Northern Affairs Canada

Arctic Exposure - A Media Relations Program to Promote Northern Science

**R. Klinkhammer** (Popularization of Northern Scholarly Articles for Public Interest)

The Canadian IPY Publications Database: Disseminating and Preserving Canada's IPY Results

**R. Goodwin** (IPY#51: IPY Publications Database)

The International Polar Year: Building Health Research Capacity in the Northwest Territories

**S. Chatwood** (IPY#449: Arctic Health Research Network now Institute for Circumpolar Health Research)

Qanuqtuurniq-Finding the Balance Pan-Arctic TV Series on Inuit Wellness: Evaluation

R. Johnson, D. Leavitt, R. Moralesarry (presenter: **C. Carry**) (Pan-Arctic Interactive Communications Health Project (TV Series))

Inspiring Youth from Pole to Pole

**G. Green** (IPY#343: Students on Ice)

**Thursday, February 18, 2010**

## **Canadian Arctic Research Licensing Initiative (CARLI) II: Bio-Physical Research Licensing in the North**

13:00-14:30

MacDonald Room, Fairmont Château Laurier



## Poster Session

\* Indicates student posters. Please note for those posters from the Inuit Health Survey (HW-119): Under the terms of agreement with the steering committees of the IPY Inuit Health Survey, students are allowed to present preliminary results based on their work for educational training purposes.

### ANIMALS

<u>No.</u>	<u>Authors/Title</u>	<u>Project No.</u>
1	Brook, Kutz, Muelling, Flood, Anderson. <b>The Rangifer Anatomy Project: Developing tools for communicating community and scientific approaches to caribou structure and function.</b>	(NSERC 4)
2	Gauthier, Simard, Blais, <b>Prevalence of <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> in mammals from the eastern Canadian Arctic.</b>	(HW-141)
3	Leung. <b>Butterflies of Herschel Island and Komakuk, Yukon.</b>	(MD-021)
4	Montevecchi, Gaston, Davoren, Gilchrist, Hedd, Mallory, McFarlane-Tranquilla, Burke, Allen, Regular, Provencher, Robertson, Smith, Fifield, Elliott, Phillips. <b>Seabirds help detect Arctic ecosystem change: A Canadian IPY initiative.</b>	(CC-092)
5	Sawatzky, Reist, Swanson. <b>Climate variability and change (CVC) effects on char in the Arctic: Overview, outreach/communications and key findings.</b>	(CC-113)
6	Schock, Kutz, Branigan, Bollinger, Cooley, Côté, Croft, Cuyler, Elkin, Fernando, Heikkinen, Laaksonen, Oksanen, Taillon. <b>Genetic diversity of the vector-borne pathogen <i>Trypanosoma</i> (Protozoa) in caribou and reindeer (<i>Rangifer tarandus</i>) herds in North America, Greenland and Finland.</b>	(NSERC 4)
7	Tarroux, Bêty, Berteaux. <b>The marine side of a terrestrial mammal: Trophic niche and diet specialization of Arctic foxes.</b>	(MD-021)
33*	Curry, Kutz, Ribble, Hutchins, Elkin, Campbell, Godson, Robinson, Nielsen, Lindsay. <b>Infectious disease in caribou: The blood-on-filter-paper screening tool.</b>	(NSERC 4)
34*	Curry, Veitch, Elkin, Jenkins, Durocq, Kutz. <b>Hunters and scientists on the land: Full-circle caribou research.</b>	(NSERC 4)
35*	Doiron, Gauthier, Lévesque. <b>Impacts of climate change on a High Arctic herbivore: The case of the Greater Snow Goose.</b>	(MD-021/NSERC)
36*	Durocq, Lair, Beauchamp, Kutz. <b>Monitoring <i>Besnoitia tarandi</i> in barren ground caribou (<i>Rangifer tarandus</i>): Recommended tissue for sampling and diagnostic technique.</b>	(NSERC 4)
37*	Durocq, Lair, Beauchamp, Kutz. <b>Prevalence and intensity of <i>Besnoitia tarandi</i> in caribou (<i>Rangifer tarandus</i>): Associated risk factors and comparisons between herds.</b>	(NSERC 4)
38*	Gallant, Slough, Berteaux, Reid. <b>Arctic Fox versus Red Fox in the Canadian arctic: Is there a clear winner in the past four decades in the warming northern Yukon?</b>	(MD-021/NSERC)
39*	Therrien, J.-F., Gauthier, Bêty, Reid, Doyle. <b>The lemming buffet: Is there anything left after owls and jaegers have eaten?</b>	(MD-021/NSERC)
40*	Therrien, Gauthier, Bêty, Reid, Doyle. <b>Long-distance movements of two avian predators, the snowy owl and long-tailed jaeger, tracked via satellite.</b>	(MD-021/NSERC)
41*	Zamin, Grogan. <b>Caribou herbivory mitigates productivity response of <i>Betula glandulosa</i> to climate change</b>	(CC-096/NSERC)

