CESM Paleoclimate Working Group Meeting
11-12 February 2020
National Center for Atmospheric research – Mesa Lab
Boulder, Colorado

Tuesday, February 11
Morning (Mountain Standard Time):

Land Ice / Paleoclimate Joint Meeting, Visualization Lab
Join Zoom Meeting https://ncar-cgd.zoom.us/j/961396901
To join by phone, use Meeting ID: 961 396 901

8:30	Coffee	
8:50	Zoom logistics for presenters	
9:00	Modelling past ice sheet changes to improve climate projections; the 8.2 kyr abrupt cooling event (REMOTE)	L. Gregoire
9:20	Fully coupled simulations of the Northern Hemisphere climate and ice sheets during the Last Glacial Maximum with CESM2.1/CISM2.1 (REMOTE)	S. Bradley
9:40	The PMIP4-CMIP6 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3-CMIP5 simulations (REMOTE)	M. Löfverström
10:00	Break	
10:20	Retreat of the Greenland Ice Sheet during the Last Interglacial	A. Sommers/ B. Otto-Bliesner
10:40	Searching for subglacial evidence of past West Antarctic Ice Sheet collapse	T. Hillebrand
11:00	Variable Resolution CESM for polar science	A. Herrington

11:20 Joint Discussion Topics:

- What CMIP simulations helped you advance your science?
- What value do you see (or is there) in CESM's participation in the CMIP efforts?
- Ideas for future projects that the Land Ice and Paleoclimate Working Groups could work on together?

12:00 Land Ice / Paleoclimate Lunch in Mesa Lab Cafeteria.

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1:30	Welcome and Introduction	E. Brady
1:40	Increasing Earth System Sensitivity in mid-Pliocene simulations from CCSM4 to CESM2 (REMOTE)	R. Feng
2:00	Constraining equilibrium climate sensitivity through simulation of past warm and cold climates (REMOTE)	J. Zhu

Zoom Phone details:
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+1 929 205 6099 US (New York)
Find your local number: https://ncar-cgd.zoom.us/u/acGbu1JUNA

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2:20	Water Vapor Transport in the PETM: Atmospheric Rivers	C. Shields
2:40	Seasonality and Seasonal Hydrological Cycle of the PETM using CESM1.2 (REMOTE)	J. Wang
3:00	Using iCESM to Understand Hydroclimate in Southwest North America at the LGM (REMOTE)	C. Tabor
3:20	Break	
3:50	Changes in the South Atlantic SubTropical variability mode since the LGM and its changing relationship with Rainfall	I. Wainer
4:10	A Suite of Boundary Conditions as well as Sensitivity Experiments for the Pangean Climate using CESM1.2 model (REMOTE)	M. Gautam
4:30	Transition into the Eocene Hothouse Climate – A DeepMIP Study with CESM1.2	A. Winguth

Wednesday, February 12
Damon Room
To join meeting: https://ncar-cgd.zoom.us/j/802985180
To join by phone, use Meeting ID: 802 985 180

8:30	Coffee	
9:00	Welcome	B. Otto-Bliesner
9:10	DeepMIP: Model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data: implications for climate sensitivity (REMOTE)	D. Lunt
9:30	The midHolocene experiment in PMIP4 (REMOTE)	C. Brierley
9:50	The PlioMIP2 experiment in PMIP4 (REMOTE)	A. Haywood/A. Dolan
10:00	Break	
10:20	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models	S. Stevenson
10:40	The CMIP6-PMIP4 lig127k simulations: Large-scale features and comparisons with proxy data	B. Otto-Bliesner
11:00	Paleoclimate WG Updates	E. Brady
11:15	Discussion:	

Topic 1. Involvement in CMIP and/or PMIP

- What value do you see (or is there) in CESM's participation in the CMIP efforts?
- Relatedly, how have CESM CMIP simulations / experiments helped you advance your science?
- What fundamental science does the CESM's CMIP participation come at the expense of?

Topic 2. Future activities of Paleoclimate WG

- Coordination of activities - within and with other entities
- Model developments - community involvement

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