

Global Water Futures Second Annual Open Science Meeting

May 14–17, 2019
Wanuskewin Heritage Park and TCU Place
Saskatoon, SK, Canada

Meeting Summary and Aims

The Second Annual Global Water Futures (GWF) Open Science Meeting is open to all members and affiliates of the GWF Program and its extended community of partners, as well as all who wish to be involved with GWF. This meeting will bring together the GWF network and will include a number of exciting, informative, and unique events and activities meant to review and better link together GWF's technical and scientific advancements, whilst promoting further development and training of early career researchers, Indigenization and decolonization of GWF in the spirit of Reconciliation, and engaging with partners and stakeholders.

The meeting will include the following:

- Plenary sessions featuring high level talks by leading scientists on key issues relevant to GWF, as well as highlights of some of the research accomplishments from the GWF Program.
- Parallel thematic oral sessions and poster presentations on Climate and Hydrology, Human dimensions and Hydro-economics and Ecosystems and Water Quality to showcase the remarkable range and quality of research being undertaken across GWF, and to foster collaboration, synthesis and discussions on research impact with partners and users.
- Local Indigenous cultural learning and exchange with a half-day event at Wanuskewin Heritage Park near Saskatoon. The group will participate in a number of different cultural learning activities to enhance knowledge of the history, culture, and worldview of the Indigenous Peoples of the region.
- A public event to explore relevant and important water issues faced in the Canadian Prairies and what GWF is doing in response to the challenges. This will take place the evening of May 14, 2019.
- Professional development opportunities and workshops to build skills, strengthen communication abilities, and enhance collaboration and network-building across GWF and beyond. Workshops will be organized by the GWF Young Professionals (YP) and the Knowledge Mobilization and Communications Teams, and will take place on May 14, 2019.

Meeting Agenda

Tuesday, May 14	
Time/Activity	Description and Location
CFREF Site visit	The CFREF secretariat will be visiting the University of Saskatchewan and GWF facilities, interviewing and meeting with various members of the program. This is an all-day event, ending about 5:30 PM.
13:30 – 17:00 GWF YP workshops, professional development, and other activities	The GWF YP group will organize a series of events during the afternoon. Location: Agriculture Building, U of S Campus Workshops will run concurrently. 1 hour each. Repeated 3 times. Students may rotate through all 3 sessions sequentially, or chose 2/3. Goal is 20-30 students per session. 60-90 students total. <ul style="list-style-type: none"> • Writing for <i>The Conversation</i> – Daniel Hallen • Digital Storytelling – Stephanie Morningstar • KM Toolkit for YPs – Stephanie Merrill, Nancy Goucher • Pizza
17:45	Busses depart USask residence to transport people to Roxy Theatre
18:00 – 19:00	Welcome Reception Location: Roxy Theatre, 320 20th St W, Saskatoon
19:00 – 20:30 GWF Public Event	Water security for the prairies: A public lecture and panel discussion Location: Roxy Theatre, 320 20th St W, Saskatoon The event will include a welcome, keynote address, a video screening, brief remarks by a group of panelists, and a moderated Q&A session. Moderator: Lawrence Martz <ul style="list-style-type: none"> • Welcome and overview of GWF: John Pomeroy • GWF video screening • Keynote: Helen Baulch (Prairie water issues and challenges) • Panel Discussion: Chris Spence, Corinne Schuster-Wallace, Martyn Clark, Patrick Lloyd-Smith, Phil Loring, Graham Strickert, Colin Whitfield, Markus Hecker, Helen Baulch, John Pomeroy (each will briefly respond, then have open Q&A)
21:00	Busses depart Roxy Theatre to transport people to USask residence

Wednesday, May 15		
Time	Description and Location	
07:35	Busses depart from USask residence at 7:35 AM to transport people to TCU Place	
07:45 – 09:00	Arrival, registration, poster set-up, coffee and continental breakfast	
Meeting Introduction and Welcoming Remarks (Room: Salon B,C,D)		
Chair: Chris DeBeer		
09:00 – 09:10	Elder Roland Duquette Wanuskewin, University of Saskatchewan	Opening prayer and welcoming remarks
09:10 – 09:20	Karen Chad VP Research, University of Saskatchewan	Welcome on behalf of the University of Saskatchewan
09:20 – 09:25	Dale Dempsey Programs Director, CFREF	Welcome on behalf of the Canada First Research Excellence Fund

