

CESM CLIMATE VARIABILITY AND CHANGE WORKING GROUP MEETING 18 FEBRUARY 2021

Speakers should plan on 15 minute talks, leaving 5 minutes for questions and discussion

Thursday, February 18

** All times are MST*

Time	Topic	Speakers
8:55	Welcome and logistics	Isla Simpson
9:00	Ingredients for ENSO and MJO: Tropical variability of idealized coupled aqua and ridge planets using CESM	Xiaoning Wu
9:20	Air-sea coupling shapes North American hydroclimate response to ice sheets	Dillon Amaya
9:40	Role of geostrophic currents in future changes of coastal upwelling in the California Currents system	Hui Ding
10:00	The equatorial cold tongue bias in CESM1 and its influence on ENSO forecasts	Xian Wu
10:20	BREAK	
10:40	Atlantic and Pacific tropics connected by mutually interactive decadal timescale processes	Jerry Meehl
11:00	Toward an index of Atlantic multi-decadal variability that is robust to climate change	Clara Deser
11:20	Opposing, then complementary effects of Aerosol forced Atlantic and Pacific SST anomalies in 20 th century Sahel precipitation	Haruki Hirasawa
11:40	Quantifying the forced changes to unforced modes of atmospheric variability	John O'Brien
12:00	BREAK	
13:00	Widespread reductions in human labor capacity after 1.5C warming	Karena Yang
13:20	More accurate quantification of model-to-model agreement in externally forced climatic responses over the coming century	Nicola Maher
13:40	Accelerated warming in the northern midlatitude summer since the 1990s	Haiyan Teng
14:00	From dog to wolf: Cloud and surface albedo feedbacks reshape 21 st century warming patterns in successive generations of the CESM	Dave Schneider
14:20	BREAK	
14:40	ENSO driven suppression of interannual atmospheric variability over the United States	Margaret Sutton
15:00	Southward shift of westerlies intensifies the East Asian early summer rainband following El Nino	Wenwen Kong
15:20	The role of the Southern Hemisphere subtropical jet for tropical-extratropical teleconnections	Zoe Gillett
15:40-16:30	CVCWG updates and open discussion. Topics include: recently completed simulations, planned simulations, CVDP-LE, updates on new configurations (including pencil model, mechanically decoupled CESM, vertical grid for CAM7)	Isla Simpson (+Clara Deser, Robb Wills, Sarah Larson, Young-Oh Kwon)