

26th Annual CESM Workshop Polar Climate and Land Ice WORKING GROUP MEETING

Thursday, June 17

** All times are Mountain Time*

Time	Topic / Title	Speaker
8:30	LIWG Welcome	Jan Lenaerts
8:35	PCWG welcome	Hansi Singh
Convenor: Bill Lipscomb		
8:40	Understanding and improving the representation of mountain glaciers in CESM	René Wijngaard
8:50	Explaining the transient and equilibrium responses of the AMOC to global warming in coupled climate models	David Bonan
9:00	Source attribution of Arctic black carbon and sulfate aerosols and associated Arctic surface warming during 1980-2018	Lili Ren
9:10	Arctic amplification and its seasonal cycle in response to abrupt CO ₂ forcing	Yu-Chiao Liang
9:20	An updated sea ice concentration climate data record for long-term hemispheric and regional trends and variability	Walter Meier
Convenor: Hansi Singh		
9:30	Posters and Break	
Convenor: Marika Holland		
10:00	A data assimilation application for improving estimates of Arctic sea ice thickness variability and change since the turn of the 21st century	Molly Wieringa
10:10	Improving model-satellite comparisons of sea ice melt onset with a satellite simulator	Abigail Smith
10:20	Realism of simulated internal variability in Arctic sea ice	Chris Wyburn-Powell
10:30	Impacts of sea ice mushy thermodynamics in the Antarctic on the coupled Earth system	Alice DuVivier
10:40	A machine learning model of Arctic sea ice	Cecilia Bitz
10:50	Break/discussion	
Convenor: Jan Lenaerts		
11:00	Spatial analysis of the Greenland Ice Sheet surface energy balance evolution in an idealised warming scenario with the dynamically coupled CESM2-CISM2	Laura Muntjewerf

11:10	Damage mechanics formulations for simulating calving in shallow ice flow models	Ravindra Duddu
11:20	Investigating the formation of ice streams across the North American ice sheet complex at 26ka and 21ka	Sarah Bradley
11:30	Discussion Breakouts	
12:00	Adjourn	