09:25 – 09:35	Jay Famiglietti Director, Global Institute for Water Security, University of Saskatchewan	Welcome on behalf of the Global Institute for Water Security
09:35 – 10:05	John Pomeroy GWF Director, University of Saskatchewan	Meeting introduction, GWF overview & updates
10:05 – 10:30	Morning Break	
Parallel Sessions		
10:30 – 12:30	Four concurrent sessions on 1) Climate and Hydrology, 2) Human Dimensions and Hydro-Economics, 3) Ecosystems and Water Quality, and 4) Modelling.	
Climate and Hydrology – Part 1 (Room: Salon C) Chairs: Dave Rudolph and Sean Carey		
Time	Presenting Author	Presentation Title
10:30 – 10:45	Jesse He	Relating groundwater processes and properties of surficial deposits in the Rockies
10:45 – 11:00	Benjamin Roesky	Variability in groundwater temperature discharging to a first order alpine stream as a function of flow path
11:00 – 11:15	Laura Beamish	Hydrogeologic controls on groundwater discharge to fall and winter streamflow in the Canadian Rocky Mountains
11:15 – 11:30	Zhe Zhang	Modeling Groundwater Response to Climate Change in North America Prairie Pothole Region
11:30 – 11:45	Julie Thériault	Storms and Precipitation Across the Continental Divide Experiment (SPADE): Overview of the current field project
11:45 – 12:00	Brock Tropea	Assessing Past and Future Freezing Rain and Wet Snow Events in Manitoba Using a Pseudo Global Warming Approach
12:00 – 12:15	Mohamed Ali Ben Alaya	An approach for projecting future probable maximum precipitation from regional climate models
12:15 – 12:30	Francis Zwiers	Larger increases in more extreme local precipitation events as climate warms
Human Dimensions and Hydro-Economics – Part 1 (Room: Blair Nelson) Chairs: Roy Brouwer and Sarah Dickson		
Time	Presenting Author	Presentation Title
10:30 – 10:45	Eric Asare	A Sub-Basin Scale Analysis of the Private Costs and Benefits of Wetland Drainage Scenarios
10:45 – 11:00	Oscar Zapata	Equally unequal in income level and water consumption? The analysis of inequality in water consumption in the residential sector
11:00 – 11:15	Syed Mustakim Ali Shah	Integrated Water Resources Planning and Management of the Complex, Transboundary Saskatchewan River Basin in Canada
11:15 – 11:30	Patrick Lloyd-Smith	The Economic Value of Water-based Recreation in Canada
11:30 – 11:45	Leila Eamen	The Economic Response to Water Availability due to Climate and Policy Change in the Saskatchewan River Basin
11:45 – 12:00	Ana Frank	Science for decision making: are we set to provide it?
12:00 – 12:15	Nancy Doubleday	Keys to Adaptive Water Futures: Governance, Engagement and Equity

12:15 – 12:30	Bereket Isaac	Linking Water Governance in Canada to Global Socio-economic Drivers: the Case of Demographic Changes
Ecosystems and Water Quality – Part 1 (Room: Salon D)		
Chairs: Helen Baulch and Emily Cavaliere		
Time	Presenting Author	Presentation Title
10:30 – 10:45	Jessica Turecek	Unifying Ecology, Hydrology and Geomorphology: The Relevance of Eco-hydromorphology as a Potential Supra-discipline in River Research
10:45 – 11:00	David Livingstone	Implementation of an environmental monitoring program in the UNESCO Tsá Tué Biosphere Reserve
11:00 – 11:15	Charles-François de Lannoy	Six Nations Water Quality Assessment
11:15 – 11:30	Patricia Chow-Fraser	Health assessment of water resources in two contrasting indigenous communities in Canada: Six Nations of the Grand River, Ontario and the Lubicon Lake Band, Little Buffalo, Alberta
11:30 – 11:45	Pieter Aukes	Examining the Relationship between Dissolved Organic Matter and Disinfection By-Products in the Northwest Territories
11:45 – 12:00	Izabela Jasiak	Defining a legacy pollution footprint: assessing spatiotemporal patterns of arsenic and other metals in sub-arctic lakes using paleolimnology
12:00 – 12:15	Annie Gray	Addressing Barriers to Community-Based Monitoring through Collaborative Development: A Global Water Citizenship Project
12:15 – 12:30	Ben Bondaruk	An Assessment of Water Quality Using Structural Language of Q-analysis
Modelling (Room: Salon B)		
Chairs: Al Pietroniro and Martyn Clark		
Time	Presenting Author	Presentation Title
10:30 – 10:45	Alain Pietroniro	Accomplishment of Core Modelling Team
10:45 – 11:00	Martyn Clark	Core Modeling plans
11:00 – 11:15	Yanping Li	High-resolution Regional climate simulation for western Canada
11:15 – 11:30	Vincent Vionnet	Multi-scale snowdrift-resolving modelling of mountain snowpack evolution
11:30 – 11:45	Youssef Loukili	Forensic glacial hydrology of the Slims River piracy and the fate of Yukon's Kluane Lake levels
11:45 – 12:00	Juliane Mai	Status report on the Great Lakes Runoff Inter-comparison Project for Lake Erie (GRIP-E)
12:00 – 12:15	Nandita Basu	Beyond the Mass Balance: A Process Based Approach to Modelling Legacy Phosphorus Dynamics
12:15 – 12:30	Maryam Mohammadiazar	Harmonizing Water Resource Modeling with Indigenous ways of knowing: A Collaboration in Water Stewardship of Saskatchewan River Delta
12:30	Busses to depart from TCU Place to Wanuskewin Heritage Park.	
Indigenous Cultural Sharing and Learning at Wanuskewin Heritage Park		
13:00 – 14:00	Arrival, welcome, and lunch at Wanuskewin	

