

Polar CESM Workshop June 12th, 2024

Wednesday, June 12th

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

Time	Topic	Speakers
13:00	Welcome	Alice DuVivier and Hansi Singh
13:05	Isolating the Influence of Temperature-dependent Cloud Optics on Infrared Radiation within a Model Hierarchy	Ash Gilbert
13:17	Exploring the Effects of AMOC Weakening on Arctic Amplification	Yu-chi Lee
13:29	Water sources and land capacitor effects driving observed summer Arctic moistening and warming	Ian Baxter
13:41	Sea ice feedbacks cause more greenhouse cooling than greenhouse warming at high northern latitudes on multi-century timescales	Jen Kay
13:53	Large future changes in the North Water Polynya are most likely if global warming exceeds 2C	Jed Lenetsky
14:05	Impacts of regional grid refinement on climate extremes over the Arctic in storyline-based VR-CESM simulations	Rene Wijngaard**
14:17	Assessing the summer mass balance and meltwater storage of Arctic sea ice	Maddie Smith**
14:29	Arctic ice-ocean circulation modeling: recent improvements and applications	Kate Hedstrom**
14:41	Model biases in simulating extreme sea ice loss	Edward Blanchard-Wrigglesworth**
14:53	<i>General Discussion</i>	Alice DuVivier and Hansi Singh
15:00	BREAK	
15:30	Impacts of Arctic Atmospheric Rivers on sea-ice in a changing climate: Exploring uncertainties in impacts based on definition of 'extreme event' in a warming climate	Rudradutt Thaker
15:42	Quantifying the potential predictability of Arctic primary production	Courtney Payne
15:54	Regional multi-year predictability of Antarctic sea ice	Marika Holland
16:06	Defining human-relevant extremes, lessons from the field and need for integrative metrics for climate models across scales	Laura Landrum
16:18	<i>General Discussion</i>	Alice DuVivier and Hansi Singh
16:30	Session End	