

Here we value respectful dialogue, please...



www.cgd.ucar.edu/diversity

Welcome to Paleoclimate Working Group Meeting

Cochairs

Jiang Zhu, Samantha Stevenson, Ran Feng

Format

- 12 minutes for talk and 3 minutes for question/transition
- For questions
 - In person participants, please walk to the microphone
 - Remote participants, please type your question in the chat

Agenda

Wednesday June 14

* All times are MST. **Speakers:** please leave 3 min at the end of your slot for questions.

Time	Topic	Speakers
Overview: Location		
13:30-13:35	Welcome and logistics	
13:35-13:50	Revisiting western US hydroclimate during the last deglaciation using iTraCE	Minmin Fu
13:50-14:05	Pacific meltwater as a potential mechanism for preconditioning the North Atlantic for Heinrich event 1	Chijun Sun
14:05-14:20	Constraining Last Interglacial Antarctic proxy signals through Earth System Modeling (<i>ONLINE</i>)	Joey Schnaubelt
14:20-14:35	Volcanism and ENSO: a re-appraisal with paleoclimate data assimilation	Feng Zhu
14:35-14:50	Blending observations with CESM to assess the historical context of lower Midwest extreme precipitation	Alex Thompson
14:50-15:00	Discussion	
15:00 – 15:30 BREAK		
15:30-15:45	Snow-free land surfaces allow for refugia on the surface of Snowball Earth	Greta Shum
15:45-16:00	Simulation of the hothouse climate using CESM	Jiang Zhu
16:00-16:15	Why wintertime continental temperatures never drop below freezing at 4xCO ₂	Kara Hartig
16:15-16:30	DISCUSSION	
16:30-16:45	Influence of opening the Miocene Canadian Archipelago gateways on the Intertropical Convergence Zone: a model study	Xiaoqing Liu
16:45-17:00	A Systems Approach to Understanding How Plants Transformed Earth's Environment in Deep Time	Sophia Macarewich
17:00-17:15	Discussion and Concluding Remarks	
17:15	ADJOURN	

Discussion

Are you a paleoclimate “dog” (favoring ***standard & coarse resolution***) or a paleoclimate “cat” (in support of ***super/ultra high resolution***)?

- How do we best leverage the trend of increasing model resolution?
- Do we need a coarser resolution with greater throughput?