13:30 – 14:00	Darlene Brander, CEO, Wanuskewin Heritage Park, Candace Wasacase-Lafferty, Senior Director, Indigenous Engagement, University of Saskatchewan, & Elder Roland Duquette	Welcome to Wanuskewin, Explanation of cultural, historical, spiritual significance, and Introduction to activities
14:00 – 14:30	Gary Carriere Cumberland House Fishermen's Co-operative	The changing environment of the Saskatchewan River Delta
14:30 – 14:40	Anthony Johnston Mistawasis Nêhiyawak	Past, Present and Future Buffalo Consciousness on the Northern Great Plains
14:40 – 14:50	Ernie Walker Archaeology & Anthropology, University of Saskatchewan	Archeological field digs at Wanuskewin
14:50 – 17:15	Indigenous cultural learning activities: Attendees will divide into groups and take part in various guided activities to advance the understanding of the history, culture and worldview of the Northern Plains Indigenous Peoples. Activities include: <ul style="list-style-type: none"> • Powwow at the amphitheater • Archeological excavation at Wolf Willow site • Arts, crafts, and connections at the Tipi Village • Food sampling from the Saskatchewan River Delta near the main tent • Discussion on the Buffalo hunt at the Processing site Attendees may also explore the Park on a self-guided tour.	
17:15 – 17:45	Round Dance: All attendees to regroup at the main tent for a final Round Dance and farewell	
17:45	Busses to depart from Wanuskewin and transport attendees to downtown Saskatoon and to the USask residence.	
Evening	Meeting attendees are on their own for dinner and other activities	
18:30 – 21:30	YP Networking and Social Location: Basement of Winston's English Pub & Grill, 243 21st St E Activities: highlight year of YP events, introduce new YP exec, hydro trivia, others tbd.	
21:30	Busses depart Winston's Pub and return to USask residence	

Thursday, May 16		
Time	Description and Location	
07:35	Busses depart from USask residence at 7:35 AM to transport people to TCU Place	
07:45 – 08:30	Arrival, late registration, coffee and continental breakfast	
Day-2 Opening and Plenary Sessions (Room: Salon B,C,D)		
Chairs: Phani Adapa and Chris DeBeer		
08:30 – 08:40	Elder Roland Duquette	Opening prayer
Lightning Talks		
08:40 – 08:42	Phillip Mutulu	The Manitoba 2011 Flood: A Review of Hydrometeorological Processes

