



Center for Advanced Decision Support for  
Water and Environmental Systems (CADSWES)

UNIVERSITY OF COLORADO **BOULDER**

# **Welcome to the 2025 RiverWare User Group Meeting**

**2025 RiverWare User Group Meeting**

# Agenda

Wednesday February 5, 2025

8:30-9:00	<b>Registration, Check-in and Continental Breakfast</b>
9:00-9:15	<b>Welcome, CADSWES introductions, and Logistics</b> — CADSWES
9:15-9:50	<b>Keynote Address: State of RiverWare, who's using it, and future plans</b> — CADSWES
9:50-10:10	<b>The Colorado River Basin Post-2026 Operations Exploration Tool: A Web-Based Modeling Interface and Interactive DMDU Analysis</b> Rebecca Smith and Nathan Bonham – U.S. Bureau of Reclamation
10:10-10:30	<b>Enabling Strategy Creation and Modification Through an Intuitive User Interface</b> Natalie Coston Daniels – Virga Labs
10:30-10:50	Break and Networking
10:50-11:10	<b>New Features: Window and Workspace</b> — CADSWES
11:10-11:30	<b>Rio Grande Integrated Model - Linking RiverWare with two MODFLOW Models</b> Steve Setzer – Hydros Consulting Inc.
10:30-11:50	<b>Utilizing RiverWare accounting to calculate depletions from ESA actions on the Pecos River</b> Lucas Barrett – U.S. Bureau of Reclamation
11:50-12:10	<b>Overview of the TROA Planning Enabled Operations Project in the Truckee River Basin</b> Caleb Erkman – US District Court Water Master's Office; Patrick Noe - Precision Water Resources Engineering
12:10-1:30	Lunch - Provided
1:30-1:50	<b>Borg-RiverWare</b> — CADSWES
1:50-2:10	<b>A Multi-Reservoir Testbed in Borg-RiverWare to Aid Multi-Objective Simulation-Based Optimization</b> Joseph Kasprzyk – CU Boulder
2:10-2:30	<b>Optimization of Operational Policies for Tarrant Regional Water District's West Fork System</b> Vini de Oliveira – Tarrant Regional Water District; John Craven - Hydros Consulting, Inc.
2:30-2:50	<b>The dams are gone, but Salmon and Natural Flow Study Are Back</b> Tim Clarkin – U.S. Bureau of Reclamation
2:50-3:10	<b>New Features: Settings Manager, Outputs and Data Analysis</b> - CADSWES
3:10-3:30	Break and Networking
3:30-3:50	<b>New Features for Operations: Snapshots, Notes and the SCT</b> - CADSWES
3:50-4:00	<b>Water Management Direction of USACE-SWF</b> John Hunter – U.S. Army Corps of Engineers
4:00-4:20	<b>Filling the Gap: Building the Upper Red River Period of Record Model</b> Matt Wunsch – U.S. Army Corps of Engineers
4:20-4:40	<b>Lake Whitney Water Supply Reallocation</b> Tim Helms – U.S. Army Corps of Engineers
4:40-5:00	<b>Training, Licensing, Issue-Tracking, Releases</b> — CADSWES
5:30	Happy Hour

Thursday February 6, 2025

8:00-8:30	Continental Breakfast
8:30-8:50	<b>Overview of RiverWare Optimization and Hydropower Modeling</b> — CADSWES
8:50-9:10	<b>Building Better Models Through Collaboration: Lessons from Alabama Power Company's RiverWare Development</b> Josh Free – Alabama Power; Abby Watson - RTI International
9:10-9:30	<b>Optimizing Storage: Using RiverWare Modeling to Enhance Strawberry Reservoir Operations</b> Troy Ovard – Central Utah Water Conservancy District; Tony Powell - Precision Water Resources Engineering
9:30-9:50	<b>RiverWare as a Planning Tool for Drought Mitigation: Implementing Administrative Processes at Basin Scales</b> Leland Dorchester and Shane Coors – Precision Water Resources Engineering
9:50-10:10	<b>New Features - Scripts, DMIs, Slots and RPL</b> — CADSWES
10:10-10:30	Break and Networking
10:30-10:50	<b>Should Egypt be afraid of the Grand Ethiopian Renaissance Dam?</b> Kevin Wheeler – University of Oxford
10:50-11:10	<b>Modeling Reservoir and Canal Operations for Irrigation Projects in Saskatchewan, Canada</b> Patrick Noe – Precision Water Resources Engineering; Eric Hersh – Stantec Engineering
11:10-11:30	<b>A Daily-Timestep Planning and Administration Model of the San Juan River, New Mexico</b> Nick Mander – Hydros Consulting Inc.
11:30-11:50	<b>Ongoing Features and Enhancements</b> — CADSWES
11:50-12:15	<b>Feedback from Users and Open Mic</b> — CADSWES
12:15	Adjourn

# The CADSWES RiverWare Team

Project Managers, Water Engineers, Trainers, Help Desk, Modelers:

David Neumann

Mitch Clement

Software Developers:

Bill Oakley

Patrick Lynn

Ryan Lankin

Operations Research Analysts:

Tim Magee

Mitch Clement

IT Support:

Jim Pasquotto

Licensing:

Jessica Lee

Finances:

Kathryn Baack

Tech Transfer Coordinator and Office Manager:

Gwen Miller

Director and Project Leader:

Edie Zagona

Faculty Affiliates:

Professors Joseph Kasprzyk and Balaji Rajagopalan

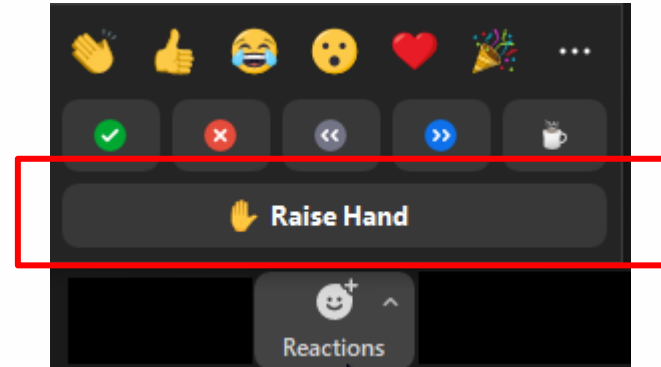
Students:

Maddy Pernat

Zach Carpenter

# Important Logistics – Online Attendees

- To ask a question
  - Send a Chat, to everyone
  - Raise hand or chat to ask to speak. Then we will unmute you



# Important Logistics – In-Person

- Handouts
  - Agenda
- Speaker's guidelines
  - Microphones
  - Time keeping: 5min and 1min cards
  - Use electronic pointer
- Use microphones for all questions
- Wi-Fi: "UCAR Visitor" network
- Professional Development Hours Certificate
  - On-site attendees only
  - See Gwen
- Exterior Doors are locked