2018 WSWC Water Information Management Systems (WIMS) Workshop
January 16-18th | NASA JPL | Pasadena, CA

Workshop Goals: WSWC is re-introducing the WIMS to increase dialogue between not only member state appointees, but among their IT and program staff also. The intent is to discover the needs of WSWC members and what their highest priorities are regarding water data acquisition, quality control, and publication. Prior to the workshop, WSWC investigated topics with members and selected those that seemed to be most relevant and of highest interest for continued operations in the agencies, and also for future directions. This particular WIMS focuses on water use reporting/permitting systems, IT-related adjudications topics, use of cloud computing and big data, an overview of advances and recent projects pertaining to remote-sensing techniques (with participation from NASA's WWAO office), and open water data platforms and trends. Future WIMS topics will also be discussed and prioritized.

Tuesday, January 16

Registration		1:00pm - 1:15pm
Welcoming Remarks		1:15pm - 1:30pm
Adjudications Data Management Strategies		**1:30pm - 3:00pm**
Invited Speaker	Adjudications in Utah	
Invited Speaker	Adjudications in Idaho	
Invited Speaker	Adjudications in Oregon	
Roundtable Discussion		

Snack and Networking Break

Water Use/Permitting Data and Reporting Systems		**3:30pm - 5:30pm**
Invited Speaker	Implementing Water Use Reporting in Utah	
Invited Speaker	Online Water Use Reporting in Arizona	
Invited Speaker	Online Water Permitting in Nebraska	
Invited Speaker	Implementing SGMA	
End of Day Discussion		

Wednesday, January 17

"Big Data" and the Cloud	8:30am - 10:30pm
Sara Larsen (WSWC)	Cloud Survey and WaDE Program
Stephanie Granger/Forrest Melton (NASA)	WWAO Program/Application Transition
Invited Speaker	Cloud Case Study
Invited Speaker	Cloud Case Study
Roundtable Discussion	Additional "Cloud" Questions

Snack and Networking Break

Advances in Remote Sensing and ET Estimation	11:00am - 12:30am
Forrest Melton (NASA)	CIMIS and NASA's SIMS
Justin Huntington /Dan McEvoy (DRI)	Open ET
Invited Speaker	InSAR
Invited Speaker	ASO
Roundtable Discussion	

Catered Lunch - Lunch Presentation - Improvements in S2S Precipitation Prediction and Benefits

Brainstorming States' RS Needs and Applications	2:00pm - 3:30pm
Invited Speaker	Use of S2S Precip Predictions by TWDB
Interactive Brainstorm Session with Stephanie Granger - NASA WWAO/JPL Office	

Snack and Networking Break

Sensor-Based Observations Data Acquisition and Applications	4:00pm - 5:30pm
Invited Speaker	Agrimet Update
Invited Speaker	Soil Moisture Data in Enforcement Actions
Invited Speaker	Drone Use at CDWR: Water Project O&M
Invited Speaker	Drone Use For Water Regulatory Action
Invited Speaker	Sensor-based Data Publication (online metering data)
End of Day Discussion	

Thursday, January 18

Open Water Data Access, Publication, Visualization, and Archiving	8:30am - 10:30am
Invited Speaker	Open Water Data Initiative/Federal Data Resources
Invited Speaker	Aspen Institute "Internet of Water"
Invited Speaker	CUAHSI and HydroClient
Invited Speaker	CA-Control Board Data-Sharing and Viz
Invited Speaker	Big Data/Demographic Data-Mining for Planning, Projects, etc.
Roundtable Discussion	

Snack and Networking Break

Data Access, Publication, Visualization, and Archiving (continued)	11:00am - 12:30pm
Invited Speaker	TWDB Data Visualization and ROI
Sara Larsen (WSWC)	WaDE Data Access and Program Directions
Invited Speaker	OWIA (AB1755) and Western Water Data Archive
Tony Willardson	Basic Water Data Funding (WSWC and data programs)
End of Workshop Discussion	

Next WIMS Workshop Topics and Adjourn