

CESM Land Ice Working Group Meeting
10 – 11 January 2018
Mesa Lab – National Center for Atmospheric Research
Boulder, Colorado

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

Wednesday, 10 January – MAIN SEMINAR ROOM



LAND ICE WORKING GROUP SESSION

8:30	<i>Coffee</i>	
9:00	Welcome and logistics	Co-chairs
9:05	Year in review: Land-ice-relevant changes in CESM since last winter	Bill Sacks
9:20	Community Ice Sheet Model update	B. Lipscomb / G. Leguy
9:40	Coupling ISSM and CESM	Eric Larour
10:00	<i>Continental Breakfast</i>	
10:30	Discussion (CESM2 coupled runs for ISMIP6: analysis, publications)	
11:00	Dynamic land units and energy conservation for coupled climate / ice models	Elizabeth Fischer
11:15	On the heat transfer coefficient for transfer of internally dissipated energy to englacial and subglacial conduit walls	Hari Rajaram
11:30	An unconventional approach to modeling subglacial hydrology with flexible geometry	Aleah Sommers
11:45	Of rocks and ice: The glacier-rock glacier cycle	Bob Anderson
12:00	<i>Lunch (on your own)</i>	

SEA LEVEL SESSION

1:00	Welcome and logistics	
1:05	Sea level observations	Steve Nerem
1:20	Efficient methods for diagnosing effective sea level rise in CESM2	Baylor Fox-Kemper
1:35	MOM6 capabilities for modeling sea level	Bob Hallberg
1:50	Ice sheet surface mass balance: climate drivers, temporal trends, and sea level contribution	Jan Lenaerts
2:05	Ice sheet modeling and sea level rise	Bill Lipscomb
2:20	Paleoclimate and sea-level modeling with CESM2	Marcus Lofverstrom
2:35	Discussion (Model development for sea level projections)	
3:00	<i>Break</i>	
3:30	Activities of the Climate Change Prediction Group	Susan Bates
3:45	Uncertainties in modeling the Antarctic Ice Sheet contribution to sea level rise	Nicole Schlegel
4:00	Sea level rise uncertainty quantification	Nathan Urban
4:15	Discussion (Future sea-level science using CESM)	
5:00	<i>Working Group Information Exchange – Damon Room</i>	

Thursday, 11 January – MAIN SEMINAR ROOM

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JOINT SESSION WITH POLAR CLIMATE 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 | Adjourn | |