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**Community Earth
System Model**

Polar Climate / Land Ice Working Group Agenda 31st Annual CESM Workshop June 16th, 2026

Tuesday, June 16th, 8:30- 12:30 pm

** All times are MST; Speakers: 10 min talk. Please leave 2 min at the end of your slot for questions.*

Time	Topic	Speakers	Organization
8:30	Welcome		
	LIWG		
8:35	Accelerated Greenland Ice Sheet Melt Influences South Asian Precipitation	Shrayasi Samanta (REMOTE)	Indian Institute Of Tropical Meteorology
8:45	Towards Long Paleoclimate Simulations of Antarctica: Updates to the Community Ice Sheet Model	Ishraque Fairuz (REMOTE)	Princeton University
8:55	Cascading Arctic Impacts of Boreal Forest Changes: A Paleoclimate Counterpart	Bette Otto-Bliesner	NSF NCAR
9:05	Greenland ice sheet - atmosphere interactions over 1000 years from a coupled regional climate and ice sheet model	Cloe Marie Paice (REMOTE)	VUB, Belgium
9:15	CESM2-CISM2 simulations of future multi-century Greenland ice sheet melt for a suite of forcing scenarios	Miren Vizcaino	TU Delft
9:25	Linking Southern Ocean Ice-Rafted Debris flux to Antarctic Ice Sheet dynamics	Pranaykumar Tirpude	University of Delaware
9:35	Damage modulates calving of the Pine Island glacier: an analysis of deformation from SAR velocities	Taco Broerse (REMOTE)	Delft University of Technology
9:45	Approximating 3D bedrock deformation in an Antarctic ice-sheet model for projections	Caroline van Calcar (REMOTE)	Delft University of Technology
09:55	ISMIP7 simulations with CISM3	Bill Lipscomb	NSF NCAR
10:05	Additional time for questions to the morning speakers	Gunter Leguy (moderator)	
10:15-10:45	Break		
	PCWG		
10:45	Sea Ice in CESM3	David Bailey	NSF NCAR
10:55	seaIc Ponds: a New Sea Ice Melt Pond Parameterization for CESM3	David Clemens-Sewall	University of Colorado

			Boulder
11:05	Machine learning-based parameterization of floe perimeter for CESM	Diajeng Wulandari Atmojo	University of Bremen
11:15	LENS2 and Multi-Model Insights on the Internal Variability of a Changing Arctic Sea Surface	Leo Balcer	University of Wisconsin-Madison
11:25	Rethinking sources of predictability for Antarctic storms	Christine Shields	NSF NCAR
11:35	The ARTMIP Polar Synthesis: A comparative analysis of polar atmospheric river tracking methods in historical and future climate states	Joey Schnaubelt (REMOTE)	University of Connecticut
11:45	Surface Darkening of Surviving Arctic Sea Ice Accelerates Radiative Forcing	Joseph Rotondo (REMOTE)	University of Washington
11:55	Artificial flooding for Arctic sea ice rethickening - merging fieldwork and modeling	Ed Blanchard-Wrigglesworth	University of Washington
12:05	Trade-offs between Climate Benefits and Ecological Costs for Ocean Iron Fertilization	Jun Yu (REMOTE)	University of California, Irvine
12:15	Discussion: Modeling contributions to major polar field efforts (e.g. IPY 2032, Antarctica INSYNC): How can/should the PCWG or LIWG be involved to coordinate modeling efforts across the community?	Alice DuVivier moderator	NSF NCAR

Posters

	Diagnosing Estuary Box Model and River Heat Contributions to Arctic SSS Bias in CESM2	Jung Hyun Park	Pukyong National Univ./ KOPRI
	Impacts of Habit-Weighted Ice Microphysics on High-Latitude Cloud Properties in CAM6/CESM2	Hyun-Joon Sung	Pukyong national university
	Development of Crop-Specific Response Functions to Tropospheric Ozone	Will Selvidge	Colorado State University