08:42 – 08:44	Elaine Ho	Comparative review of freshwater monitoring approaches towards consideration of cumulative effects
08:44 – 08:46	Maxime Beaudoin-Galaise	Effects of harvesting and vegetation change on boreal forest water balance and runoff
08:46 – 08:48	François-Nicolas Robinne	Wildfire impacts on freshwater ecosystem services in North American high-latitude forests: a scoping review
08:48 – 08:50	Tyler Prentice	Quantifying the Effectiveness of Reclamation Cover Materials on Soil Moisture Regimes in a Post-Oil Sands Landscape
Keynote Presentation (Chair: John Pomeroy)		
08:50 – 09:20	Roy Rasmussen National Center for Atmospheric Research, Boulder, USA	Global Earth System Modeling of the Water Cycle at Convective Permitting Scales: How do we get there?
Lightning Talks		
09:20 – 09:22	Erin Nicholls	Environmental and physiological controls on transpiration and evaporative partitioning in a white spruce boreal forest, Wolf Creek, Yukon Territory
09:22 – 09:24	Jessica Williamson	Assessing the role of tree growth patterns on the spatial variability of evapotranspiration on a subalpine hill-slope in Kananaskis, Alberta
09:24 – 09:26	Caroline Aubry-Wake	Linking hydrological processes to streamflow variability in an headwater alpine glacierized catchment
09:26 – 09:28	Dylan Hrach	Evaluating the water use efficiency of a sub-alpine wetland
09:28 – 09:30	Amy Hergott	The Rate and Controls of Nitrogen Biogeochemistry in Prairie Potholes, Canada
Keynote Presentation (Chair: John Pomeroy)		
09:30 – 10:00	Bobby Cameron Chief of Federation of Sovereign Indigenous Nations (FSIN)	Indigenous Nations Water Issues
Lightning Talks		
10:00 – 10:02	Emil Sekerinski	re:mote – Low-cost Software and Hardware Infrastructure for Water Quality Sensing in Indigenous Communities
10:02 – 10:04	Ranjan Datta	Water Spirituality: An Indigenous Perspective on Laitu Khyeng Indigenous Community, Chittagong Hill Tracts (CHT), Bangladesh
10:04 – 10:06	Jorge Fabra-Zamora	Towards Eco-centric Water Governance: Principles for the interaction between international, domestic and indigenous water governance systems
10:06 – 10:08	Sophie Wilkinson	Exploring the ecohydrological function and smouldering vulnerability of peat under future climate in fire-prone peatlands
10:08 – 10:10	Nivetha Srikanthan	Evaluation of municipal effluent discharge reveals significant improvements as a result of wastewater treatment plant process upgrades
10:10 – 10:30	Open Discussion, Questions	
10:30 – 11:00	Morning break	
Plenary Sessions (continued) (Room: Salon B,C,D) Chairs: Phani Adapa and Chris DeBeer		

Lightning Talks		
11:00 – 11:02	Nicolas Leroux	Simulation of preferential flow in snow with a 2D non-equilibrium Richards equation
11:02 – 11:04	Weigang Tang	Visualization of hydrography similarity using t-Distribution Stochastic Neighbour Embedding (t-SNE) technique
11:04 – 11:06	Renata Mont'Alverne	Opportunities and constraints in applications of eDNA techniques in environmental assessments of aquatic systems
11:06 – 11:08	Gagan Gill	The development and Testing of Bioavailability Sensors
11:08 – 11:10	Carolyn Ren	Microwave Sensing and Microfluidics for Water Detection
Keynote Presentation (Chair: John Pomeroy)		
11:10 – 11:40	Claudia Pahl-Wostl U. Osnabrück, Germany	Water Governance – from diagnosis to transformative change
Lightning Talks		
11:40 – 11:42	Doug Mulholland	Adding and Incorporating Non-Standard Data to an Existing Data Repository - Driving Square Pegs into Round Holes
11:42 – 11:44	Banani Roy	An Approach for Transferring Software Architecture Knowledge
11:44 – 11:46	Krysha Dukacz	GWF Data Policy Unpacked
11:46 – 11:48	Juliane Mai	The Cuizinart – A tool for automatic subsetting of large gridded datasets and data dissemination in GWF and beyond
11:48 – 11:50		
Keynote Presentation (Chair: John Pomeroy)		
11:50 – 12:20	Helen Jarvie NERC Centre for Ecology & Hydrology, Wallingford, UK	Eutrophication and the nutrient conundrum: challenges and opportunities for water-quality management
12:20 – 12:30	Open Discussion, Questions	
12:30 – 13:50	Lunch (Room: Salon B,C,D)	
Parallel Sessions		
13:50 – 15:50	Three concurrent sessions on 1) Climate and Hydrology, 2) Human Dimensions and Hydro-Economics, and 3) Ecosystems and Water Quality.	
Climate and Hydrology – Part 2 (Room: Salon C)		
Chairs: Julie Thériault and Mike Waddington		
Time	Presenting Author	Presentation Title
13:50 – 14:05	Aaron Berg	Retrieval of soil moisture information in boreal forests
14:05 – 14:20	Manuel Helbig	Increased contribution of peatlands to boreal evapotranspiration in a warming climate
14:20 – 14:35	Brandon Van Huizen	Using Geospatial methods to identify spatial and temporal patterns of Ice-Free Conditions in a Boreal Peatland
14:35 – 14:50	Nicole Balliston	Determining the role of confining layer thickness on peatland drainage in a mine impacted radius
14:50 – 15:05	Matt Morison	Peaty Scorch: Boreal Peatlands Show Reduced Evapotranspiration and Productivity 2-3 Years Post-Burn
15:05 – 15:20	Sylvain Jutras	Forest hydrology research at the Forêt Montmorency, Québec
15:20 – 15:35	Alanna Bodo	Understanding the effects of different forest management regimes on water fluxes in a temperate pine plantation
15:35 – 15:50	Stéfan Sauer	Development and testing of an integrated ecohydrological modelling system (MESH-CTEM)

