



## CESM CLIMATE VARIABILITY AND CHANGE WORKING GROUP WINTER WORKING GROUP MEETING

March 2024

Wednesday, March 6th

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

Time	Topic	Speakers
09:00	CVCWG update and discussion	Isla Simpson, Aixue Hu, Sarah Larson
09:30	Exploring drivers of simulated mid-latitude precipitation change	Arianna Varuolo-Clarke
09:45	Changes to Atmospheric River related Extremes over the North American West Coast under Anthropogenic Warming	Tim Higgins
10:00	Impacts of Forced and Internal Climate Variability on Convective Environments over the Eastern United States	Megan Franke
10:15	BREAK	
10:45	Anomalously Darker Land Surfaces Become Wetter Due To Mesoscale Circulations (Virtual)	Yu Cheng
11:00	Drivers of more persistent and widespread extreme fire weather events in the Western United States (Virtual)	Danielle Touma
11:15	The equator to pole asymmetry in surface warming across the seasonal cycle and temperature percentiles	Osamu Miyawaki
11:30	Observational Uncertainty Delays the Detection of Regional Surface Warming Trends	Jonah Shaw
11:45	Deterministic and Stochastic Tendency Adjustments Derived from Data Assimilation and Nudging	Will Chapman
12:00	LUNCH BREAK	
13:00	Role of AMOC in determining the surface climate response in two coupled models	Aixue Hu
13:15	The relative roles of direct atmospheric radiative forcing vs. indirect sea surface temperature forcing in the atmospheric response to evolving anthropogenic aerosol emissions from 1930 to 2030	Xueying Zhao
13:30	Future activation of an Indian Ocean El Nino in the High Resolution CESM	Pedro DiNezio

13:45	Externally forced changes in ENSO oscillatory behavior driven by zonal shifts in center of action	Brandon Molina
14:00	Responses of the Madden–Julian Oscillation to Global Warming: Impacts from Tropical Sea Surface Temperature Changes	Hien Bui
14:15	The Signature of the Western Boundary Currents in Midlatitude Tropospheric Variability	James Larson
14:30	BREAK	
15:00	Responses in the subpolar North Atlantic in two climate model experiments with increased stratospheric aerosols	Hui Li
15:15	Assessing the impact of stratospheric aerosol injection on warm spell characteristics	Ivy Glade
15:30	Climate speeds help frame relative ecological risk in future climate change and stratospheric aerosol injection scenarios	Daniel Hueholt
15:45	<b><i>Wrap-up Discussion</i></b>	
16:15	<b><i>ADJOURN (Happy Hour at Under the Sun)</i></b>	

