

Workshop Agenda

Tuesday Nov 5

8:00 am	Breakfast
9:00 am	8:30 Introductions & Overview (Facilitator) Opening and Welcoming Remarks • Honourable Minister J. Michael Miltenberger • Honourable Minister Robert C. McLeod
	9:15 Introduction to Permafrost (~25 minutes each) • Michel Allard • Steve Kokelj
10:00 am	10:05 Health Break
	10:30 Perspectives from the Yukon, NWT and Nunavut Johanna Smith Colleen Healey Brian Sieben Merran Smith
11:00 am	11:10 Traditional Knowledge Video (Yukon) 45 minutes for video and questions. Norma Kassi
12:00 pm	12:00 Lunch – Catered at Explorer Hotel

Wednesday Nov 6

Breakfast
8:30 Overview of Day #2 (Facilitator)
8:45 Mapping and Communities (20 min. each) Mapping ground movement and permafrost temperature: case studies from Nunavut and Nunavik Anne Marie LeBlanc Mapping landscape hazards in Yukon for community climate change adaptation planning Bronwyn Benkert Permafrost scenario and mean annual air temperature modelling Philip Bonnaventure Electrical Resistivity Tomography as an essential tool to investigate sites in discontinuous permafrost Toni Lewkowicz
10:05 Health Break
10:30 Mapping and Communities (20 min. each) Permafrost vulnerability assessment and landscape changes related to climate change in Jean Marie River First Nation, NWT (30 minutes) Margaret Ireland/Fabrice Calmels Mapping and Community Planning in Nunatsiavut Trevor Bell Community hazard mapping and 4D Visualization in Clyde River, Nunavut Ellen Pond Adaptation and Permafrost: Tackling Common Challenges through Partnership Sarah Brown
12:00 Lunch - Catered at Explorer Hotel

Thursday Nov 7

Breakfast
8:30 Overview of Day #3 (Facilitator)
8:45 Transportation (20 min. each) Developing an Infrastructure Forensic Analysis System for the northern transportation sector Alison Perrin / Simon Eng Alaska Highway permafrost mapping Fabrice Calmels / Bronwyn Benkert ARQULUK program: Preservation of Canada's northern transportation infrastructures Julie Malenfant-Lepage
9:45 Health Break
10:00 Transportation (20 min. each) Iqaluit Airport John Hawkins Permafrost – Infrastructure Research: Great Slave Region, NWT Steve Wolfe NWT Highway 3 - Climate Change Vulnerability Assessment Lukas Arenson
11:00 Breakout Discussion and Reporting 30 minutes breakout, 30 minutes reporting
12:00 Lunch - Catered at Explorer Hotel

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Tuesday Nov 5

1:00 pm	<p>1:00 Slide Show of Yellowknife Permafrost (30 minutes)</p> <p>1:30 Landscape Changes (20 min. each) Community-based monitoring of the active layer in the Yukon River watershed Brendan Mulligan / Jody Inkster Response of vegetation and hydrology to permafrost thaw in southern Taiga Plains Jenn Baltzer Landscape change and adaptation: linking permafrost performance with climate change Chris Burn / Douglas Joe</p>
2:00 pm	<p>2:45 Health Break</p>
3:00 pm	<p>3:00 Tools for Adaptation (20 min. each) Remote Sensing in the Arctic Adrian McCurdle/Jon Leighton Thermosyphons Brent Wall The Yukon Permafrost Network Sarah Laxton Northern Infrastructure Standards initiative (50 minutes) Don Hayley, Heather Auld, Antoni Lewkowicz, Ken Johnson</p>
4:00 pm	
5:00 pm	<p>5:00 Day Wrap-up and Prepare Next Day (Facilitators)</p>

Wednesday Nov 6

1:00	<p>Breakout Discussion and Reporting 30 minutes breakout followed by 30 minutes reporting</p>
2:00	<p>Building Infrastructure (20 min. each) Recent Effects of Climate Change on Permafrost and Road Stability – Dempster Highway, Northwest Territories and Yukon Richard Trimble Building infrastructure in NU John Watson Climate Change Impact on the State of Permafrost at Inuvik, NWT Ed Hoeve</p>
3:00	<p>Health Break</p>
3:20	<p>Building Infrastructure (20 min. each) Building Ground Temperature Monitoring Ed Cormier Tools for Assessing Roofs and Foundations Mark Porter</p>
4:00	<p>Breakout Discussion and Reporting 30 min. breakout followed by 30 min. reporting</p>
5:00	<p>Day Wrap-up and Prepare Next Day (Facilitators)</p>

Thursday Nov 7

1:00	<p>Mining, Oil and Gas (20 min. each) Exploration waste in permafrost Steve Kokelj Giant Mine Remediation Project – Arsenic Trioxide Management and Frozen Block Method Peter Mikes Permafrost Research to Support Northern Hydrocarbon Development and Transportation Sharon Smith</p>
2:00	<p>Breakout Discussion and Reporting 30 minutes breakout followed by 30 minutes reporting</p>
3:00	<p>Health Break</p>
3:30	<p>Outreach Tools and Techniques – 10 minute panel presentation and facilitated panel discussion with Yukon, NWT and NU representatives</p>
4:30	<p>Closing Comments / Wrap-up (Facilitators)</p>

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Workshop Objectives

1. Share information
2. Connect decision makers and knowledge holders
3. Build linkages and engage diverse sectors
4. Ensure relevance to communities
5. Identify most relevant permafrost challenges
6. Identify actions to help enable challenges to be addressed

Workshop Sponsors



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Northern Development Canada**

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OCTOBER 30, 2013

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Pan-Territorial
Permafrost Workshop
November 2013

THANKS FROM GOVERNMENT

The Governments of Nunavut, Northwest Territories and Yukon would like to thank all participants of the Pan-Territorial Permafrost Workshop. The workshop identified challenges associated with building on

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