



**POLAR CLIMATE
WINTER WORKING GROUP MEETING**

March 2025

Monday, March 3rd

** All times are MST; **Speakers:** (15 min total: 12 min talk + 3 min for questions)*

Time	Topic	Speakers
12:55 PM	Welcome and Logistics	
1:00 PM	Isolating the Contribution of Observed Winds to Recent Arctic Warming and Sea Ice Loss	Ash Gilbert
1:15 PM	How Do Intense Summer Cyclones Impact the Arctic Marginal Ice Zone in the CESM2 Large Ensemble? (REMOTE)	Claire Mundi
1:30 PM	Modelling Sea Ice Thickness Evolution with Icepack During MOSAiC Expedition	Xiaochun Wang
1:45 PM	Ongoing and projected climate change in the Bering and Chukchi seas region and community perspectives	Laura Landrum
2:00 PM	Break	
2:30 PM	End-of-century Arctic Ocean phytoplankton blooms start a month earlier due to anthropogenic climate change	Courtney Payne
2:45 PM	The Changing Antarctic Environment and its Impact on Ecosystems	Alice DuVivier
3:00 PM	First Impressions of ACCESS-S2 Antarctic Sea Ice Forecast	Elio Campitelli
3:15 PM	Exploring changing variance and persistence of Antarctic sea ice anomalies in CESM	Marika Holland
3:30 PM	Group Discussion - Science For Society	
4:30 PM	Adjourn	

Tuesday, March 4th

** All times are MST; **Speakers:** (15 min total: 12 min talk + 3 min for questions)*

Time	Topic	Speakers
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8:25 AM	Welcome and Logistics	
8:30 AM	Fracture of sea ice by ocean surface waves in CESM3 (REMOTE)	Lettie Roach
8:45 AM	Machine-learned sea ice bias correction in a global fully-coupled climate model	Will Gregory
9:00 AM	Constraining CMIP6 sea ice simulations with ICESat-2 (REMOTE)	Alek Petty
9:15 AM	From flakes to floes: snow in the changing Arctic sea-ice system	Melinda Webster
9:30 AM	Advanced Snow Physics in E3SM	Elizabeth Hunke
9:45 AM	sealvl ponds: a new melt pond parameterization for CICE	David Clemens-Sewall
10:00 AM	Break	
10:30 AM	CESM3 update + CUPiD	David Bailey
10:45 AM	Group Discussion - CESM3 and plans for release	
11:45 AM	Lunch	
1:00 PM	Antarctic atmospheric rivers impact on climate	Christine Shields
1:15 PM	Projections and Physical Drivers of Extreme Precipitation in Greenland & Baffin Bay (REMOTE)	Nicole Loeb
1:30 PM	Exploring the Influence of Internal Climate Variability and Forced Change on Arctic Greening	Daniel Hueholt
1:45 PM	Drivers of Arctic Rapid Sea Ice Loss Events in CESM2	Annelies Stickler
2:00 PM	Interpretation of Recent Antarctic Sea Ice Loss: The Key Role of the Southern Annular Mode During the Seasonal Sea Ice Maximum	Chloe Boehm
2:15 PM	Break	
2:45 PM	Group Discussion - Future developments (CESM3+), WG coordinated experiments, etc.	
4:00 PM	Adjourn - optional happy hour down the hill	