## 2024 NASA Western Water Applications Office (WWAO) Annual Meeting

## April 30 - May 2, 2024 Sustainability, Energy and Environment Community (SEEC) Auditorium C120 University of Colorado, Boulder, CO

Zoom Meeting Link: https://cuboulder.zoom.us/j/98885250303 Meeting ID: 988 8525 0303 Passcode: 40012024 Join by Telephone: 1-719-359-4580

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Tuesday April 30, 2024 WWAO Annual Meeting: Day 1				
Time (MT)	Title	Speakers	Affiliation	
8:00 AM	Registration	•		
8:50 AM	Logistics	Alphan Altinok	WWAO/ NASA-Jet Propulsion Laboratory (JPL)	
9:00 AM	Welcome and Updates from the NASA Earth Action Program	Tom Wagner, Director, Earth Action	NASA-HQ	
9:20 AM	Welcome from NASA Water Resources Program	Erin Urquhart, Program Manager	NASA-HQ	
9:40 AM	Welcome and Updates from the WWAO Program	Stephanie Granger, WWAO Program Manager	WWAO / NASA-JPL	
10:00 AM	Host Welcome and Presentation	Karl Rittger	University of Colorado, Boulder	
10:15 AM	BREAK		1	
		Rajat Bindlish	NASA-Goddard Space Flight Center (GSFC)	
10:30 AM	Panel Discussion: WWAO Project Impacts (Moderator: Amber Jenkins)	Lee Johnson	NASA-Ames Research Center (ARC)	
		Amber McCullum	WWAO / NASA-ARC	
	Colorado River Basin Projects & Impacts (Moderator:	Amber McCullum)		
11:30 AM	Western Land Data Assimilation System and Drought Monitoring in Colorado	Jessica Erlingis	NASA-Goddard Space Flight Center (GSFC)	
11:45 AM	Estimating Consumptive Use from Evapotranspiration in the Upper Colorado River Basin	Chris Hain	NASA-Marshall Space Flight Center (MSFC)	
12:00 PM	LUNCH			
	Columbia River Basin Projects & Impacts (Moderator:	: Amber McCullum)		
1:15 PM	Consistent, Accepted, and Accessible Watershed Scale Summaries of Evapotranspiration and Irrigated Lands Data for Improved Water Management in the Columbia River Basin	María I. Zamora Re	Oregon State University	
1:30 PM	Long-term mapping and Analysis of Double- Cropping Extent in the Columbia River Basin	Michael Brady and Kirti Rajagopalan	Washington State University	
1:45 PM	Assessment of Satellite-based ET Mapping for Improved Water and Nutrient Management in the Magic Valley	Erin Brooks and Jason Kelley	University of Idaho	
2:00 PM	Improving Predictions of Water Yield and Sediment Loads in the Columbia River Basin	Mariana Dobre	University of Idaho	
2:15 PM	Using NASA Satellite Data with an Al-Based River Hydrology Model to Improve Operational Water Supply Forecasts	Sean Fleming	Oregon State University	
2:30 PM	BREAK	•	•	
	Introduction to Rio Grande Basin Projects (Moderato	r: Alphan Altinok)		

2:45 PM	Enhancing Hydrologic Forecasting in the Rio Grande Basin	Chandana Gangodagamage Joseph Gutenson	OEILSAT LLC RATES Research
3:00 PM	A Terrestrial Hydrology Climate Information Dashboard for Water Management Decision Support in the Rio Grande Basin	Jessica Erlingis	NASA-GSFC
3:15 PM	Hydrologic Modeling Dashboard for the Rio Grande Basin	Laurel Lacher	Principal, Lacher Hydrological Consulting
3:30 PM	A collaborative Human-Centered Design approach towards new NASA products for satellite snow monitoring	Adrian Marziliano	University of New Mexico
3:45 PM	Using Remote Sensing to Estimate Surface water - Groundwater Interaction	Barney Austin	Aqua Strategies Inc.
4:00 PM	Developing an Integrated Modeling Framework for Rio Grande Basin Water Resources Management	Vikalp Mishra	University of Alabama, Huntsville
4:15 PM	Applying NASA Remote Sensing Capabilities to Improve Water Resource Management in the Rio Grande Basin	Max Gersh	New Mexico Office of the State Engineer
4:30 PM	Wrap Up and Adjourn	Alphan Altinok, Stephanie Granger	WWAO/ NASA-JPL

