

CESM Polar Climate Working Group Meeting
29 – 30 January 2014
National Center for Atmospheric Research –Mesa Lab
Boulder, Colorado

WEDNESDAY, 29 January – Damon Room

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **4971358**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **4971358**

8:30 *Coffee*

9:00 Welcome and logistics

Co-chairs

High Latitude Climate Model Evaluation and Development

9:10 Sensitivity of sea ice age to physical parameterizations and resolution

Elizabeth Hunke

9:30 Analysis of complexity in Arctic sea ice and comparison to CICE
model results

Ute Herzfeld

9:50 Sea ice in the CESM-CAM5 Large Ensemble

Alexandra Jahn

10:10 Discussion

(Confronting CESM polar processes with observations, Jahn CliC, Sea ice prediction network)

10:30 *Break*

11:00 MPAS-CICE development progress

Adrian Turner

11:20 CESM High Resolution ASD Simulations

Justin Small

11:40 Discussion (CMIP6/CESM2.0)

12:00 *Lunch (on your own)*

Polar Trends, Predictability, Teleconnections

1:30 Decreasing temperature variability over the mid- to high-latitude
Northern Hemisphere in a warming climate

James Screen

1:50 The climate response to sudden summertime sea ice loss in CCSM4

Russell Blackport

2:10 Exploring current and future Arctic TOA radiative fluxes in CMIP5 models

Jason English

2:30 Can regional climate engineering save the summer Arctic sea ice?

Simone Tilmes

2:50 *Break*

3:20 The role of oceans in transient polar climate change

Kyle Armour

3:40 Southern Ocean SST and Antarctic sea ice trends

Tingting Fan

4:00 Wind increase over cooling Southern Ocean driven by tropical warming
and polar ozone hole

Dave Schneider

4:20 Discussion (Science, CMIP6/CESM2.0)

5:00 *Adjourn*

THURSDAY, 30 January – Main Seminar Room

Webcast: >>>> Webcast: www.fin.ucar.edu/it/mms/ml-live.htm <<<<

Joint Session with LIWG

8:30	<i>Coffee</i>	
9:00	Co-chairs welcome and logistics	
9:10	Recent CESM science and model development: SMB variability, emergent SMB signals, and CESM/CISM atmosphere-topography	Jeremy Fyke
9:30	Ice sheet model validation	Steve Price / Jeremy Fyke
10:00	CESM over Greenland: Ice sheet versus ice-free regions	Miren Vizcaino
10:30	<i>Break</i>	
11:00	CESM Large Ensemble Project/Climate Variability Diagnostics Package	Jennifer Kay and Adam Philips
11:20	Worrying about snow	Ed Blanchard Wigglesworth
11:40	CESM – CISM for paleoclimate	Bette Otto-Bliesner
12:00	<i>Lunch (on your own)</i>	