

IP3 Workshop #3

12-15 November 2008
Westmark Hotel and Conference Centre
Whitehorse, Yukon



Improved Processes & Parameterisation
for Prediction in Cold Regions

AGENDA

Wednesday, 12 November

- 19:00** Shuttle transport to Beringia Centre from Westmark
- 19:30-21:00** Public Lecture, Yukon Science Institute (Beringia Centre)
Sean Carey Water in the Changing North
- 21:15** Shuttle transport back to Westmark

Thursday, 13 November

- 8:00** Registration/Refreshments
- 8:30** **John Pomeroy, Chair** Session 1 - Welcome and Introductions
Elaine Taylor, YT Minister of Environment Welcome from Yukon Government
Erica Wilson Welcome from the Canadian Foundation for Climate and Atmospheric Sciences
John Pomeroy Overview, current status of IP3 and plans through 2010
- 9:45** Coffee Break
- 10:15** **Bill Quinton, Chair** Session 2 - Scientific Reports (20 min. each, incl. questions)
Sean Carey Hydrological processes and parameterization: infiltration and runoff
Chris Spence Parameterization of subarctic Canadian Shield hydrological processes
Rick Janowicz Scaling Implications of Variable Frozen Soil Infiltration on Runoff Generation
Scott Munro The Peyto Glacier Boundary-Layer Experiment
- 12:00** Lunch (catered - in meeting room)
- 13:00** **Al Pietroniro, Chair** Session 3 - Scientific Reports (20 min. each, incl. questions)
Bill Quinton IP3 progress at Scotty Creek
Phil Marsh Snow and small lake processes at the Arctic forest/tundra transition in the Western Canadian Arctic

Richard Essery
Ken Snelgrove
John Pomeroy
Snow processes and parameterization in complex landscapes
Exploring Hydrologic Similarity in the Marmot Creek Basin
Snow Dynamics and Model Parameterisation in Alpine,
Arctic, and Forested Basins

14:45

Coffee Break

15:15

Sean Carey, Chair

Session 4 - Scientific Reports (20 min. each, incl. questions)

Al Pietroniro

MESH modeling update and simulation results for Wolf Creek

Ric Soulis

Micro-scale to meso-scale: An update on the IP3 sub-grid soil-water budget

Diana Verseghy

The Canadian Land-Surface Scheme (CLASS) for cold-climate regional modelling

Edgar Herrera

Modeling Wind Flow in IP3 basins using GEM

Tom Brown

Update on the Cold Regions Hydrological Model (CRHM)

17:00

Informal happy hour gathering (location TBA)

17:15

Board of Directors meeting

Friday, 14 November

8:00

Late Registration/Refreshments

8:30

Chris Spence, Chair

Session 5 - IP3 Collaborators (20 min. each, incl. questions)

Masaki Hayashi

Hydrological storage and pathways in alpine headwaters: Lake O'Hara study update

Rob Schincariol

The supporting role of laboratory mesocosms in Scotty Creek field studies

Tim Link

Hydrologic Research at Reynolds Creek: The southernmost node of the IP3 network

James Craig

Parameterisation - Upscaling threshold behaviour in distributed surface water models

Bryan Tolson

MESH 1.2 modelling results for IP3 basins

10:10

Coffee Break

10:40

Diana Verseghy, Chair

Session 6 - Collaborations and Partnerships in Related National and International Programs (15 minutes each)

Shawn Marshall

The Western Canadian Cryospheric Network

Ron Stewart

The Drought Research Initiative as a Stepping Stone

Terry Prowse

Terrestrial Hydrology in Cold Regions: ICARPII to WCRP-CliC

Chris Spence

Linkages between IP3 and the IAHS PUB initiative

11:40	Masaki Hayashi, Chair Terry Prowse Peter diCenzo	Session 7a - International Polar Year River and Lake Ice: quantification, extremes and historical/future changes IPY Arctic Freshwater Systems: Hydrology and Ecology
12:20		Lunch (catered - in meeting room)
13:20	Masaki Hayashi, Chair Kathy Young Stephen Dery	Session 7b - International Polar Year Hydrology of a low-gradient wetland, Polar Bear Pass, Nunavut: IPY Summer 2008 Recent trends and variability of river discharge in Northern Canada
14:00	John Pomeroy, Chair	Session 8 - Theme Discussion Presentations and open discussion on Themes
15:00		Coffee Break
15:30	Ming-Ko Woo	Session 9 - Report from the Board of Directors
16:00-17:00	John Pomeroy, Chair Bob Sandford John Pomeroy	Session 10 - Future Planning Rocky Mountain Hydrometeorological Observatory National and international programs Group discussion on plans for IP3 follow-on activities
18:00		Shuttle transport to Beringia Centre from Westmark
	Nadine Kappahn, Chair	Session 11 - Posters and Reception at Beringia Centre
18:15	John Pomeroy / Rick Janowicz	Introduction
18:20-19:30	Bob Reid	Users' Advisory Committee meeting (Beringia Centre)
19:30-21:00		Posters
21:00-22:00	Greg Hare, Yukon Archaeologist	Archaeology From the Ice: Yukon and Beyond
22:00		Shuttle transport back to Westmark
	<i>Saturday, 15 November</i>	
8:00		Late Registration/Refreshments
8:30	Bob Reid, Chair Bob Reid Bob Reid Ian Church	Session 12 - Users' Perspectives on IP3 Overview and Current Status of the IP3 Users' Advisory Committee Summary Report on UAC Workshop in Canmore Collaborative Programs in the Canadian North and their

	John Diiwu	Legacies Watershed management in Alberta green area
10:00		Coffee Break
10:30	Ian Church, Chair Rick Janowicz	Session 13 - Users' Applications of IP3 Science Adapting Yukon Water Management Practices to Incorporate Recent Research Findings
	Al von Finster	IP3 applications to Fish and their Habitats: Present and Future
	Kristina Koenig	Manitoba Hydro
	Panya Lipovsky	Permafrost-related landslides in south and central Yukon
12:00	Al Pietroniro	Next workshop, closing
12:00-13:00		Lunch
13:00		Shuttle transport to Wolf Creek Cadet Camp
	Rick Janowicz, Leader	Field Trip to Wolf Creek basin, snow survey and camp dinner
18:00		Shuttle pick up at Wolf Creek Campground (different location)