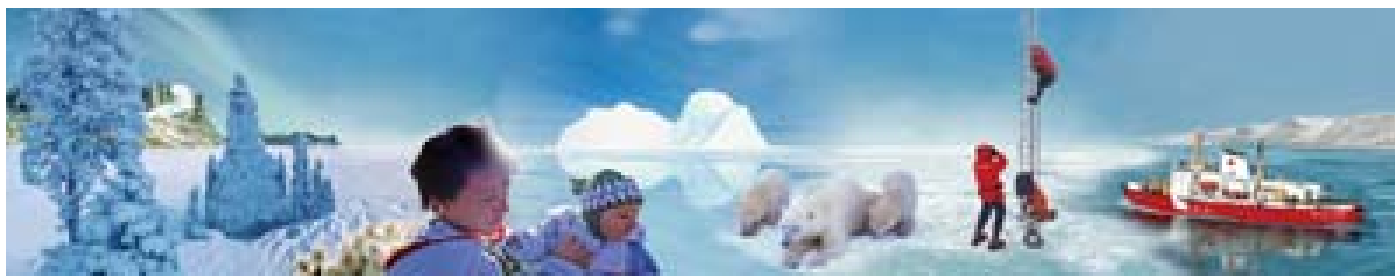


## ARCTIC OCEAN

<u>No.</u>	<u>Authors/Title</u>	<u>Project No.</u>
8	Azetsu-Scott, Falkner, Hamilton, Lee, Petrie, Prinsenber, Starr, Yeats. <b>Ocean Acidification in the Canadian Arctic Archipegalo and Hudson Bay System.</b>	(CC-135)
9	Falkner, Muenchow, Melling, McLaughlin, Johnson. <b>Ocean observations pertinent to the Petermann Glacier, Greenland.</b>	(CC-135)
10	Melling, Vagle, Williams, Carmack. <b>Instrumented oceanographic moorings for continuous long-term monitoring in C30.</b>	(CC-138).
11	Melling, Wilkinson, Gudmansen, Barber. <b>Observations of mesoscale wind regime in Nares Strait.</b>	(CC-135)
12	Muenchow, Rabe, Melling. <b>Variability in the buoyant discharge of Arctic waters to the west of Greenland, 2003-2009.</b>	(CC-135)
13	Pestieau. <b>Using the 3dvar data assimilation of sea ice.</b>	(CC-071)
42*	Rabe, Muenchow, Johnson, Melling. <b>Ocean current variability in Nares Strait, 2003-06.</b>	(CC-135)

