

**CESM PALEOCLIMATE
 WORKING GROUP MEETING
 22 - 24 FEBRUARY 2022**

Tuesday, February 22

* All times are MST

Time	Topic	Speakers
11:00	CGD Seminar: Molecular perspectives on Pliocene hydroclimate in southwestern North America [Abstract] Watch on YouTube: https://www.youtube.com/c/NCARCGD	Tripti Bhattacharya
12:00	<i>BREAK, Move to Zoom session</i>	
12:15	<i>Welcome</i>	Co-Chairs
12:20	Warm Pliocene mid-latitude upwelling site SSTs: feedback between wetter land conditions and reduced upwelling-favorable winds	Minmin Fu
12:45	Mid-Pliocene North American Monsoon in Weather Resolving Coupled Simulations	Mary Grace Albright
13:10	Amplification of the Hydrological Cycle with the onset of the PETM	Arne Winguth
13:35	Evolution of the Atlantic ITCZ from the Cretaceous and its implication on the South American and African rainforests	R. Paul Acosta
14:00	Follow-up and discussion	
14:30	<i>ADJOURN</i>	

Wednesday, February 23

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Time	Topic	Speakers
9:45	Virtual Coffee	
9:55	Welcome	Co-Chairs
10:00	Aerosol number density variations during the Matuyama/Bruhnes magnetic field reversal	Irina Thaler
10:25	Fingerprinting forced and unforced low-frequency variability in idealized and global climate models	Becca Cleveland
10:50	Understanding Inter-American Seas Climate Variability Using Paleo-proxies and Climate Models	Elinor Martin
11:15	BREAK	
11:30	Last Millennium Tropical Climate Trends and Associated Isotopic Patterns	Samantha Stevenson
11:55	Indo-Pacific warm pool hydroclimate changes during the last deglaciation revealed by data-model comparison	Xiaojing Du
12:20	Effects of the stratospheric dynamics and chemistry on the surface climate of the Last Glacial Maximum in CESM2(WACCM6ma)	Jiang Zhu
12:45	Can polar stratospheric clouds explain Arctic amplification?	Deepashree Dutta
13:10	Follow-up questions and discussion	
13:40	ADJOURN	

Thursday, February 24

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Time	Topic	Speakers
9:45	Virtual Coffee	
10:00	Welcome	Co-Chairs
10:05	Updates on Paleoclimate Working Group Activities	Esther Brady
10:30	An ESL compatible model for the Younger Dryas	Jesse Velay-Vitow
10:55	Extensive evidence for the Last Interglacial analog of the 8.2-ka event	Yuxin Zhou
11:20	Is the Last Interglacial warm period a good process analog for the future?	Marcus Lofverstrom
11:45	BREAK	
12:00	A fully calibrated and updated mid-Holocene climate reconstruction for eastern South America	Iuri Gorenstein
12:25	Nearly enclosed bays as oases of life during Snowball Earth	Greta Shum
12:50	A Cenozoic stable isotope database for proxy-model comparison	Tyler Kukla
13:15	Follow-up questions and discussion	
13:45	BREAK	
14:00	Paleoclimate Advances Webinar Series #1 <i>Theme: Long-Term Temperature Reconstruction</i> Welcome	Jiang Zhu
14:05	Earth's climate evolution since the last Ice Age	Jessica Tierney
14:30	Reconstructing global mean surface temperature across the Phanerozoic Eon: Challenges and innovative approaches	Emily Judd
14:55	General discussion	
15:05	ADJOURN	