

AGENDA

Improving Subseasonal to Seasonal (S2S) Precipitation Forecasting

Sponsored by Western States Water Council and California Department of Water Resources

May 7-9, 2025

Homewood Suites Downtown/Bayside 2137 Pacific Hwy, San Diego,

Wednesday May 7th

1:00 Registration

1:30 Welcome and opening remarks, workshop background

Tony Willardson, Western States Water Council (WSWC)

Jeanine Jones, California Department of Water Resources (CDWR)

1:45 S2S Coalition Activities, Appropriations & Reauthorization

Jeanine Jones, California Department of Water Resources (CDWR)

2:15 NIDIS S2S activities

Amanda Sheffield, National Integrated Drought Information System (virtual)

2:45 Review of Scripps Subseasonal Forecasts for WY 2024, Defining Forecast Skill (virtual)

Mike DeFlorio, UC San Diego

3:15 Break

3:30 Investigating Potential Subseasonal Predictability From the MJO

Jiabao Wang, UCSD

4:00 ARs as Disruptors of ENSO Canonical Precipitation Anomalies in US SW

Rosy Luna Nino, UCSD

4:30 ML & S2S ET Forecasting Example in California

Kevin He, CDWR (virtual)

5:00 Adjourn

Thursday May 8th

- 8:00 S2S Predictability: First Focus Area of NCAR's Earth System Predictability Across Timescales Initiative**
Cenlin He, National Center for Atmospheric Research (virtual)
- 8:30 Congressional Update/Outlook/Discussion**
Alex Weixel, House Committee on Science, Space, and Technology (virtual)
Jordan Smith, Van Ness Feldman (virtual)
- 9:15 CPC Regime Change Tool, Review of WY 2024 Outlooks**
Emerson LaJoie, NWS Climate Prediction Center (virtual)
- 9:45 Update on OAR Weather Prediction Office Activities**
Mark Olsen, OAR WPO (virtual)
- 10:15 UC Irvine Recent Work**
Gudrun Magnúsdóttir, UC Irvine
- 10:45 Break**
- 11:00 S2S Predictability of Weather Regimes**
Maria Janeth Molina, University of Maryland (virtual)
- 11:30 Improving NOAA's Unified Forecasting System Model**
Lisa Bengtsson, OAR Physical Sciences Laboratory (virtual)
- 12:00 Lunch (on your own)**
- 1:30 Understanding Central Arizona Precipitation**
Bo Svoma, Salt River Project
- 2:00 Flash Drought in the Great Plains & Its Prediction**
Andy Hoell, OAR PSL (virtual)
- 2:30 UC-Funded Grant for NMME Fusion Outlook**
Isabella Velicogna, UC Irvine
- 3:00 Break**
- 3:15 Utah's S2S Needs & Applications**
Candice Hasenyager, Utah Division of Water Resources
- 3:45 Summer Precipitation Forecasting Needs for Agriculture in Kansas**
Matthew Sittel, Kansas State University
- 4:30 Adjourn**

Friday May 9th

- 8:30 Status of Nationwide FIRO Screening Process**
Cary Talbot, USACE ERDC
- 9:00 Precipitation Forecasting to Support FIRO in Texas**
Nelun Fernando, Texas Water Development Board (virtual)
- 9:30 CDWR Roadmap to Seasonal Forecasting**
Mike Anderson, CDWR
- 10:00 Break**
- 10:15 Seasonal Predictability of Weather Regimes**
Erin Towler, OAR PSL (virtual)
- 10:45 Using Weather Regimes to Improve S2S Forecasting**
Wei Zhang, Utah State University
- 11:15 Soil moisture, S2S, and Drought/Flood Risks**
Sanjiv Kumar, Auburn University (virtual)
- 11:45 adjourn**