

**NASA and the California Department of Water Resources  
Remote Sensing for Drought Monitoring and Response Workshop**

**Agenda**

February 25<sup>th</sup> and 26<sup>th</sup>, 2014  
Sacramento Convention Center, Room103

**Tuesday, February 25<sup>th</sup>**

- 1:00 – 1:20    **Welcome and Introduction**  
Secretary John Laird, California Natural Resources Agency  
Jeanine Jones, California Department of Water Resources  
Lawrence Friedl, NASA Headquarters
- 1:20 – 1:40    **NASA Applied Sciences Program**  
Brad Doorn, NASA Headquarters
- 1:40 – 2:40    **Remote Sensing of Precipitation and Snow Water Resources**  
Airborne Snow Observatory, Tom Painter, NASA Jet Propulsion Laboratory
- Satellite Monitoring of the Snowpack in the Sierra Nevada, Jeff Dozier,  
University of California, Santa Barbara
- Enhancing California's Water Resource Management and Decision Support  
Systems through Remote Sensing of Precipitation, Soroosh Sorooshian,  
University of California, Irvine
- 2:40 – 3:00    *Break*
- 3:00 – 4:00    **Remote Sensing for Drought Impact Assessment and Mitigation**  
Remote Monitoring of Groundwater with Orbital Radar, Tom Farr, NASA Jet  
Propulsion Laboratory
- Fallowed Area Mapping for Drought Impact Reporting and Decision Making,  
Forrest Melton, NASA Ames Research Center, Cooperative for Research in Earth  
Science and Technology (ARC-CREST) / Audra Zakzeski, USDA National  
Agricultural Statistics Service
- Satellite Irrigation Management Support, Forrest Melton, NASA ARC-CREST

- 4:00 – 4:20 **Sub-seasonal Forecasting**  
Atmospheric Rivers and the Madden Julian Oscillation: Key Phenomena for Predicting California Water Availability and Extremes, Duane Waliser, NASA Jet Propulsion Laboratory
- 4:20– 4:45 **Questions and Discussion**
- 4:45 **Adjourn**

**Wednesday, February 26<sup>th</sup>**

- 9:00 – 9:40 **2014 California Water Outlook**  
2014 California Water Outlook and Update from the National Integrated Drought Information System Workshop, Kelly Redmond, Desert Research Institute
- Real time Satellite Estimation and Mapping of Snow Water Equivalent across the Sierra Nevada, Noah Molotch, University of Colorado, Boulder
- 9:40 – 10:20 **Drought in the Context of Climate Change and Infrastructure**  
Adaptation Planning for Climate Change Impacts using Advanced Decision Support and Remote Sensing: Irrigated Agriculture in California's Central Valley, Jonathan Winter, Dartmouth University / NASA Goddard Institute for Space Studies
- Monitoring of California Levees with Airborne Remote Sensing, Cathleen Jones, NASA Jet Propulsion Laboratory
- 10:20 – 11:00 **Satellite Remote Sensing of Soil Moisture and Groundwater**  
Remote Sensing of Soil Moisture: The Soil Moisture Active Passive Mission, Narendra Das, NASA Jet Propulsion Laboratory
- Recent Observations from California and Future Directions for GRACE, Jay Famiglietti, University of California, Irvine
- 11:00 – 11:20 **Questions and Discussion**
- 11:20 **Adjourn**