

## 26<sup>th</sup> Annual CESM Workshop PALEOCLIMATE WORKING GROUP MEETING

Wednesday, June 16

\* All times are Mountain Time

Time	Topic / Title	Speaker
8:30	Welcome and logistics	Co-Chairs
8:45	What causes 20% more 2xCO <sub>2</sub> global warming than 0.5xCO <sub>2</sub> global cooling in the Community Earth System Model (CESM)?	Jen Kay
8:55	Towards an understanding of CO <sub>2</sub> during Dansgaard-Oeschger events: everything counts	Markus Jochum
9:05	The source for the enhanced Earth System Sensitivity in CESM2	Ran Feng
9:15	An LGM-calibrated CESM2(CAM6) for paleoclimate studies	Jiang Zhu
9:25	Mid-Holocene monsoons in South and Southeast Asia: dynamically downscaled simulations and the influence of the Green Sahara	Yiling Huo
9:35	Regional Variability of the South Asian Monsoon Through the PETM	William Rush
9:45	Marine Biological Carbon Pump During Eocene Hyperthermals	Arne Winguth
9:55	<i>Discussion: What does paleoclimate modeling tell us about sensitivity of the Earth system to forcings? What are the implications for the future?</i>	
10:10	<b>Break</b>	
10:30	Diatom-inferred water depth transfer function from a single lake in northern California	Jiwoo Han
10:40	Past changes in Great Plains storm intensity controlled by springtime land surface warming	Chijun Sun
10:50	Testing Methods for Reconstructing Glacial Antarctic Circumpolar Current Transport in an Isotope-enabled Climate Model	Lingwei Li
11:00	Storminess and Isotopic Changes in the Western United States at the Last Glacial Maximum	Clay Tabor
11:10	Abrupt Heinrich Stadial 1 Cooling Missing in Greenland Oxygen Isotopes	Chengfei He
11:20	Pacific Ocean 14C evolution during the deglaciation in C-iTRACE	Hannah Zanowski
11:30	A Multidecadal-Scale Tropically Driven Global Teleconnection over the Past Millennium and Its Recent Strengthening	Qinghua Ding
11:40	Evidence of tropical forcing of last millennium Antarctic climate from paleoclimate data assimilation	Olivia Truax
11:50	<i>Discussion: How can we better understand past climate changes through combining model and proxy? How do the models need to improve?</i>	
12:00	<b>Adjourn to Informal Lunch Meet-up and Discussion</b>	