NCAR OPERATED BY UCAR Community Earth System Model

Paleoclimate Working Group Agenda
31st Annual CESM Workshop
June 17th, 2026

Wednesday, June 17th, 1 - 4:00 pm

** All times are MST; **Speakers**: 15 min talk. Please leave 3 min at the end of your slot for questions.*

Time	Topic	Speakers	Organization
13:00	**Welcome**	Jiang Zhu	NSF NCAR
13:03	Andean volcanism, ocean fertilization, marine ecosystem turnover, and global cooling in the Late Miocene (*REMOTE*)	Nicolas Cosentino	CIMA CONICET-UBA
13:18	Amplified effective radiative forcing from Eocene SSTs and boundary conditions (*REMOTE*)	Chunyu Yang	University of Connecticut
13:33	Remote Tropical Teleconnections and Local Forcing Shape an Orbital-Scale Hydroclimate Dipole in South America	Xiaojing Du	George Mason University
13:48	Water isotope proxies and iTraCE insights on hydroclimate changes in South America during the Holocene	Anson Cheung	University at Albany
14:03	Paleoclimate data assimilation produces a Holocene thermal maximum	Maya Tessler	University of Arizona
14:18	Physical Mechanisms of Extreme ENSO Events During the Mid-Holocene Climate	Go Sato	George Mason University
14:33	**Break**		
15:00	Vegetation related climate uncertainty in the Pliocene	Elke Zeller	University of Arizona
15:15	Isotopic Composition of Tropical Cyclones in iCESM1.3	Dervla Meegan-Kumar	University of California Irvine
15:30	ENSO-driven hydrological variability in the tropical Pacific – sea surface salinity and oxygen isotope observations versus models	Chandler Morris	Brown University
15:45	Unpacking Isotope Signals in Atmosphere-Only Paleoclimate Simulations	Charlie Marshall	University of Connecticut
16:00	**Break**		
16:15	Workshop Wrap-up; General Discussion		
17:00	Workshop Concludes and Informal Gathering at Rayback *(2775 Valmont Rd, Boulder)*		

Posters

16:45–19:00 Mon, June 15	A Data Assimilative Isotope-Enabled Linear Inverse Model to understand and reconstruct Tropical Pacific variability	Lucinda Bryce	Brown University
	Response of the tropical Indian Ocean to past AMOC weakening and implications for the future	Xiaojing Du	George Mason University
	Higher model resolution alters the winter precipitation response to past and future warming in the western United States	Sophia Macarewich	NSF NCAR
	Variability of Compound Climate Extremes during the Last Millennium As Revealed By Paleoclimate Models	Tehreem Qureshi	George Mason University
	Emulating Water Isotopes in Coupled Earth System Models	Feng Zhu	NSF NCAR
	More equable past and future warm climates in unprecedented high-resolution simulations	Jiang Zhu	NSF NCAR