Wednesday May 1, 2024 WWAO Annual Meeting: Day 2			
Time (MT)	Title	Speakers	Affiliation
8:30 AM	Registration		
9:10 AM	Welcome from the WWAO Team	Stephanie Granger	WWAO/ NASA-JPL
		Alyssa Whitcraft	University of Maryland
9:15 AM	Panel - NASA Earth Action Initiatives: Food, Fire, Biodiversity, Indigenous Peoples	Jackie Shuman	NASA-ARC
	(Moderator: Amber Jenkins)	Kimberley Miner	NASA-JPL
		Amber McCullum	WWAO/ NASA-ARC
10:15 AM	BREAK		
	Basin Practitioner Insights: Local and Regional Persp	pectives (Moderator: Sha	ron Ray)
10:30 AM	Rio Grande River Basin	Dagmar Llewelyn	U.S. Bureau of Reclamation (USBR)
		Troy Ethington	Southern Nevada Water
10:45 AM	Colorado River Basin	Seth Shanahan	Authority
11:00 AM	Missouri River Basin	Doug Kluck	National Oceanographic and Atmospheric Administration (NOAA)
11:15 AM	Columbia River Basin	Jordan Beamer	Oregon Water Resources Department
11:30 AM	California	Mike Anderson	California Department of Water Resources
11:45 AM	LUNCH		
	Panel Discussion: Science to Operations (Moderator: Amber McCullum)	Adel Abdallah	Western States Water Council (WSWC)
1:00 PM		Mindi Dalton	United States Geological Survey (USGS)
		Eric Jensen	Desert Research Institute
		Ken Nowak	HCDD
		Paul Tigan	USBR Metropolitan Group
	Panel Discussion: Private and NGO Sector	Hilda Berganza	Hispanic Access Foundation
2:15 PM	Perspectives (Moderators: Mark Davidson, Sharon Ray)	Art Umble	Stantec, Inc.
		Bailing Li	NASA-GSFC
3:00 PM	BREAK		W
	Special Topic: Spotlight on New and Upcoming NASA (Moderator: Alphan Altinok)	A Missions Relevant for	water Resources
3:15 PM	NASA Surface Water and Ocean Topography (SWOT) Mission Applications	Cassandra Nickles	NASA-JPL
3:30 PM	Observational Products for End-Users from Remote Sensing Analysis (OPERA)	Renato Frasson	NASA-JPL
3:45 PM	NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Mission Applications	Erin Urquhart	NASA-GSFC
4:00 PM	NASA ISRO Synthetic Aperture Radar (NISAR)	Brandi Downs	NASA-JPL
4:15 PM	NASA Surface Biology and Geology (SBG) Mission	Africa Flores	NASA-MSFC
4:30 PM	NASA/USGS Landsat Mission	Tim Stryker	USGS
4:45 PM	Reception and Poster/Tool Session		
6:30 PM	ADJOURN		

Thursday May 2, 2024 WWAO Annual Meeting: Day 3						
Time (MT)	Title	Speakers	Affiliation			
8:30 AM	Panel - Improving Data Accessibility and Insight: Drought Risk and Resilience Planning platform, WaDE, SPoRT, Hydrology Testbed, OpenET (Moderator: Amber Jenkins)	Gretel Follingstad	NOAA NIDIS			
		Adel Abdallah	WSWC			
		Emily Berndt	NASA-MSFC			
		Tanya Petach	Aspen Global Change Institute			
		Forrest Melton	NASA-ARC			
9:15 AM	WWAO Look Ahead - Emerging Needs, Opportunities, Challenges	Stephanie Granger	WWAO/ NASA-JPL			
9:30 AM	WWAO's Next Steps - Group Discussion	Amber Jenkins	WWAO/ NASA-JPL			
10:00 AM	Online Survey	Alphan Altinok	WWAO/ NASA-JPL			
10:05 AM	ADJOURN					