

## CESM POLAR CLIMATE WORKING GROUP MEETING 10 FEBRUARY 2021

**Wednesday, February 10**

*\* All times are MST*

Time	Topic	Speakers
9:30	Welcome and PCWG updates	H. Singh, D. Bailey, and M. Holland
9:40	Using multiple large ensembles to elucidate the discrepancy between the 1979-2019 modeled and observed Antarctic sea-ice trends	Rei Chemke, Weizmann Institute of Science
9:55	Coupled impacts of sea ice thermodynamics due to Antarctic coastal ice production	Alice DuVivier, NCAR
10:10	The influence of sea ice mean state on climate change and variability in the Community Earth System Model version 2	Jennifer Kay, U. Colorado
10:25	Subgrid-Scale Sea Ice Leads in CESM	Hannah Director, Colorado School of Mines
10:40	Break	
10:55	Atmospheric Observations from MOSAiC	Matthew Shupe, U. Colorado/NOAA
11:05	Sea ice observations from MOSAiC	David Clemens-Sewall, Dartmouth Madison Smith, U. Washington
11:25	Observations of the surface and atmosphere from remotely-piloted aircraft during MOSAiC	Gijs de Boer, U. Colorado
11:40	Discussion: Antarctic research priorities, Making use of observations for model assessment and development	
12:00	Lunch Break	
1:00	Influence of Arctic sea-ice loss on the Greenland ice sheet surface mass balance	Raymond Sellevoid, Delft University of Technology
1:15	Nudging observed winds in the Arctic to quantify associated sea ice loss in the past decades	Qinghua Ding, UCSB
1:30	Stronger Arctic Amplification from Ozone-Depleting Substances than from Carbon Dioxide	Yu-Chiao Liang, Lamont-Doherty Earth Observatory
1:45	The recent emergence of Arctic Amplification	Mark England, Scripps Institution of Oceanography
2:00	Break	
2:15	Summertime low clouds mediate the impact of the large-scale circulation on Arctic sea ice	Yiyi Huang, NASA Langley
2:30	Impact of CMIP6 biomass burning emissions on Arctic sea ice loss	Patricia DeRepentigny, U. Colorado
2:45	Explaining and constraining the spread in projections of Arctic sea ice	Dave Bonan, California Institute of Technology
3:00	Realism of simulated internal variability in Arctic sea ice	Chris Wyburn-Powell, U. Colorado
3:15	Interactions among Arctic cyclones, atmospheric rivers, and sea ice in a warming climate	Steve Vavrus, U. Wisconsin-Madison
3:30	Discussion, Arctic research priorities	
4:00	Adjourn	