

CESM CLIMATE VARIABILITY AND CHANGE WORKING GROUP MEETING 17 FEBRUARY 2022

* All times are MST

Time	Topic	Speakers
8:25	Welcome and logistics	
8:30	Mechanisms behind the springtime North Pacific ENSO teleconnection bias in climate models	Ruyan Chen
8:45	ENSO diversities and its impact on interannual variation of terrestrial water storage to sea-level	Yan-Ning Kuo
9:00	Comprehensive representation of tropical-extratropical teleconnections obstructed by tropical Pacific convection biases in CMIP6	Qinghua Ding
9:15	Removing the effects of tropical dynamics from North Pacific Climate Variability	Matt Newman
9:30	ENSO explains the link between Indian Ocean Dipole and meridional ocean heat transport	Kay McMonigal
9:45	Mechanisms of Fast Walker circulation response to CO2 forcing	Melody Lu
10:00	Break	
10:30	Two distinct modes of climate responses to anthropogenic aerosol forcing changes	Jia-Rui Shi
10:45	Roles of regional aerosol forcing on the Pacific decadal variability	ChenRui Diao
11:00	Defining Internal Atlantic Multidecadal Variability in a Changing Climate	Clara Deser
11:15	ENSO characteristics during different states of the Atlantic and Pacific Meridional Overturning Circulations	Maria Molina
11:30	Understanding the drivers of Atlantic Multidecadal Variability using a stochastic Model Hierarchy	Glenn Liu
11:45	A revised interpretation of the signal-to-noise paradox	Yanan Duan
12:00	Break	
13:00	Finding a subset of the CESM2 large ensemble to maximize variance for western US downscaling	Naomi GoldenSON
13:15	Climate change impacts on upper ocean processes from atmospheric rivers using a high-resolution CESM	Christine Shields
13:30	More atmospheric rivers slow down the seasonal recovery of Arctic sea ice in recent decades	Pengei Zhang
13:45	Impact of tropical cyclone wind forcing on the global climate in a fully-coupled climate model	Hui Li

14:00	Break	
14:30	Changes in the co-occurrence of extreme dry and wet events in the western United States	Danielle Touma
14:45	How the great plains dust bowl drought of the 1930s affected heat extremes over North America and elsewhere in the Northern Hemisphere	Jerry Meehl
15:00	Emergence of multiple feedbacks in the extreme 2020 temperature anomaly over Siberia	Flavio Lehner
15:15	CVCWG update and discussion	Isla Simpson, Aixue Hu, Sarah Larson
16:00	Adjourn	