



CanSISE Workshop 2017 Program

Day 1 - Wednesday November 1st, 2017

07:30-08:30	Breakfast at the Inn at Laurel Point	
Session	Deliverable 1/Themes A and C	
08:30-09:00	CanSISE Overview, Workshop Goals, Introductions	Paul Kushner
09:00-09:30	Migration of CanSISE-enabled cryospheric predictions to ECCO operations	Bill Merryfield
09:30-09:55	The impact of simulated surface albedo biases on climate	Chad Thackeray
09:55-10:20	Assessing land-surface initialization in CanSIPS using bias-corrected operational GEM analysis	Manoj Kizhakkeniyil
10:20-10:50	Break	
10:50-11:15	Sensitivity analysis of simulated snow processes in the Canadian LAnd Surface Scheme (CLASS) using machine learning methods	Bakr Badawy
11:15-11:40	Simulation of sub-canopy longwave radiation beneath montane and boreal forests in CLM4.5	Chris Fletcher
11:40-12:05	Climate Feedbacks in the Sub-Arctic Boreal	Tyler Herrington
12:05-12:30	Using sea-ice deformation fields to constrain the mechanical strength parameters of geophysical sea-ice	Amelie Bouchat
12:30-13:30	Lunch	
13:30-13:55	The dependence of energy dissipation and sea-ice mechanical properties on spatial resolution in a viscous-plastic model	Bruno Tremblay
13:55-14:20	Impact of ocean heat flux partitioning between Barents Sea Opening, Bering Strait and Fram Strait on rapid sea ice declines in the Arctic	Gabriel Auclair
14:20-14:45	The function of Vorticity Input in the partitioning of Ocean Heat between the Fram Strait and the Barents Sea Gate	Bimochan Niraula
14:45-15:10	What is the role of sea ice loss in the 'warm Arctic - cold continents' pattern	Russell Blackport
15:10-15:35	Remarkable separability of circulation response to Arctic sea ice loss from greenhouse gas forcing	Kelly McCusker
15:35-16:00	Break	
16:00-16:25	Respective roles of direct GHG radiative forcing and induced Arctic sea ice loss on the Northern Hemisphere atmospheric circulation	Thomas Oudar
16:25-16:50	How robust is the atmospheric response to Arctic sea ice loss in isolation?	Stephanie Hay
16:50-17:15	Deliverable 1/Themes A and C Discussion	
17:15-17:45	HQP Chat	
17:45	Adjourn	
19:00	Dinner at Canoe Brewpub, 450 Swift St, Victoria	



CanSISE Workshop 2017 Program

Day 2 - Thursday November 2nd, 2017

08:00-09:00	Breakfast at the Inn at Laurel Point	
Session	Deliverable 1/Themes A and C continued	
09:00-09:25	Snow and soil freeze thaw state initialization in land surface models	Aaron Berg
09:25-09:50	Estimating SWE from gridded products, a simple snow model and terrain covariates via machine learning	Drew Snauffer
Session	Deliverable 2&4/Theme A/C	
09:50-10:20	Deliverable 2	Chris Derksen and Lawrence Mudryk
10:20-10:40	Break	
10:40-11:05	Exploring spatial and temporal variations in Northern Hemisphere snow-cover trends derived from the NOAA - Rutgers climate data record	Stephen Dery
11:05-11:30	Parameterizing the radar-scale roughness of snow on sea ice using a wavelet-based approach	Thomas Newmann
11:30-11:55	Winter Sentinel-1 synthetic aperture radar backscatter as a predictor of spring melt pond fraction on sea ice	Randall Scharien
11:55-12:20	Comparing L- and C-band synthetic aperture radar estimates of sea ice motion over different ice regimes	Stephen Howell
12:20-13:30	Lunch	
13:20-13:50	Deliverable 2&4/Theme A/C Discussion	
Session	Deliverable 3/Theme B/N2W	
13:50-14:20	Deliverable 3	Francis Zwiers
14:20-14:50	Towards attribution of decadal-scale climate events	Laurent Terray
14:50-15:15	2017 BC wildfires from an event attribution perspective	Megan Kirchmeier- Young
15:15-17:15	Admin meeting (brief break before hand)	
17:15	Adjourn	
18:30	Dinner at Milestones, 812 Wharf St, Victoria	



CanSISE Workshop 2017 Program

Day 3 - Friday November 3rd, 2017

08:30-09:30	Breakfast at the Inn at Laurel Point	
Session	Deliverable 3/Theme B/N2W continued	
09:30-10:00	Projecting future streamflow changes: A dry subject?	David Pierce
10:00-10:25	The changing character of extreme streamflow in the Fraser River Basin in the 21st century	Charles Curry
10:25-10:50	Assessing projected changes in streamflow variability and snow-dominant regimes in the Fraser River Basin, British Columbia	Siraj Ul Islam
10:50-11:20	Revised cumulative carbon budgets and the feasibility of limiting global warming to 1.5°C	Nathan Gillett
11:20-11:45	Ice-free projections under the Paris agreement	Michael Sigmond
11:45-12:30	Deliverable 3 / Theme B / N2W / Final Discussion	
12:30	Adjourn	
