

CESM POLAR CLIMATE WORKING GROUP WINTER WG MEETING

Tuesday February 6, 2024

* All times are MST; **Speakers:** please leave 5 min at the end of your slot for questions.

Time	Topic	Speakers
	Morning PCWG Session Damon Room	
08:50	Welcome	Co-chairs
09:00	Understanding the extreme Antarctic sea ice anomaly of winter 2023 with CESM2	Ed Blanchard-Wrigglesworth (In person)
09:20	Greenhouse gasses, aerosols, and La Nina!? CESM2 reveals what matters for Antarctica's surface mass balance history	David Schneider (In person)
09:40	Comparing CMIP6/CESM2 sea ice simulations with the modern-era satellite altimetry record of freeboard and thickness	Alek Petty (Remote)
10:00	Break	
	PCWG Session Continued Damon Room	
10:20	The impact of definition differences on projections of an ice-free Arctic	Alexandra Jahn (In person)
10:40	An Earlier Ice-Free Arctic is Expected due to the Current Realization of Pacific Decadal Variability	Chris Wyburn-Powell (In person)
11:00	A Comparison of the Seasonal Ocean Heat Gain from Three Reanalyses Across the Arctic Ocean	Megan Helmberger (In person)
11:20	Increasing importance of North American-sourced moisture transport in the summertime Arctic water vapor feedback	Ian Baxter (Remote)
11:50	Lunch	

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Time	Topic	Speakers
	<i>Afternoon PCWG Session Damon Room</i>	
13:00	Update on plans for CESM3 and diagnostics	David Bailey (In person)
13:20	Sea ice modeling activities at CMCC	Lorenzo Zampieri (In person)
13:40	Too shallow: A deep dive into melt ponds in Icepack and observations	David Clemens-Sewall (In person)
14:00	Break	
	<i>PCWG Session Continued Damon Room</i>	
14:20	Large future changes in the North Water Polynya are most likely if global warming exceeds 2°C	Jed Lenetsky (In person)
14:40	Evaluating the frequency, magnitude, and biogeochemical impacts of under-ice phytoplankton blooms	Courtney Payne (In person)
15:00	A Breakdown of the Arctic Warming Trend	Ash Gilbert (In person)
15:20	Update on CESM2-CMIP5 simulations and their value for polar climate studies	Marika Holland (In person)
15:40	Discussion - Diagnostics, Experiments, Future Modeling Needs	Co-chairs
16:00	<i>Adjourn</i>	