## ATMOSPHERE

<u>No.</u>	<u>Authors/Title</u>	<u>Project No.</u>
14	Drummond. <b>Eureka 2010: Canadian Arctic science at 80N.</b>	(CC-090)
15	Farahani, McFarlane, Batchelor, Collins, Harvey, Livesey, Manney, Santee, Strong, Walker. <b>The structure and evolution of the polar stratosphere and mesosphere and links to the troposphere during IPY.</b>	(NSERC 7)
16	Netcheva, Bottenheim, Matrai, Perovich, Shepson, Simpson, Sheppard. <b>A new generation Arctic atmosphere measuring facility: The O-Buoy.</b>	(MD-065)
17	Platt, Shepherd, Steffen, Hung, Bottenheim. <b>The Dr. Neil Trivett Global Atmosphere Watch Observatory at Alert, Nunavut: IPY activities and atmospheric research highlights.</b>	
18	Staebler, Bottenheim, Fuentes, Seabrook, Whiteway, Asplin, Barber. <b>The role of atmospheric boundary layer dynamics in Arctic ozone depletion episodes.</b>	(MD-065)
19	Steffen, Cole, Lee, Scherz, Bottenheim, Hung, Stern, Staebler, Netcheva, Durnford, Dastoor. <b>Transport, transformation and input of mercury from the atmosphere into the Arctic.</b>	(MD-065; MD-098; CC-003)
20	Zadra, Vaillancourt, <b>Thorpex Arctic Weather and Environmental Prediction Initiative (TAWEPI): An update on modeling and data assimilation activities.</b>	(CC-088)
43*	Doyle, Nott, Perro, Pike-Thackray, Hopper, Bourdages, Lessins, Duck, Eloranta, Walden, Drummond. <b>Tropospheric particles, temperatures and watervapour from two lidars located in Eureka, Nunavut.</b>	(CC-090)
44*	Seabrook, Whiteway. <b>Vertically resolved ozone depletions measured using a differential absorption lidar.</b>	(CC-003)



## COMMUNITIES/HEALTH

<i>No.</i>	<i>Authors/Title</i>	<i>Project No.</i>
21	Charette, Donaldson, Doubleday, Ip, Manning, Leech, Nancarrow, Adlard, Grimwood, Van Oostdam. <b>The importance of a community-based approach to health research in the Arctic: A case study.</b>	(CC-027)
22	Doubleday, Donaldson, Ip, Grimwood, Charette. <b>Photos and plants through time: Collaborative community research.</b>	(CC-027)
23	Friendship, Bernier, Furgal, Dewailly, McTavish in collaboration with Nunatsiavut Government. <b>Urqsuk: The changing nature of Arctic fats and the Inuit diet.</b>	(HW-083)
24	Noël, Château-Dégât, Counil, Laouan-Sidi, Déry, Julien, Dewailly. <b>Cardioprotective effect of Omega-3 among Nunavik Inuit: Not necessarily attributable to an atherosclerotic attenuating effect.</b>	(HW-083)
45*	Boulet, Saundy-Unterberger, Pacey, Osborne, Williamson, Sobol, Young, Egeland. <b>IPY Nunavut Inuit Child Health Survey Results DVD.</b>	(HW-119)
46*	Galloway, Degat, Young, Egeland, the 2007-08 Inuit Health Survey Steering Committee. <b>Interpreting adult body composition data in Canadian Inuit: Inuvialuit, Nunavut and Nunatsiavut Inuit Health Survey Steering Committees.</b>	(HW-119)
47*	Hayek, Weiler, Qanuippitali Steering Committee for Nunavut, Egeland. <b>Prevalence, risk factors and consequences of vitamin D deficiency among Inuit children.</b>	(HW-119)
48*	Huet, Rosol, Egeland, Inuvialuit Settlement Region, Nunavut and Nunatsiavut IPY Inuit Health Survey Steering Committees. <b>Food security status in northern Canada: Preliminary results from the IPY Inuit Health Survey 2007-2008.</b>	(HW-119)
49*	Jamieson, Kuhnlein, Inuvialuit Settlement Region, Nunavut and Nunatsiavut Inuit Health Survey Steering Committees, Egeland. <b>Risk factors for iron deficiency and anemia in Inuit adults of Inuvialuit Settlement Region, Nunavut and Nunatsiavut.</b>	(HW-119)
50*	Pacey, Egeland, Nunavut Inuit Health Survey Steering Committee. <b>Iron deficiency among Inuit preschoolers in Nunavut.</b>	(HW-119)
51*	Proust, Lucas, Dewailly. <b>Does high marine mammal fat intake by Inuit from Nunavik protect them from coronary artery disease?</b>	(HW-083)
52*	Pufall, Simard, Jones. <b>Engaging northern communities in the monitoring of country foods for Anisakidae nematodes.</b>	(HW-141)
53*	Sefidbakht, Young, Egeland, Inuvialuit Settlement Region, Nunavut and Nunatsiavut Steering Committees. <b>Characteristics associated with glucose intolerance in the IPY Inuit Health Survey.</b>	(HW-119)
54*	Valera, Dewailly, Poirier. <b>Influence of fish nutrients on blood pressure among Nunavik Inuit adults.</b>	(HW-083)
55*	Valera, Dewailly, Poirier. <b>Influence of fish nutrients on resting heart rate and heart rate variability among Nunavik Inuit adults.</b>	(HW-083)
56*	Zhou, Kubow, Egeland, and Inuvialuit Settlement Region, Nunavut and Nunatsiavut IPY Inuit Health Survey Steering Committees. <b>Highly unsaturated n-3 fatty acid status of Canadian Arctic Inuit.</b>	(HW-119)



