NCAR | NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

Here we value respectful dialogue, please...

Offer Constructive Feedback

Value New Ideas & Encourage Innovation

Share The Air

NCAR UCAR

Show Appreciation & Acknowledge Teamwork

Communicate Context

Listen to Understand

www.cgd.ucar.edu/diversity

Welcome to the Paleoclimate Meeting!

Jiang Zhu (NSF NCAR)

Samantha Stevenson (UCSB)

Ran Feng (UConn)

Time	Title	Speaker
1:00	Welcome and Paleoclimate Working Group Updates	Jiang Zhu, Samantha Stevenson, Ran Feng
1:05	Atmospheric river activity over the past ~56 million years in an unprecedented set of high-resolution CESM simulations	Sophia Macarewich
1:15	Indian Summer Monsoon interannual variability during the mid-Pliocene using CMIP6 models (*Virtual*)	Karishma Dahiya
1:30	Dicot wood tissue structure as a tool for paleoclimate	Gary Upchurch
1:45	Sunburned phytoplankton: Chicxulub asteroid impact as a case study for ultraviolet radiation inhibition in MARBL	Joshua Coupe
2:00	Revisiting Miocene Climatic Optimum with a unique equilibrated iCESM simulation	Feng Zhu
2:15	Understanding the climate signals recorded by proxy records through a combined analysis of an isotope enabled climate model and proxy system models	Sloan Coats
2:30	North Pacific response to hemispheric warming forces Holocene drought	Victoria Todd
2:45	North Atlantic Oscillation Controls on Water Isotopes Proxies in the Iso2k Database and iCESM	Andrew Flaim
3:00	*BREAK*	
3:30	Simulating ice core $\delta18O$ evolution and its implication on Holocene Temperature Conundrum (*Virtual*)	Yuntao Bao
3:45	The Greenland spatial fingerprint of Dansgaard-Oeschger events in observations and models (*Virtual*)	Christo Buizert
4:00	Carbon and Carbon-13 in the Preindustrial and Glacial Ocean: A Precise and Complete Decomposition (*Virtual*)	Andreas Schmittner
4:15	Inter-model spread in mid-Pliocene radiative forcing from boundary condition and CO2 changes (*Virtual*) & **Working Group wrap-up**	Ran Feng
4:30	*Plenary: Wrap-up & general discussion*	
5:30	*Informal happy hour*	

- **15 min for most talks talk incl. Q&A (10 min for the 1st talk)**
- **Reminder when 2 minutes left**
- **Break at 3pm**
- **End at 4:30pm for the CESM Plenary Wrap-up**
- **Questions for speakers?**
  - **In the room: walk to the microphone**
  - **Online: type your questions in the chat**

iCESM1.3_hires is the recommended isotope-enabled CESM!

- Ported on Derecho
- Validated resolutions: ne120_t12, ne120_g16, ne30_g16, ne16_g16, etc
- Manuscripts in preparation (Otto-Bliesner et al. & others)
- Many simulations to be released soon
- Github: https://github.com/NCAR/iCESM1.3_iHESP_hires

An Informal Happy Hour— All Are Welcomed!

5:30pm
Rayback Collective, 2775 Valmont Rd, Boulder, CO 80304