

2023 CESM Workshop
**CLIMATE VARIABILITY AND CHANGE
WORKING GROUP MEETING**

June 2023

14 / June

* All times are MST; **Speakers:** please plan on presenting for 7 minutes, leaving 3 min at the end of your slot for questions.

Time	Topic	Speakers
<i>Location: Center Green Auditorium / Center Bay</i>		
<i>YouTube Streaming: https://youtube.com/live/RIUb3qPJmfA?feature=share</i>		
8:30	Welcome, logistics, and CVCWG updates	Aixue Hu, Sarah Larson, Isla Simpson
8:40	Modes of Variability in the Energy Exascale and Community Earth System Models	Julie Caron
8:50	Pacific Decadal Oscillation modulating marine heatwaves in the Northeast Pacific during recent decades (online)	Xianglin Ren
9:00	Recent tropical Atlantic multidecadal climate variability is mostly driven by external forcings (online)	Chengfei He
9:10	The impacts of a weakened Atlantic Meridional Overturning Circulation on ENSO in a warmer climate (online)	Wei Liu
9:20	Impacts of Changes in the Structure of Wind Anomalies on ENSO Statistics Under Global Warming	Jacob Suinvolt-Allen
9:30	How Does Sea Surface Temperature Drive the Intertropical Convergence Zone in the Southern Indian Ocean?	Honghai Zhang
9:40	Fingerprints of Anthropogenic Aerosols in the Ocean	Jia-Rui Shi
9:50	Critical role of biomass burning aerosols in enhanced historical Indian Ocean warming	Yiqun Tian
10:00	Break	
10:30	CVCWG Planned Simulations and Discussion	Aixue Hu, Sarah Larson, Isla Simpson
10:45	Opinion: The importance of historical and paleoclimate aerosol radiative effects (online)	Natalie Mahowald
10:55	Ecological risks from rapid cooling with stratospheric aerosol injection (online)	Daniel Hueholt

11:05	Influence of Forced and Unforced Pacific Decadal Variability on Southwestern United States Precipitation (online)	Yan-Ning Kuo
11:15	An Evaluation of the Seasonal Caribbean Hydroclimate in Low and High-Resolution CESM and other CMIP6 Models	Carlos Martinez
11:25	Origins of Uncertainty in Summer North Pacific Subtropical High Projections	Kezhou Lu
11:35	The impact of stratospheric aerosol injection on extreme fire weather risk	Danielle Touma
11:45	Constraining the model spread in projected warming of hot days	Osamu Miyawaki
11:55	Association between precipitation intermittency and soil moisture variability in CESM2 and observations.	Woon Mi Kim
12:05	The Asian monsoon onset and precipitation relationship with Tibetan Plateau soil moisture thermal controls (online)	Waheed Ullah
12:15	Adjourn	

Posters:

The role of Bjerknes and shortwave feedbacks in the tropical Pacific SST response to global warming.		Minmin Fu
Co-benefit of achieving global carbon neutrality in enhancing and stabilizing solar and wind energy		Yangyang Xu
Rapid Development of Systematic ENSO-Related Seasonal Forecast Errors		Jonathan Beverley
Diverse Eurasian Temperature Responses to Arctic Sea Ice Loss in Models Due to Varying Balance Between Dynamical Cooling and Thermodynamical Warming		Cheng Zheng