## HYDROLOGY/CRYOSPHERE

<u>No.</u>	<u>Authors/Title</u>	<u>Project No.</u>
25	Barrand, Sharp. <b>Sustained rapid shrinkage of Yukon glaciers since the 1957-58 International Geophysical Year.</b>	(NSERC 6)
26	Ednie, Smith. <b>Establishment of community-based permafrost monitoring sites, Baffin Region Nunavut.</b>	(MD-039)
27	Fernandes, Brown, Derkson, Fletcher, Hall, Key, Kushner, Qu, Wang, Wang, Zhao. <b>A new northern hemisphere snow cover climate data record used to reduce uncertainty in historical and projected Arctic climate.</b>	(CC-071)
28	Tivy, Howell, DeAbreu, McCourt, Alt, Chagnon, Carrieres. <b>Canadian Ice Service Digital Archive: Placing the IPY years in context –Early results on trends and variability in summer sea ice cover in the Canadian Arctic.</b>	(CC-071)
57*	James, Lewkowicz. <b>Changes in permafrost distribution in Northern British Columbia and Southern Yukon from 1964 to the 2007-2008 International Polar Year.</b>	(MD-039)
58*	Kalantari, Bernier, Poulin, Gauthier. <b>Monitoring the tundra seasonal soil freezing-thaw using active and passive microwave in Nunavik.</b>	(CC-071)
59*	Throop, Lewkowicz, Smith. <b>New information on mountain permafrost temperatures and climate in the southern Yukon for the International Polar Year.</b>	(MD-039)

## TERRESTRIAL SYSTEMS

<u>No.</u>	<u>Authors/Title</u>	<u>Project No.</u>
29	Bhatti, Errington, Varem-Sanders. <b>The influence of climatic gradient, landscape position on carbon stock trends along Mackenzie valley region in Northwest territory.</b>	(CC-029)
30	Errington, Bhatti, Melnycky. <b>Lichen biomass estimation and trends across topographically- and climatically-induced permafrost gradients in the Mackenzie Valley of north-western Canada.</b>	(CC-029)
31	Henry, Tarnocai, Poissant, Johnston, Chen, Kennedy, Grieve, Humphreys, Laurion, Cuerrier, Simms, Marino, Jacobs, Hermanutz, Laroque, Walker, Grogan, Lamoureux, Lafleur, Lévesque, Garneau, Hik, Grant, St. Louis, Tenuta, Egger, Coxson, Si, Farrell, Bedard-Haughn, Siciliano. <b>Climate change impacts on Canadian Arctic Tundra Ecosystems (CiCAT): Preliminary results.</b>	(CC-096)
32	Hermanutz, Jacobs, Simms, Marino, Chan, Cranston, Koncz, Siegwart-Collier, Upshall, Wheeler. <b>Monitoring and predicting change in Tundra Ecosystems of Torngat Mountains National Park Reserve, Northern Labrador.</b>	(CC-096)
60*	Jameson, Hermanutz. <b>Moving in? Coniferous seed production and its importance in the invasion of alpine habitat.</b>	(CC-027)
61*	Siegwart-Collier, Lavallée, Spiech, Jacobs, Hermanutz, Lévesque, Cuerrier, Henry. <b>Exploring baseline shrub associations in experimental warming sites from Baker Lake, Nunavut to Nain, Nunatsiavut.</b>	(CC-096)
62*	Trant, Hermanutz. <b>Age structure and patterns of clonal growth at the forest-tundra transition in the Mealy Mountains, Labrador.</b>	(CC-027)
63*	Wheeler, Hermanutz, Marino. <b>Seedbed facilitation of black spruce (Picea mariana) recruitment in the boreal-arctic transition in Labrador, Canada.</b>	(CC-027)



