

## 2023 CESM Workshop Paleoclimate Working Group Meeting

June 2023

### Wednesday June 14

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

Time	Topic	Speakers
<b>Overview: Center Green Auditorium / South Bay</b>		
YouTube Streaming: <a href="https://youtube.com/live/gMSI-d4SIFE?feature=share">https://youtube.com/live/gMSI-d4SIFE?feature=share</a>		
<b>13:30-13:35</b>	<b>Welcome and logistics</b>	
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	
<b>15:00 – 15:30 BREAK</b>		
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 <sub>2</sub>	Kara Hartig
16:15–16:30	Revisiting the Low-gradient problem with weather-resolving atmosphere-ocean coupled simulations ( <i>ONLINE</i> )	Ran Feng
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	
<b>17:15</b>	<b>ADJOURN</b>	

### Posters: Monday, June 12 11:30am–12:30pm & 6:00–7:30pm

	Presenting the Newly Redesigned Paleoclimate Working Group Website: A Community Catalog of Simulations and Resources	Esther Brady
	cfr: a Python package for climate field reconstruction	Feng Zhu