

CESM Land Ice Working Group Meeting
4 – 5 February 2019
Mesa Lab – National Center for Atmospheric Research
Boulder, Colorado

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

Monday, 4 February – MAIN SEMINAR ROOM

LAND ICE WORKING GROUP SESSION

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|-------|---|----------------------------|
| 8:30 | <i>Coffee and conversation</i> | |
| 8:45 | Welcome and introductions | Co-chairs |
| 8:50 | Sensitivity of Greenland ice sheet surface mass balance to increased atmospheric CO ₂ | R. Sellevold |
| 9:10 | Processes in the future evolution of the Greenland Ice Sheet in a coupled climate and ice sheet model | L. Muntjewerf |
| 9:30 | Interaction between the North Atlantic Ocean and Greenland Ice Sheet during the present-future deglaciation | C. Ernani |
| 9:50 | Greenland's Køge Bugt glacier | R. Cassotto |
| 10:10 | Standalone and coupled MISOMIP experiments using CISM and MOM6 | G. Leguy and
G. Marques |
| 10:30 | <i>Break</i> | |
| 11:00 | LIWG software engineering update | K. Thayer-Calder |
| 11:20 | LIVVkit: Now and into the future | J. Kennedy |
| 11:40 | The Cryosphere model Comparison tool (CmCt): The ice sheet model comparison tool for Greenland and Antarctica using various altimetry and GRACE satellite data (<i>remote presentation</i>) | E. Simon |
| 12:00 | Discussion | |
| 12:15 | <i>Lunch</i> (on your own) | |

JOINT SESSION – Land Ice, Paleoclimate, and Polar Climate Working Groups

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| 1:30 | The combined influence of Southern Ocean clouds and sea ice on top-of-atmosphere albedo in observations and CESM | J. Kay |
| 1:50 | Thicker clouds and accelerated Arctic sea ice decline: Atmosphere-sea ice interactions in spring | Y. Huang |
| 2:10 | Towards a new community software for data-model connection | U. Herzfeld |
| 2:30 | Paleoclimate and polar MIPS for CMIP6: PMIP, PAMIP, and ISMIP6 | B. Otto-Bliesner,
C. Deser, and
B. Lipscomb |
| 3:00 | <i>Break</i> | |

- 3:30 Ice-sheet/climate model coupling: An efficient spin-up procedure for CESM2.1 and CISM2.1 L. Muntjewerf
M.Lofverstrom
- 3:50 Simulating the Northern Hemisphere climate and ice sheets during the last deglaciation with CESM2.1/CISM2.1 (*remote presentation*) M.Petrini/S.Bradley
- 4:10 Characteristics of the Greenland ice sheet during the Last Interglacial: A preliminary view from previous simulations, and upcoming plans A. Sommers
- 4:30 Regional grid refinement over Greenland: Effects on surface mass balance J. Lenaerts
L. van Kampenhout
- 5:00 *Working Group Information Exchange – Damon Room*

Tuesday, 5 February – MAIN SEMINAR ROOM

- 9:00 Discussion (no webcast)
- 10:30 *Break*
- 11:00 CGD Seminar – Progress in modeling ice sheets in the CESM B. Lipscomb
- 12:00 *Adjourn*