



# Workshop Agenda Improving Sub-Seasonal to Seasonal (S2S) Precipitation Forecasting



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

May 14-16, 2018

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

## Monday, May 14

- 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 of 2017 Implementation** – Dave DeWitt, National Weather Service,  
Climate Prediction Center
- 2:15 **Reaping the Benefits of California's Investment in Observations & Research** – Mike  
Anderson, CDWR
- 3:00 Break
- 3:15 **Incorporating Satellite Data into Weather and Climate Models** – Stephanie Granger, National  
Atmospheric and Space Administration, Jet Propulsion Laboratory (NASA JPL)
- 4:00 **Reclamation's Forecast Rodeo, Participants' Performance to Date** – Dave Raff, Bureau of  
Reclamation
- 4:45 **June 2018 International Atmospheric Rivers Conference** – Anna Wilson, Scripps Institution of  
Oceanography
- 5:00 Adjourn

## Tuesday, May 15

- 8:00 Continental Breakfast
- 8:30 **Texas Work on S2S Forecasting and Predictive Needs** – Nelun Fernando, Texas Water  
Development Board (by phone)
- 9:15 **Improving 1-4 week NOAA Precipitation Forecasts for California** – Tom Hamill, NOAA Earth  
Systems Research Lab & Mike Anderson, CDWR
- 10:30 Break

- 10:45 **Oregon Applications for S2S Forecasting and Atmospheric River Information** – Keith Mills, Oregon Water Resources Department
- 11:30 **Experimental S2S Forecasts for California: Wet and Dry Conditions from Atmospheric Rivers and Blocking Events** – Duane Waliser, NASA JPL
- 12:15 Lunch (on your own)
- 1:45 **Scripps Atmospheric River Activities including This Winter's Observations in the Pacific Northwest** – Marty Ralph, Scripps Institution of Oceanography
- 2:30 **Seasonal Prediction of Western United States Snowpack** – Sarah Kapnick, NOAA Geophysical Fluid Dynamics Lab
- 3:15 Break
- 3:30 **Importance of Seasonal Forecasting in the Colorado River Basin** – Colby Pellegrino, Southern Nevada Water Authority
- 4:15 **S2S Prediction Research at Colorado State University** – Cory Baggett, Colorado State University
- 5:00 Adjourn

### **Wednesday, May 16th**

- 8:00 Continental Breakfast
- 8:30 **Closed/Cut-Off Low Pressure Systems – What They Are and Forecasting Challenges** – Roger Pierce, WestFAST & National Weather Service (NWS)
- 9:00 **Mechanisms Contributing to Cool-Season Precipitation in the Upper Colorado River Basin** – Pending Work for CDWR – Ben Hatchett, Western Regional Climate Center
- 9:45 Break
- 10:00 **Follow-up Potential for Prior Reclamation-Funded Research on Inland-Penetrating Atmospheric Rivers** – Kelly Mahoney, NOAA Earth Systems Research Lab
- 10:45 **Forecasting Challenges in Upper Colorado River Basin** – John Lhotak, Colorado Basin River Forecast Center (by phone)
- 11:30 Lunch (on your own)
- 1:00 **This Winter's Southern California Forecasting Challenges** – Alex Tardy, NWS San Diego
- 1:45 **Status of Research Pilot Projects on Forecast-Informed Reservoir Operations** – Jay Jasperse, Sonoma County Water Agency (Lake Mendocino)  
Adam Hutchinson, Orange County Water District (Prado Dam)
- 3:00 **Background for Thursday's Tour of Orange County Water District Groundwater Recharge Facilities and Groundwater Replenishment System**
- 3:30 **Wrap-up Discussion & Action Items**
- 4:00 Adjourn