Canadian Polar Data Workshop V: Program

May 27-31, 2024 | Dalhousie Student Centre, Halifax, Nova Scotia

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Purpose and Objectives: The purpose of the Canadian Polar Data Workshop V is to gather people involved in polar data management from across the country to share ideas and identify key priorities and commitments for coordinating the work of the polar data community and, ultimately, advancing our work in support of our vision. The expected outcomes of the 2024 workshop are:

1. Building on the structure for Polar data management in Canada including national recognition for a principal body and continued work on a national data plan, to be embedded within a larger Arctic science plan for Canada.
2. The continuation and further development of initiatives towards furthering Indigenous data sovereignty in Canada.
3. Hackathon sessions to support further interoperability initiatives between polar data centres.
4. Building Canada's Arctic data future by welcoming students and early career scientists into the community.

Please Note that unless otherwise indicated, all events will take place in DSU Room 302.

Day 1: May 27, 2024 (Early Career Day & Genomics Workshop)	
9:00am – 11:00am	*Registration Open*
11:00am – 5:00pm	Genomics Workshop: Incorporating Applied Genomics and DNA based Tools into an ecosystem Level Framework to Manage Arctic Marine Biota
10:00am – 12:00pm	CERC.OCEAN Laboratory Tour *(meet at Registration Desk)*
12:00pm – 1:00pm	Lunch
1:00pm – 2:00pm	NFSI: National Facility for Seismological Investigations Tour *(meet at Registration Desk)*
2:00pm – 5:00pm	Data Petting Zoo
5:30pm	*Social Event*

Day 2: May 28, 2024 (Genomics Workshop Concurrent)	
8:00am – 9:00am	*Registration Open*
9:00am – 5:00pm	Genomics Workshop: Incorporating Applied Genomics and DNA based Tools into an ecosystem Level Framework to Manage Arctic Marine Biota
9:00am – 9:15am	Welcome – Shannon Christoffersen
9:15am – 9:30am	Opening Blessing – Elder TBD
9:30am – 10:30am	KEYNOTE: Strengthening Allyship to Protect Data Sovereignty in Inuit Communities – Joshua Stribbell
10:30am – 10:45am	*Break*
10:45am – 11:15am	Review of CPDW4 Calls to Action and CPDW5 Agenda Overview – Maribeth Murray
11:15am – 11:45am	International Activities: Results from the Polar Data Forum V and AOS 2024 – Chantelle Verhey & Maribeth Murray

11:45am – 1:00pm	*Lunch (provided)*
1:00pm – 2:00pm	KEYNOTE: Title TBA – Matt Jones
2:00pm – 2:30pm	Digital Research Alliance Canada – Mark Leggott
2:30 – 2:45pm	*Break*
2:45pm – 3:15pm	The Canadian Consortium for Arctic Data Interoperability: Next Phase – Maribeth Murray & Peter Pulsifer
3:15 – 3:45pm	Polar Data Search – Chantelle Verhey & Munish Madan
3:45pm – 4:30pm	Local Contexts – Stephany Johnson
6:00pm	*CCADI Team Meeting & Dinner (closed meeting)*

Day 3: May 29, 2024	
8:00am – 9:00am	*Registration Open*
9:00am – 9:15am	Welcome – Peter Pulsifer
9:15am – 10:30am	Knowledge Mobilization and Decision-Making Sessions • Arctic Research Data Management – Peter Pulsifer (15 minutes) • Polar Data and Local, Regional, and International Initiatives – Chantelle Verhey (15 minutes) • Arctic Genomics Project Knowledge Mobilization Systems - Christy M. Caudill (15 minutes) • Open Science Policy for Nova Scotia - Maria Pawlowska (15 minutes) • The National Freshwater Data Strategy – Jim Young (15 minutes)
10:30am – 10:45am	*Break*
10:45am – 11:45am	FAIR Data Sessions • Explore CIOOS – Ray Brunsting (15 minutes) • Ocean Networks Canada – Sean Tippett (15 minutes) • From ASTIS to ADA – Jacob Huffman (15 minutes)
11:45am – 12:45pm	*Lunch (provided)*
12:45pm – 2:00pm	Community-Led Research and Indigenous Data Sovereignty Sessions • More than a REB checkbox – Lee Rannells & Olivia Done (15 minutes) • Multiple Sovereign Responsibilities - Leasi Vanessa Lee Raymond (15 minutes) • The Creation of the Manitoba Métis Federation's Weather Keeper Program – Claire Herbert & Yanique Campbell (15 minutes) • Indigenous Data Sovereignty and Genomics Science in the Canadian Context - Christy Caudill (15 minutes)
2:00pm – 2:45pm	Vocabularies and Semantic Interoperability Sessions

	• Co-Developing a Cross-Worldview Semantic Space for Actioning Science – Christy Caudill & Peter Pulsifer (15 minutes) • A method for Indigenous/non-Indigenous co-development of shared vocabularies – Rebekah Ingram (15 minutes)
2:45pm – 3:00pm	*Break*
3:00pm – 4:00pm	Life Science Data Sessions • Remotely Operated Vehicle, an innovative tool for the discovery of the benthic environments in the Canadian Arctic - Tahiana Ratsimbazafy (15 minutes) • Co-developing new tools to advance our understanding of Arviit behaviour in a changing system - Sarah Fortune (15 minutes) • Assessing Arctic Marine Biodiversity Using Environmental DNA - Robert Beiko (15 minutes)
4:00pm – 4:30pm	Logistical Resource and Information Management Sessions Facilitating Information Exchange through a New Registry of Polar Observing Networks (RoPON) – Shannon Christoffersen (15 minutes)
4:30pm – 5:00pm	Modelling and Remote Sensing Data Sessions • Deciphering Arctic Snow-to-Rain Transition and Future Contributions to Sea Level Rise – Wai Yin Cheung (15 minutes) • SILA-CDMS – Etienne Godin (15 minutes)
5:00pm – 5:45pm	Data Frontiers Sessions • Using the OpenAI ChatGPT API for Polar Data Analysis and Dissemination – Munish Madan (15 minutes • Data Storytelling – David Arthurs (15 minutes)

Day 4: May 30, 2024	
8:00am – 9:00am	*Registration Open*
9:00am – 9:30am	Welcome – Maribeth Murray
9:30am – 10:30am	Canadian Polar Data Planning Committee Open Meeting and Strategic Planning Session
10:30am – 10:45am	*Break*
10:45am – 12:00pm	Canadian Polar Data Planning Committee Open Meeting and Strategic Planning Session
12:00pm – 1:00pm	*Lunch (provided)*
1:00pm – 2:45pm	Concurrent Sessions: 1. Arctic Data Standardization Initiative 2. Interoperability Hackathon
2:45pm – 3:00pm	*Break*
3:00pm – 5:00pm	Concurrent Sessions:

	1. Indigenous Data Sovereignty: Building Technical Capacity and Knowledge Sharing in Communities, and Research Ethics 2. Interoperability Hackathon continues
7:00pm	*Ghost Tour Off-Site Activity (registration required)*

Day 5: May 31, 2024	
8:00am – 9:00am	*Registration Open*
9:00am – 9:15am	Welcome – Shannon Christoffersen
9:15am – 10:15am	Looking Forward: Developing a Plan of Action and Advancing Technical Initiatives – Maribeth Murray and Peter Pulsifer
10:15am – 10:30am	*Break*
10:30am – 11:45am	Closing Remarks and Review – Maribeth Murray and Peter Pulsifer
11:45am – 12:00pm	CPDW5 Closing Blessing – Elder TBD
12:00pm – 1:00pm	*Lunch (provided)*