## IPY NORTHERN COORDINATION OFFICES

<i>No.</i>	<i>Authors/Title</i>
64	Ford, Doidge. <b>Nunavik IPY Coordination Office</b>
65	Kilabuk, Shirley, Thomas. <b>Nunavut IPY Coordination Office</b>
66	Van Dijken, Dickson. <b>Yukon IPY Coordination Office</b>
67	Mero, Seccombe-Hett. <b>Northwest Territories IPY Coordination Office</b>



## Associated Events

### Researchers' Corner

February 16-17

Frobisher Room, Fairmont Château Laurier

Similar to the concept of a Speaker's Corner, the IPY Researchers' Corner will provide an opportunity to the IPY community to speak on camera about the experiences and discoveries gained through IPY. These video clips will be used for the Government of Canada IPY website and in a variety of other communication and outreach activities. Researchers and members of the IPY community will be encouraged to visit the booth at various times throughout the workshop.

### Arctic Vision - IPY Photo Exhibit

February 16-18

Ballroom Foyer, Fairmont Château Laurier

Arctic Vision celebrates the scientific achievement of International Polar Year (IPY) in Canada through 27 images from IPY research projects funded by the Government of Canada Program for IPY. These images capture the breadth and depth of scientific endeavours in the Canadian Arctic during the IPY Observing Years of 2007 to 2009.

### Canadian Arctic Research Licensing Initiative (CARLI) Sessions

Over the next two years the Government of Canada Program for International Polar Year is facilitating an IPY initiative called the **Canadian Arctic Research Licensing Initiative (CARLI)**. This project is intended to provide a unique opportunity for territorial and federal northern regulators, Aboriginal governments and organizations and the research community to work together to exchange information, share best practices and review the application and processing of research licences in Canada's North. These sessions will be used to meet with researcher to discuss initiatives that would improve researchers' understanding and ability to navigate the licensing process in Canada's North. Participation in these sessions is being organized by the IPY Federal Program Office.

#### February 16 – 13:30-15:00 (Concurrent Session 1)

##### Session 1: Health, social science and ethics research licensing

MacDonald Room, Fairmont Château Laurier

#### February 18 – 13:00-14:30

##### Session 2: Bio-physical research licensing in the North

MacDonald Room, Fairmont Château Laurier

### Reception and Poster Session

February 16

Ballroom and Ballroom Foyer, Fairmont Château Laurier



## **Health Canada: Northern Health Research and Community Well-Being**

**February 17 – 13:30-15:00 (Concurrent Session 4)**

Ballroom, Fairmont Château Laurier

This round table will feature presentations and discussions on issues surrounding Northern health research and community well-being. It is part of an ongoing initiative to improve science-policy integration across the federal health portfolio and it strives to inform and bring together the scientific and policy communities on specific health science issues. This round table offers a unique opportunity to bring together the IPY researcher community and those interested in the policy implications of their research.



## Venue: Fairmont Château Laurier

The Fairmont Château Laurier is historic hotel located in the heart of downtown Ottawa. Surrounded by several notable Ottawa features such as the Rideau Canal, Ottawa River, Parliament Hill and the Byward Market, the Château Laurier is perfectly situated for access to the history, culture and vibrancy that defines the city of Ottawa.

For more information on the Château Laurier, please visit their website:  
<http://www.fairmont.com/laurier>





