



CESM PALEOCLIMATE WORKING GROUP MEETING

Wednesday, January 29, 2025

Mesa Lab Damon Room (RM 239) & Virtually on ZOOM

* All times are MST; **Speakers:** please leave 5 min at the end of your slot for questions.

Time	Topic	Speakers
8:55	Welcome and logistics	Co-chairs
9:00	Contrasting responses of Indian summer monsoon rainfall and Arabian Sea upwelling to orbital forcing (<i>REMOTE</i>)	Qin Wen
9:20	Impact of Aerosols on Climate throughout Earth's History (<i>REMOTE</i>)	Irina Thaler
9:40	Global Soot Deposition and Fine Soot Fraction record constraints on the Transient Soot Injection simulations on the Cretaceous Paleogene Mass Extinction (<i>REMOTE</i>)	Shixiong Hu
10:00	Persistently active El Niño–Southern Oscillation since the Mesozoic (<i>REMOTE</i>)	Xiang Li
10:20	BREAK	
10:40	A new approach for comparing climate model results and plant distributions (<i>REMOTE</i>)	Ingrid Romero
11:00	Investigating Western US Hydroclimate over the Holocene with iCESM and Triple Oxygen Isotopes in Iron Oxides (<i>REMOTE</i>)	Emily Nigro
11:20	Remote impacts of the mid-Holocene Green Sahara on global climate (<i>REMOTE</i>)	Shivangi Tiwari
11:40	Green Sahara Influence on South Atlantic Dynamics: Insights from NASA GISS Simulations	Ilana Wainer
12:00	LUNCH BREAK (ON YOUR OWN)	
13:00	Evolution of Pliocene climate in iCESM1.3 (<i>REMOTE</i>)	Ran Feng
13:20	Bridging the Miocene Climatic Optimum warmth gap with equilibrated isotope-enabled CESM simulations	Feng Zhu
13:40	Online data assimilation for deep-time paleoclimate	Dan Amrhein
14:00	BREAK	
14:20	Volcanic Effects on Last Millennium Tropical Pacific Climate and Inter-Basin Interactions (<i>REMOTE</i>)	Samantha Stevenson
14:40	Paleoclimate Working Group and CESM3 Updates and Wrap-up Discussion	Jiang Zhu
15:00	ADJOURN (Carpool to Southern Sun Pub & Brewery for happy hour)	