



Draft Agenda

Improving Sub-Seasonal to Seasonal (S2S) Precipitation Forecasting



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

May 18-20, 2020

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

Monday, May 18th

- 11:00 **Registration**
- 1:00 **Welcome and Opening Remarks, Workshop Background, & Desired Outcomes –**
Tony Willardson, Western States Water Council
Jeanine Jones, California Department of Water Resources (CDWR)
- 1:30 **Weather Research Act Implementation –** Dave DeWitt, National Weather Service, Climate Prediction Center
- 2:15 **NOAA ESRL Experimental Seasonal Forecast for WY 2020 (Western U.S.) – How it Turned Out, Handoff to CPC –** Michael Scheuerer, NOAA ESRL
- 3:00 **Colorado River Basin State of the Science Report –** Seth Shanahan, Southern Nevada Water Authority
- 3:15 **Break**
- 3:30 **Incorporating New Information at CBRFC –** Michelle Stokes, Colorado Basin River Forecast Center
- 4:15 **Drought Followed by Wildfire: Wildfire Risk Prediction –** Tim Brown, Western Regional Climate Center
- 5:00 **Adjourn**
- 5:30 **Reception**

Tuesday, May 19th

- 8:00 **Continental Breakfast**
- 8:30 **California's WY 2020 – How Could Have S2S Forecasts Been Used? –** Mike Anderson, DWR (Tentative)
- 8:45 **Experimental Forecasts of West Coast Atmospheric Ridging, How Did Ridging Evolve This Winter/What Did Forecasts Say? –** Peter Gibson, Scripps

- 9:30 **Forecasting & Decision Support Challenges in Alaska (that other West Coast state)** – Rick Thomas, Alaska Center for Climate Assessment & Policy
- 10:15 **Break**
- 10:30 **Status of Experimental Statistical Forecasts for California and Colorado River Basin** – Rong Fu, UCLA
- 11:15 **Approaches to Seasonal Forecasting Project for California and Colorado River Basin** – Duane Waliser, NASA JPL
- 12:00 **Lunch** (on your own)
- 1:30 **Start-up of Forecast-Informed Reservoir Operations Pilot Project for Yuba/Feather River Basin** – Molly White, CDWR
- 2:15 **USGS Next Generation Water Observing System Pilot Project for Upper Colorado River Basin** -- Chad Wagner, USGS
- 3:00 **Break**
- 3:15 **Novel Precipitation Observing Systems** – Rain Cube
- 4:00 **Where Has All the (Historical) Snowpack Gone, Challenges in Using Historical Data for Prediction** – Phil Mote, CEOAS, Oregon State University
- 5:00 **Adjourn**

Wednesday, May 20th

- 8:00 **Continental Breakfast**
- 8:30 **Overview of CDWR Efforts on S2S Forecasting Improvement, What Next?** – Jeanine Jones, CDWR
- 9:00 **Predictability & Prediction of the 2017 Northern Great Plains Flash Drought** – Andy Hoell, NOAA ESRL
- 9:45 **Use of Seasonal Temperature Forecasts to Improve Rio Grande Runoff Forecasts** – Ken Nowak, USBR
- 10:15 **Break**
- 10:30 **Atmospheric Circulation Patterns Associated with Large-Scale Western Droughts, the Paleo Perspective** – Connie Woodhouse, University of Arizona (invited)
- 11:15 **Forecasting Application – Update on Forecast-Informed Reservoir Operations Pilot Project at Lake Mendocino** – Sonoma County Water Agency
- 12:00 **Adjourn**