

Polar Climate Working Group (PCWG)

30th Annual CESM Workshop
June 10th, 2025

Tuesday, June 10th, 1:00 pm – 3:00 pm

** All times are MDT; **Speakers:** 15 minutes total for each speaker. Plan for a 10-12 min. talk and please leave 3-5 min at the end of your slot for questions.*

Time	Topic	Speakers
	Polar	
1:00	Introduction/Welcome	Co-chairs
1:00	Observation-oriented CAM6 experiments on Southern Ocean Cloud Condensation Nuclei and Clouds	Qing Niu
1:15	Exploring the Local Atmospheric Response to Antarctic Sea Ice Loss	Chloe Boehm
1:30	C-ICESat-2: a (short) constrained estimate of global sea ice thickness from daily laser altimeter freeboard observations	Molly Wieringa
1:45	Constraining CMIP6 and CESM sea ice simulations with ICESat-2	Alek Petty [VIRTUAL]
2:00	Where does snow become rain with atmospheric warming?	Jennifer Kay
2:15	Isolating the Contribution of Observed Winds to Recent Arctic Warming and Sea Ice Loss	Ash Gilbert
2:30	Simulating microplastics in the Arctic using CESM2	Lingwei Li
2:45	Polar Biases in the CESM3 Development Simulations	David Bailey
3:00	Adjourn	

Posters

	Wintertime surface air temperature relationship between Arctic and Eurasia in the past 6,000 years of the late Holocene transient climate simulation	Sang-Yoon Jun
	sealvl ponds: a new melt pond parameterization in CICE for CESM3	David Clemens-Sewall