

AGENDA

Improving Subseasonal to Seasonal (S2S) Precipitation Forecasting

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

August 15-17, 2023

Doubletree San Diego Downtown 1646 Front Street, San Diego, CA

Tuesday Aug 15th

- 12:30** **Registration**
- 1:00** **Welcome and opening remarks, workshop background**
Tony Willardson, Western States Water Council (WSWC)
Jeanine Jones, California Department of Water Resources (CDWR)
- 1:30** **Weather Research Act and FLOODS Act Implementation**
Dave DeWitt, National Weather Service, Climate Prediction Center (NWS CPC)
- 2:15** **S2S Coalition Activities, Appropriations & Reauthorization**
Jeanine Jones, CDWR
- 2:45** **WY 2023 Outlooks – What Went Wrong?**
Emerson LaJoie, NWS CPC
- 3:15** **Break**
- 3:30** **NIDIS S2S activities & S2S in NIDIS strategic plan**
Amanda Sheffield, NOAA National Integrated Drought Information System
- 4:00** **A Linear Inverse Model for Improved Week 3-4 CPC Operational Outlooks**
John Albers, NOAA Earth Systems Research Lab (ESRL)
- 4:30** **Adjourn**

Wednesday. Aug 16th

- 8:30** **WestFAST Agencies Panel discussion – S2S forecasting needs/activities**
Mark Brusberg, US Department of Agriculture (virtual)
Jerry Cotter, US Army Corps of Engineers
Mindi Dalton, US Geological Survey
Chris Frans, US Bureau of Reclamation
Stephanie Granger, National Aeronautics & Space Administration
Nanette Hosenfeld, NWS Colorado Basin Forecast Center

- 10:00** **Break**
- 10:15** **Group discussion, concepts for a western S2S pilot project**
Discussion leader: Dorothy Koch, NOAA Weather Program Office (virtual)
Discussants:
Mike Deflorio, UC San Diego
Dave Dewitt, NOAA CPC
Juliana Dias, NOAA ESRL (virtual)
John James, Yuba County Water Agency
Jeanine Jones, CDWR
Matt Newman, NOAA ESRL
Bo Svoma, Salt River Project
Vijay Tallapragada, NOAA EMC (virtual)
- 12:00** **Lunch (on your own)**
- 1:30** **Water agency panel discussion – S2S forecasting needs/activities**
Kristin Anderson, Portland Water Bureau
Nelun Fernando, Texas Water Development Board (virtual)
Bill Hauck, Truckee Meadows Water Authority
John James, Yuba County Water Agency
Dave Kanzer, Colorado River Conservation District
- 3:00** **Break**
- 3:15** **Non-ENSO teleconnections & southwestern precipitation**
Gudrun Magnusdottir, UC Irvine
- 3:45** **Review of Scripps Subseasonal Precipitation & Ridging Forecasts for WY 2023**
Mike DeFlorio, UC San Diego
- 4:15** **Defining forecast skill**
Mike DeFlorio, UC San Diego
- 4:45** **Adjourn**

Thursday, Aug 17th

- 8:30** **Drivers of variability at the S2S time scale, representation in models**
Agniv Sengupta, UC San Diego
- 9:00** **Leveraging multi-model ensemble hindcast databases to evaluate seasonal-to-multiannual ENSO predictability**
Matt Newman, NOAA ESRL
- 9:30** **Drivers of cyclicity in western precipitation and the effect of global warming (or lack of) on the wet WY 2023**
Park Williams, UC Los Angeles

- 10:00** **Improving CFSv2 Seasonal Precipitation Forecasts with hybrid dynamical-statistical model approach**
Wei Zhang, Utah State University
- 10:30** Break
- 10:45** **Groundwater recharge & S2S Forecasting needs**
Olivia Cramer, Turlock Irrigation District
- 11:15** **California's WY 2023 – Why S2S Forecasting is Needed**
Mike Anderson, CDWR
- 11:45** **Adjourn**

Background information: <https://www.s2sforecasting.org/>