Human Dimensions and Hydro-Economics – Part 2 (Room: Salon B) Chairs: Corinne Schuster-Wallace and Patrick Lloyd-Smith		
Time	Presenting Author	Presentation Title
13:50 – 14:05	Philip Loring	Unpacking wicked water problems: conflict and agricultural water management in the prairies
14:05 – 14:20	Mohammad Ghoreishi	An Agent-Based Agricultural Water Demand modeling for Human Adaptive behaviors
14:20 – 14:35	Sarah Newell	Small community response to forest fires and flooding in the Boreal.
14:35 – 14:50	Terry Mitchell	First Nations on Indigenous water Stewardship and Community-based Monitoring
14:50 – 15:05	Meghan Brockington	On-the-Land with Communities in the Northwest Territories: Engaging, Educating, and Empowering Indigenous Youth
15:05 – 15:20	Dawn Martin-Hill	Water as medicine: Digital storytelling as a tool in documenting water anxiety in Indigenous youth in Six Nations
15:20 – 15:35	Christine Wekerle	Indigenous youths' relationships with water: Trauma, advocacy, and resilience
15:35 – 15:50	Robert Patrick	Kikawinaw Askiy: Climate Change Adaptation Planning at Okanese First Nation, Treaty 4 territory, Saskatchewan
Ecosystems and Water Quality – Part 2 (Room: Salon D) Chairs: Colin Robertson and Nandita Basu		
Time	Presenting Author	Presentation Title
13:50 – 14:05	Amir Chegoonian	Remote sensing of lakes to detect and map harmful algal blooms: First steps toward an early warning system for small inland waterbodies
14:05 – 14:20	Melani-Ivy Samson	The Urban Metabolism of the Greater Toronto Area: A Study of Nitrogen and Phosphorus across an Urban, Suburban, and Rural Continuum
14:20 – 14:35	Will Plier	Agricultural edge of field phosphorus losses in Ontario, Canada: Importance of the non-growing season in cold regions
14:35 – 14:50	Jian Liu	Agricultural Water Quality in Cold Climates: Processes and Management Options
14:50 – 15:05	Serghei Bocaniov	On the role of a large shallow lake in modulating phosphorus loads to Lake Erie
15:05 – 15:20	Homa Kheyrollah Pour	Effects of Winter Conditions on Chlorophyll and Temperature in Lake Erie and Lake Ontario
15:20 – 15:35	Erin Murphy-Mills	Exploring Drivers of Eutrophication in the Western Lake Erie Basin
15:35 – 15:50	Diogo Costa	The Nutrient App: Promoting beneficial management practices acceptance through on-farm instantaneous community-based nutrient sampling
Poster and Networking Session (Room: Salon A,E)		
15:50 – 18:30	Poster session and networking session (cash bar and Hors d'oeuvres starting at 5:00 PM during the poster session)	
18:30 – 21:00	Banquet dinner (Room: Grand Salon) Banquet speaker (19:30 – 20:00). (Chair: John Pomeroy)	

	Thoughts on Water: Challenges and Opportunities for Canada David Grimes President of the World Meteorological Organisation and Assistant Deputy Minister in charge of the Meteorological Service of Canada for ECCC
20:30 & 21:00	Busses to transport attendees back to the USask residence

