

CESM Land Ice Working Group Meeting
9 – 10 February 2016
Mesa Lab – Damon Room
National Center for Atmospheric Research – Boulder, Colorado

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**

TUESDAY, 9 February

LIWG Session

8:30	<i>Coffee</i>	
9:00	Welcome and logistics	Co-chairs
9:10	CESM land ice software engineering update	Bill Sacks
9:30	Update on Greenland Ice Sheet simulations in CESM	Bill Lipscomb
9:50	Implementing damage mechanics in the Community Ice Sheet Model	Ryan Whitcomb
10:10	Adaptive mesh refinement versus sub-grid friction interpolation in simulations of Antarctic ice dynamics	Dan Martin
10:30	<i>Continental Breakfast</i>	
11:00	Validation of modeled ice dynamics of the Greenland Ice Sheet using historical forcing	Matt Hoffman
11:20	Greenland bed topography, elevation, and surface roughness: Data sets, grid production for modeling and relevance for modeling results	Ute Herzfeld
11:40	A mesh-based computation of relative sea level for earth system modeling and space geodesy	Surendra Adhikari
12:00	<i>Lunch (on your own)</i>	

Joint LIWG / PCWG / PaleoWG Session

1:00	Ice sheet surface fields in CESM2	Jan Lenaerts
1:20	Upscaling in situ observations to surface mass balance estimates and models of the Greenland Ice Sheet	Mike MacFerrin
1:40	Can we constrain the extent of past and future ice shelves: The basal melting calculation	Florence Colleoni
2:00	Mid-Pliocene inception and growth of the Greenland Ice Sheet in CESM	Marcus Lofverstrom
2:20	Contributions to Pliocene Arctic warmth from aerosol indirect forcing	Ran Feng
2:40	Modelling stable isotope tracers through the Greenland and Laurentide Ice Sheets through the last glacial cycle	Shawn Marshall
3:00	<i>Break</i>	
3:30	Exploring probabilistic cumulative-carbon-based Greenland Ice Sheet stability threshold estimates	Jeremy Fyke
3:50	Predictability of an ice-free Arctic using the CESM Land Ensemble	Alexandra Jahn
4:10	Estimating the extend of Antarctic summer sea ice during the Heroic Age of Exploration	Jonny Day
4:30	Discussion	
5:00	<i>Adjourn</i>	

WEDNESDAY, 10 February

- 8:30 *Coffee*
- 9:00 LIVVkit now and into the future: A discussion J. Kennedy / A. Bennett
- 9:30 A fluidity based first-order system least-squares method for ice sheets Jeff Allen
- 9:50 A flexible transient subglacial hydrology model Aleah Sommers
- 10:10 Modeling glacial deformation using Bering Glacier as a test case Tom Trantow
- 10:30 *Continental Breakfast*
- 11:00 Discussion: CESM2 release schedule and future development
- 12:00 *Adjourn*

**MEETING MOVES TO CENTER GREEN CAMPUS FOR AFTERNOON
JOINT SESSION**

- 1:20 Bus departs Mesa Laboratory for Center Green Campus