## Appendix A: Canada's IPY Projects

Project No.	Project Title	Principal Investigator
CC-003/NSERC	Circumpolar Flaw Lead (CFL) System Study	Barber, D. <i>University of Manitoba</i>
CC-008	Carbon-flux and Microbial Community Dynamics in Low-Arctic Tundra	Simard, S. <i>University of British Columbia</i>
CC-018	Northwest Territories Ice Patch Study	Andrews, T. <i>Prince of Wales Northern Heritage Centre, GNWT</i>
CC-020	Polar Ecosystems in Transition - An Interdisciplinary Case Study of the Effects of Climate Change on Temporal Trends in Contaminant Accumulation, Foraging Ecology and Human Use of Polar Bears ( <i>Ursus maritimus</i> )	Peacock, E. <i>Government of Nunavut</i>
CC-027	PPS Arctic Canada ( <u>P</u> resent processes, <u>P</u> ast changes, <u>S</u> patio-temporal variability in the <u>A</u> rctic delimitation zone, <u>C</u> anada)	Harper, K. <i>Dalhousie University</i>
CC-029	Recent Changes in Carbon Source-Sink Relationships and Greenhouse Gas Emissions in Forest and Peatland Ecosystems along the Mackenzie Valley Region of Canada	Bhatti, J. <i>Natural Resources Canada</i>
CC-032	A Canadian Arctic SOLAS Network	Levasseur, M. <i>Université Laval</i>
CC-053	Climate Change and Permafrost Impacts on High Arctic Watershed Fluxes - Cape Bounty, Melville Island Experimental Watershed Observatory	Lamoureux, S. <i>Queen's University</i>
CC-055	The Organic Carbon Flux to the Margin Sediments of Canada's Three Oceans: Redox Tracers, Stable Isotopes and Biomarkers as Proxies for Change	Gobeil, C. <i>Université du Québec</i>
CC-071	Variability and Change in the Canadian Cryosphere – A Canadian Contribution to "State and Fate of the Cryosphere"	Walker, A. <i>Environment Canada</i>
CC-080	Arctic Freshwater Systems: Hydrology and Ecology	Wrona, F. <i>Environment Canada</i>
CC-088	TAWPEI – Thorpex Arctic Weather and Environmental Prediction Initiative	Zadra, A. <i>Environment Canada</i>



## Canada's IPY Projects.. con't

Project No.	Project Title	Principal Investigator
CC-090	The Polar Environment Atmospheric Research Laboratory (PEARL) and the International Arctic Systems for Observing Atmosphere (IASOA)	Drummond, J. <i>University of Toronto</i>
CC-091	Impacts of Severe Arctic Storms and Climate Change on Arctic Coastal Oceanographic Processes	Perrie, W. <i>Fisheries and Oceans Canada</i>
CC-092	How Seabirds Can Help Detect Ecosystem Change in the Arctic	Montevecchi, W. <i>Memorial University</i>
CC-096/NSERC	Climate Impacts on Canadian Arctic Tundra Ecosystems – Interdisciplinary and Multi-scale Assessments (CiCAT)	Henry, G. <i>University of British Columbia</i>
CC-107	Pan-Arctic Tagging of Beluga Whales (PATOB)	Hammill, M. <i>Fisheries and Oceans Canada</i>
CC-110	GEOTRACES: Multi-tracer Investigation of the Effect of Climate Change on Nutrient and Carbon Cycles in the Arctic Ocean	François, R. <i>University of British Columbia</i>
CC-113	Climate Variability and Change Effects on Char in the Arctic	Reist, J. <i>Fisheries and Oceans Canada</i>
CC-135	Ocean Freshwater Fluxes through the Canadian Archipelago (CAT)	Melling, H. <i>Fisheries and Oceans</i>
CC-138	Canada's Three Oceans (C3O)	Carmack, E. <i>Fisheries and Oceans Canada</i>
CC-144	Feeding Ecology of the Greenland Shark under Different Ice Conditions	Fisk, A. <i>University of Windsor</i>
HW-025	Evaluation of the Impact of the Immunization Program Combining the Pneumococcal Conjugate Vaccine and the Inactivated Influenza Vaccine in Nunavik Children	de Wals, P. <i>Université Laval</i>
HW-031	Pilot Scale Constructed Wetlands for Arctic Communities	Wootton, B. <i>Fleming College</i>
HW-056	The Viral Hepatitis Northern Network: A Platform for Addressing Viral Hepatitis in the Canadian North	Minuk, G. <i>University of Manitoba</i>



