

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

Monday, 4 February – MAIN SEMINAR ROOM

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

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

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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 (<i>remote presentation</i>) | 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 | <i>Working Group Information Exchange – Damon Room</i> | |

Tuesday, 5 February – DAMON ROOM

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **8531794**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **8531794**

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| 8:30 | Coffee | |
| 9:00 | Welcome and introduction | Co-chairs |
| 9:10 | Update on isotopes in CESM | Esther Brady |
| 9:27 | Isotopic signatures of Last Millennium volcanic eruptions in CESM (remote) | S. Stevenson |
| 9:44 | Seasonal and hemispheric dependence of the global monsoon response to major extratropical eruptions in the CESM LME | John Fasullo |
| 10:01 | Modulation of mid-Holocene northern African rainfall by direct and indirect dust aerosol effects | A. Thompson |
| 10:18 | On the link between midlatitude wave guides, jet zonalisation, and equatorward shifted precipitation maximum at the Last Glacial Maximum (remote) | M. Lofverstrom |
| 10:35 | <i>Break</i> | |
| 11:00 | CGD Seminar – Progress in modeling ice sheets in the CESM | B. Lipscomb |
| 12:00 | Working lunch (Discussion on near-term priorities and long-term objectives) | |

Deep-time Paleoclimates

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| 12:45 | Resources and tools for deep time paleoclimate | Mat Rothstein |
| 1:02 | Simulation of the early Eocene using the water isotope-enabled CESM | Jiang Zhu |
| 1:19 | On the role of DeepMIP greenhouse gas, topographic, and aerosol forcing for the transition into the PETM | Arne Winguth |
| 1:36 | Climate change of the south polar region in response to topographic forcing during the Paleocene-Eocene Thermal Maximum | Mikaela Brown |
| 1:53 | Seasonality and monsoon circulation in various CO ₂ forcing on the Paleocene-Eocene Thermal Maximum | Jiayi Wang |
| 2:10 | Controlling calcium carbonate preservation during the Paleocene-Eocene Thermal Maximum | Megumi Chikamoto |
| 2:27 | Simulating the climate across the Permian-Triassic Boundary with an emphasis on phytogeographical analysis | Mitali Gautam |
| 2:44 | Decoupling of Late Paleozoic epicontinental sea and ocean $\delta^{18}\text{O}$ in isotope-enabled CESM | Sophia Macarewich |
| 3:01 | <i>Break</i> | |

Connecting to the Data Community

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| 3:30 | Status (and challenges) of CESM2.1 paleoclimate simulations | Bob Tomas |
| 3:50 | PAGES People3000 Project | E. N. Robinson |
| 4:10 | The Climate Data Guide and its paleo coverage | Dave Schneider |
| 4:30 | Discussion on near-term priorities and long-term objectives | Co-chairs |
| 5:30 | Adjourn | |