Friday, May 17		
Time	Description and Location	
07:35	Busses depart from USask residence at 7:35 AM to transport people to TCU Place	
07:45 – 08:30	Arrival, coffee and continental breakfast	
Parallel Sessions		
08:30 – 10:30	Three concurrent sessions on 1) Climate and Hydrology, 2) Human Dimensions and Hydro-Economics, and 3) Ecosystems and Water Quality.	
Climate and Hydrology – Part 3 (Room: Salon C)		
Chairs: Saman Razavi and Phil Marsh		
Time	Presenting Author	Presentation Title
08:30 – 08:45	Kriti Mukherjee	Reanalysis of long-term mass balance records of Peyto and Place Glacier
08:45 – 09:00	Branden Walker	Seasonal development of tundra snow depth and water equivalent using UAS remote sensing and in-situ observations
09:00 – 09:15	Evan Wilcox	Controls on Hydrological Variability of Tundra Lakes in the Mackenzie Delta Uplands
09:15 – 09:30	Michael English	Water security and hydroelectric power generation in the Northwest Territories
09:30 – 09:45	Lindsey Langs	A mixed methods approach to quantifying and understanding subalpine forest water use during two hydrologically differing growing seasons in the Canadian Rocky Mountains
09:45 – 10:00	Mohanad Zaghloul	Toward identifying a seasonal streamflow marginal distribution for Canada
10:00 – 10:15	Kevin De Haan	Investigating Effects of Environmental Properties on Water Use Efficiency and Growth of Maize and Alfalfa crops in Southern Ontario
10:15 – 10:30	Bruce MacVicar	Local and Network Scale Changes to Sediment Transport in Urban River Channels
Human Dimensions and Hydro-Economics – Part 3 (Room: Salon B)		
Chairs: Graham Strickert and Anthony Johnston		
Time	Presenting Author	Presentation Title
08:30 – 08:45	Bill Marion	Impacts of Flooding: Lived Experiences in Two Saskatchewan First Nation Communities
08:45 – 09:00	Lori Bradford	A Social Psychology of Flooding on Reserves in Saskatchewan
09:00 – 09:15	Anuja Thapa	A Participatory Approach to Enhance and Measure Social Learning for Flood Preparedness in Mistawasis Nêhiyawak
09:15 – 09:30	Miguel Sioui	Learning to be Part of the Land: Directives for Research with Indigenous Peoples
09:30 – 09:45	Nidhi Nagabhatla	Leaving No One Behind’- Guiding vision for Global Water Security

09:45 – 10:00	Kasra Keshavarz	Assessing the viability of transboundary waters agreements under future climate change scenarios – A case study of the Saskatchewan River Basin
10:00 – 10:15	Hayley Carlson	Scenario development from policy discourse in the Nelson-Churchill basin
10:15 – 10:30	Sheri Andrews-Key	Climate Change Adaptation within the Boreal Forest: Linkages between science, management, and policy in sustainable forest management in a Canadian context.
Ecosystems and Water Quality – Part 3 (Room: Salon D) Chairs: Philippe Van Cappellen and Mark Servos		
Time	Presenting Author	Presentation Title
08:30 – 08:45	Yuwei Xie	Environmental (DNA) metabarcoding for ecotoxicological assessment of anthropogenic activities
08:45 – 09:00	Peter Kruse	Chemiresistive Sensing Platform for Water Quality Monitoring
09:00 – 09:15	Paul Jones	Next Generation Aquatic Chemistry
09:15 – 09:30	Vinay Patel	Non enzymatic real time phosphate detection using potentiometry
09:30 – 09:45	M. Altaf Arain	Southern Forests Water Future - Ecohydrological responses of different-age conifer and deciduous forests to climate variability and extreme weather events
09:45 – 10:00	Calvin Lei	Effects of elevation on vegetation diversity in Rocky Mountain peatlands.
10:00 – 10:15	Nicola Day	Drivers of land cover change after large fire disturbance in boreal forests
10:15 – 10:30	Katherine Dearborn	Drivers of tree mortality and recruitment in a boreal peatland experiencing permafrost thaw
10:30 – 11:00	Morning break	
Communications Plenary (Room: Salon B,C,D) Chair: Kathryn Warden		
11:00 – 12:00	Scott White Editor of The Conversation Canada	Telling Your Research Story – Presented on behalf of the Communications Core Group Scott White will explain how academics can get their research and knowledge known to a wider, non-academic audience. He will take you behind the scenes to show how authors work with The Conversation's editors to create content that is often viewed across the country and around the world. Authors have access to a dynamic analytics dashboard which shows how many times their articles are viewed and what media outlets have published them. Participants are encouraged to bring story ideas to the presentation.
Meeting Closing (Room: Salon B,C,D)		
12:00 – 12:20	Final remarks and meeting closing, John Pomeroy Closing prayer by Elder Roland Duquette	
12:20 – 13:40	Lunch and Departure (Room: Salon B,C,D)	