## Canada's IPY Projects.. con't

<b>Project No.</b>	<b>Project Title</b>	<b>Principal Investigator</b>
HW-068	The Prevalence of Human Papillomavirus and Its Impact on Cervical Dysplasia in Northern Canada	Mao, Y. <i>Public Health Agency of Canada</i>
HW-072	Dynamic Inuit Social Strategies in Changing Environments: A Long-Term Perspective	Friesen, T. <i>University of Toronto</i>
HW-083	URQSUK: An Integrated Research Program on Arctic Marine Fat and Lipids	Dewailly, E. <i>Centre Hospitalier de l'Université Laval</i>
HW-119	The Inuit Health Survey	Egeland, G. <i>McGill University</i>
HW-141	Engaging communities in the monitoring of zoonosis, country food safety and wildlife health	Simard, M. <i>Makivik Corporation</i>
MD-037	Spatial and Temporal Trends of Climate and Airborne Contaminants in the Arctic Region from Snow and Ice Cores - A Canadian IPY Contribution	Bourgeois, J. <i>Natural Resources Canada</i>
MD-039	Thermal State of Permafrost (TSP) – a Canadian contribution to the International Permafrost Association's International Polar Year Project	Lewkowicz, A. <i>University of Ottawa</i>
MD-041	Inuit Sea Ice and Occupancy Project (ISIUOP)	Aporta, C. <i>Carleton University</i>
MD-059	Community Adaptation and Vulnerability in the Arctic (CAVIAR)	Smit, B. <i>University of Guelph</i>
MD-065	OASIS-CANADA	Bottenheim, J. <i>Environment Canada</i>
MD-098	Intercontinental Atmospheric Transport of Anthropogenic Pollutants to the Arctic (INCATPA)	Hung, H. <i>Environment Canada</i>
MD-021/NSERC	Arctic Wildlife Observatories Vulnerable EcoSystems (ArcticWOLVES)	Gauthier, G. <i>Université Laval</i>
MD-077	The impacts of oil and gas activity on peoples in the Arctic using a multiple securities perspective (GAPS)	Bazely, D. <i>York University</i>
MD-112	Global Warming and Arctic Marine Mammals (GWAMM) – Effects of Global Warming on Polar Bears, Seals and Whales	Ferguson, S. <i>Fisheries and Oceans Canada</i>



## Canada's IPY Projects.. con't

Project No.	Project Title	Principal Investigator
MD-126	Starting the clock on the CARMA Network: impacts on the human/ <i>Rangifer</i> systems in the CircumArctic	Russell, D. <i>Yukon College</i>
MD-139	Yeendoo Nanh Nakhweenjit K'atr'ahanahtyaa - Environmental change and traditional use of the Old Crow Flats in northern Canada	Graupe, S. <i>Vuntut Gwitch'in First Nation</i>
MD-142	Inuit History – Climatic Change and Historical Connections in Arctic Canada AD 1000-1900	Sutherland, P. <i>Canadian Museum of Civilization</i>
MD-145	The Kwäday Dän Ts'inchi Discovery – Expanding Our Understanding Through Linked Scientific and Community Studies	Greer, S. <i>Champagne and Aishihik First Nations</i>
MD-146	Arctic Peoples, Culture, Resilience and Caribou	Dickson, C. <i>Council of Yukon First Nations</i>
MD-147	Documenting Traditional Knowledge in Relation to Climate Change and its Effects in Tr'ondëk Hwëch'in Traditional Territory	Winton, A. <i>Tr'ondëk Hwëch'in</i>
NSERC 1	Detection and Assessment of the Dehydration-Greenhouse Feedback in the Arctic	Blanchet, J.-P. <i>Université du Québec à Montréal</i>
NSERC 2	Polar Research Observatories for Biodiversity and the Environment (PROBE)	Hébert, P. <i>University of Guelph</i>
NSERC 3	Climate Forcing of Alpine Tundra Ecosystems in Southwest Yukon	Hik, D. <i>University of Alberta</i>
NSERC 4	Resilience of Caribou and Reindeer Populations – Validation and Application of the Filter Paper Technique to Access Exposure to Pathogens during International Polar Year(s)	Kutz, S. <i>University of Calgary</i>
NSERC 5	Natural Climate Variability and Forcings in the Canadian Arctic and Arctic Ocean	Rochon, A. <i>Université du Québec à Rimouski</i>
NSERC 6	The Dynamic Response of Arctic Glaciers to Global Warming	Sharp, M. <i>University of Alberta</i>
NSERC 7	Structure and Evolution of the Polar Stratosphere and Mesosphere – Links to the Troposphere during IPY	Shepherd, T. <i>University of Toronto</i>
NSERC 8	Microbial Biodiversity of High Arctic Ecosystems - Canadian Partnership in the International Polar Year Program MERGE	Vincent, W. <i>Université Laval</i>