

CESM EARTH SYSTEM PREDICTION WINTER WORKING GROUP MEETING

Wednesday, February 22 2023

* All times are MST; **Speakers:** please leave 5 min at the end of your slot for questions.

Time	Topic	Speakers
	JOINT WITH CVCWG	
9:00	Welcome	Co-chairs
9:05	Mechanisms of Multi-year ENSO predictability	Nathan Lenssen
9:20	Assessing future ENSO predictability using perfect model analogs in large ensembles	Dillon Amaya
9:35	Characterizing Nonlinearities in CESM2 ENSO Dynamics using Machine Learning Technique	Jakob Schloer
9:50	ENSO forecast skill in a changing climate	Jiale Lou
10:05	Is ENSO predictability limited by the Atlantic?	Steve Yeager
10:20	BREAK	
10:40	Increase in MJO Predictability Under Global Warming	Danni Du
10:55	Investigation of skill of the ECMWF-S2S real-time precipitation forecast during the 2020 and 2021 boreal summer monsoon seasons	Eniola Olaniyan
11:10	Subseasonal prediction skill from atmospheric, ocean, and land initial states	Yaga Richter
11:25	Land surface initializations contribute most to the sub-seasonal soil moisture forecast skill	Yanan Duan
11:40	Impact of stochastic parameterization on S2S forecasts	Judith Berner
11:55	CESM2(WACCM6) forecast of the February 2023 SSW	Nick Davis
12:05	LUNCH	
1:15	Evaluating skill in predicting the IPO in initialized decadal climate prediction hindcasts in CESM1 and E3SMv1 using a small set of start years	Jerry Meehl
1:30	Predictability of tropical Pacific decadal variability and associated oceanic mechanisms	Xian Wu
1:45	Predictable Decadal Forcing of the North Atlantic Jet Stream by Sub-Polar North Atlantic Sea Surface Temperatures	Kristian Strommen

2:00	Physical Insights from the Prediction of Atlantic Multidecadal Variability in CESM1 using Explainable Deep Neural Networks	Glenn Liu
2:15	Dynamical forecasts of coastal upwelling in the California Current System	Dillon Amaya
2:30	Co-chairs update and wrap-up discussion	Co-chairs
3:00	<i>ADJOURN</i>	