Day 1: Wednesday, 11:00 – 18:45 — October 30th, 2013

Session 1	Overview of S/SI Simulations and Observations	Chair: Paul Kushner
11:45 - 12:45	Lunch	
13:00 - 13:05	Welcome, workshop & Session 1 goals	Paul Kushner
13:05 - 13:35	IPCC WG-1 Overview	Greg Flato
13:35 - 14:05	Observed and Projected High Latitude Regional Climate Change	Francis Zwiers
14:05 - 14:35	Seasonal to decadal prediction of the Arctic Oscillation	Doug Smith
14:35 - 15:05	Arctic field and satellite observations	Christian Haas
15:05 - 15:35	Break	
15:35 - 15:50	• Session 1 synthesis & discussion	Paul Kushner

Session 2	Themes 1 & 3: Early Research Results	Chair: John Fyfe
15:50 - 15:55	Overview of CanSISE themes 1 & 3, session 2 goals	John Fyfe
15:55 - 16:20	Results from EC's CanSIPS prediction system	Bill Merryfield
16:20 - 16:45	Research on land surface processes, snow assimilation, and integration with CanSISE	Aaron Berg
16:45 - 17:10	Observation-based snow analyses: modeling applications	Chris Derksen
17:10 - 17:30	Interim Session 2 synthesis & discussion	John Fyfe
17:30 - 17:45	Break	
17:45 - 18:45	Informal discussion with students, PDFs, RAs, and funded PIs	
19:30	Network dinner	

Day 2: Thursday, 07:30 – 17:40 — October 31st, 2013

Session 2 (cont.)	Themes 1 & 3: Early Research Results	Chair: Bill Merryfield
7:30 - 8:30	Breakfast	
8:30 - 8:35	Welcome, previous day update	Bill Merryfield
8:35 - 9:00	One hundred years of Arctic surface temperature variation due to anthropogenic influence	John Fyfe
9:00 - 9:25	Northern Hemisphere snow trends in observations and large ensemble simulations	Paul Kushner
9:25 - 9:50	Seasonal forecasts of Arctic sea ice area	Michael Sigmond
9:50 - 10:10	Session 2 synthesis & discussion	Bill Merryfield
10:10- 10:40	Break	

Session 3	S/SI in EC Prediction Systems	Chair: Francis Zwiers

10:40 - 10:45	Welcome, background and goals of session 3	Francis Zwiers
10:45 - 11:10	CCCma model development plans as they relate to the themes of CanSISE (i.e. sea ice and snow simulation)	John Scinocca
11:10 - 11:35	CanSIPS prediction system development plans	Bill Merryfield
11:35 - 12:00	CCCma research on radiative forcings (black carbon,methane, etc.) relevant to snow and sea ice	Knut von Salzen
12:00 - 12:25	Advances in land surface modelling and data assimilation at EC : Focus upon improved analysis of snow cover	Marco Carrerra
12:25 - 13:45	Lunch	
13:45 - 14:00	Session 3 synthesis & discussion	Francis Zwiers
Session 4	**Integrating CanSISE Research**	**Chair: Stephen Dery**
14:00 - 14:05	Welcome, background and goals of session 4	Stephen Dery
14:05 - 14:30	Sea ice observations and process parameterization, connections to CanSISE	Bruno Tremblay
14:30 - 14:55	Research on snow processes and feedbacks, and integration with CanSISE	Chris Fletcher
14:55 - 15:20	Large-scale snow water equivalent measurement in British Columbia: an evaluation of gridded data products	Andrew Snauffer
15:20 - 15:45	Research on snow/hydroclimate processes and trends, integration with CanSISE	Stephen Dery
15:45 - 16:15	Break	
Session 5	**Review, Next Steps, Deliverable 1**	**Moderator: Paul Kushner**
16:15 - 17:30	Panel Discussion 1) Prediction system development 2) Integration of research 3) Use of observations: issue and opportunities 4) Deliverable 1 Report	Kushner, Fyfe, Zwiers, Derksen
17:30 - 17:40	Wrap-up comments	Bob, Paul