

CESM Polar Climate Working Group Meeting
11 – 12 January 2018
Mesa Lab – National Center for Atmospheric Research
Boulder, Colorado

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

Thursday, 11 January – MAIN SEMINAR ROOM

JOINT SESSION WITH LAND ICE WORKING GROUP

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|-------|---|---------------------|
| 8:30 | <i>Coffee</i> | |
| 9:00 | Welcome and logistics | Co-chairs |
| 9:10 | Freshwater distribution in Greenland fjords | Twila Moon (remote) |
| 9:25 | Evaluation of Greenland climate in CESM2 | Leo van Kampenhout |
| 9:40 | Rapid expansion of Greenland's low-permeability ice slabs through the 21st century | Mike McFerrin |
| 10:00 | <i>Continental Breakfast</i> | |
| 10:30 | The SUMup dataset: Compiled measurements of surface mass balance components over ice sheets and sea ice | Lynn Montgomery |
| 10:45 | Model-data comparison for glaciers, ice sheets and sea ice | Ute Herzfeld |
| 11:00 | A long-term hindcast simulation with COSMO-CLM2 over Antarctica | Alexandra Gossart |
| 11:15 | Regional variability and forced change in Antarctic snowfall | Jeremy Fyke |
| 11:30 | Coupled long-term evolution of climate and the Greenland Ice Sheet during the Last Interglacial | Bette Otto-Bliesner |
| 11:45 | Discussion | |
| 12:00 | <i>Lunch (on your own)</i> | |

JOINT SESSION WITH OCEAN MODEL WORKING GROUP

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|------|---|--------------------|
| 1:15 | Coupling MOM6 into CESM: Progress, challenges, and next steps | Gustavo Marques |
| 1:40 | Concurrent-ice coupling | Bob Hallberg |
| 2:05 | Discussion (MOM6 and CICE) | Co-chairs |
| 2:35 | A new dataset for forcing ocean–Sea-ice simulations: JRA55-do | Who Kim |
| 3:00 | <i>Break</i> | |
| 3:30 | Status of CMIP6 and OMIP (JRA55-do) simulations at GFDL | Alistair Adcroft |
| 3:55 | Evaluation of the equatorial current system in POP simulations based on different wind forcings | Yu-heng Tseng |
| 4:20 | Planned and ongoing CESM high-resolution simulations | Gokhan Danabasoglu |
| 4:45 | Evaluation of high-resolution simulations | Baylor Fox-Kemper |
| 5:10 | Discussion (Forcing, High-Resolution Simulations) | |
| 5:30 | <i>Adjourn</i> | |

Friday, 12 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	<i>Coffee</i>	
9:00	Welcome and logistics	Co-chairs
9:05	Update on CESM2/Tips for using Cheyenne	David Bailey
9:20	Changing predictability characteristics of Arctic sea ice in a warming climate	Marika Holland
9:35	Amundsen Sea Low and Antarctic Sea Ice	Laura Landrum
9:50	Discussion (ICEPACK status and developments)	
10:00	<i>Continental Breakfast</i>	
10:30	For Arctic summer sea ice, staying below 2.0 C global warming matters	Alexandra Jahn
10:45	New radar simulator-based precipitation diagnostics for CESM	Jennifer Kay
11:00	Arctic bias improvements with longwave spectral surface emissivity modeling in CESM	Chaincy Kuo
11:15	Patterns and variability in sea ice chlorophyll	Nicole Jeffery
11:30	Discussion (Summer 2018 CESM+Polar Tutorial, CESM2 simulations, and polar science)	
12:00	<i>Lunch (on your own)</i>	