# CESM EARTH SYSTEM PREDICTION WORKING GROUP
# WINTER WORKING GROUP MEETING

## March 2024

### Tuesday, March 5

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

| Time | Topic | Speakers |
|------|-------|----------|
| 8:30 | Welcome & Logistics | Co-chairs |
| 8:40 | Enhancing Heavy Rainfall Forecasting in High-Resolution Regional Models Over West Africa for Operational Application | Eniola Olaniyan |
| 9:00 | Sources of Subseasonal Precipitation Skill in South America | Kathy Pegion |
| 9:20 | Subseasonal Potential Predictability of Horizontal Water Vapor Transport and Precipitation Extremes in the North Pacific | Tim Higgins |
| 9:40 | Quantifying sources of subseasonal prediction skill in CESM2 | Yaga Richter |
| 10:00 | An Earth-system-oriented view of the S2S predictability of Weather Regimes using Machine Learning | Jhayron Pérez-Carrasquilla |
| 10:20 | Exploring the Relative Contribution of the MJO and ENSO to Midlatitude Subseasonal Predictability | Kirsten Mayer |
| 10:40 | BREAK | |
| 11:00 | **CGD SEMINAR**: Predicting the El Nino of 2023/24 and its climate impacts over North America | Clara Deser & Steve Yeager |
| 12:00 | LUNCH | |
| 13:00 | CESM2 Performance in Subseasonal Arctic Sea Ice Loss | Madeline Frank |
| 13:20 | Why do climate models underpredict low-frequency hydroclimate variability? | Sanjiv Kumar |
| 13:40 | Interpretable ENSO Forecasting using a Hybrid Deep Learning Analog Approach | Kinya Toride |
| 14:00 | Object-Based Evaluation of Marine Heatwave Predictions in SMYLE | Jacob Cohen |
| 14:20 | Are El Niño Precursors Captured by SMYLE? | Emily Wisinski |
| 14:40 | A Multi-year Climate Prediction System Based on CESM2 | Yong-Yub Kim |
| 15:00 | ESPWG updates | Sasha Glanville |
| 15:20 | Discussion | |
| 16:00 | ADJOURN | |