

# 2021 CALIFORNIA GROUNDWATER ISSUES

## Virtual Conference – in webinar format

An annual information-exchange program organized by:  
Association of Ground Water Agencies and American Ground Water Trust

Registration (on-line [www.agwt.org/events](http://www.agwt.org/events))



Tuesday, February 9th – 8:15 – 12:30 (Pacific ST)  
Wednesday, February 10th – 8:15 – 12:30 (Pacific ST)



*The 2021 California Groundwater Conference is a virtual event this year. Attend from anywhere and relax while you learn about the state's water management challenges and solutions.*

**“The AGWT always assembles an impressive selection of presentations”**

**“Each year this annual AGWA/AGWT program gives background and insight to state water policy issues”**

**“If I can only attend one conference focused on California groundwater - this is the one”**



### WHO SHOULD SIGN-UP FOR THIS WEBINAR?

This annual program attracts participation from California's water managers, water attorneys, engineers, geologists, hydrogeologists, planners, utility operators, groundwater consultants, water treatment specialists, water well contractors, groundwater end-users, city & county government, Federal and State water agencies, regulatory authorities, environmental NGOs and interested citizens.

*“I attend this program every year: it always has interesting and relevant topics”*

*“Great mix of water management science, engineering, politics and policy”*



### CONTINUING EDUCATION

Approved for CA Drinking Water Operators – 8 Hours (4 Hours per day)  
Certificate of attendance available for all attendees upon completion of CE Form.



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# 2021 AGWA – AGWT Virtual California Groundwater Conference

**Day One: AGWA AGWT California Groundwater Webinar - Tuesday, February 9<sup>th</sup>, 2021**

Webinar begins at 8:15am (Pacific time) and depending on the time need for Q & A and discussion, will end at approximately 1:00pm.

## IMPLEMENTING SGMA AT GROUND ZERO: CHALLENGES AND OPPORTUNITIES FOR THE SAN JOAQUIN VALLEY

Ellen Hanak, PhD, Vice President and Director of the Water Policy Center, Public Policy Institute of California, San Francisco, CA



## RESEARCH ON THE BASE OF FRESHWATER IN CENTRAL VALLEY AQUIFERS: IMPLICATIONS FOR SGMA GROUNDWATER MANAGEMENT

Debra Perrone, PhD, Assistant Professor, UC Santa Barbara Environmental Studies Program, Santa Barbara, CA.

## AN ACCOUNTING SYSTEM TO CLASSIFY WATER AS AN “ASSET” FOR WHICH QUANTITIES AND QUALITIES CAN BE DEFINED AND VALUED: The WRMS (water resources management system) concept

Andy Clay, Advisor at EY (Ernst & Young), Johannesburg, South Africa

## WATER TRANSFERS IN CALIFORNIA: MARKET-BASED TOOLS FOR WATER MANAGEMENT

Matt Payne, Principal, WestWater Research, Phoenix, AZ

## ROLE OF SATELLITE DATA IN GROUNDWATER USE MONITORING AND POLICY ENFORCEMENT

Timothy Foster, PhD, Senior Lecturer, Department of Mechanical, Aerospace and Civil Engineering, University of Manchester, UK; Nick Brozović, PhD, Director of Policy, Daugherty Water for Food Global Institute and Professor, Agricultural Economics, and Taro Mieno, PhD, Assistant Professor, Agricultural Economics, University of Nebraska, Lincoln, NE

## THE USE OF AIRBORNE EM DATA TO SUPPORT GROUNDWATER MANAGEMENT

Rosemary Knight, PhD, Director, GEM Center, Department of Geophysics, Stanford University, Stanford, CA

## A TOWED TEM SYSTEM FOR HIGH RESOLUTION SITE CHARACTERIZATION FOR BETTER SGMA GROUNDWATER MANAGEMENT PLANS

John Jansen, PG, PGp, PhD, Senior Geophysicist and Hydrogeologist, Collier Consulting, Stephenville, TX

## REALIZING DECISION-SUPPORT DIVIDENDS FROM GROUNDWATER MODELING INVESTMENTS

Jeremy White, PhD, Principal Hydrogeologist, Intera Inc., Boulder, CO

## CASE STUDY: USE OF AN INTEGRATED RIVER MODEL TO HELP DEVELOP A GROUNDWATER SUSTAINABILITY PLAN

David Barnes, Senior Modeler, Geoscience Support Services Inc., Claremont, CA

## AN AGRICULTURAL INDUSTRY PERSPECTIVE ON SGMA WATER MANAGEMENT OPTIONS

Cannon Michael, President/CEO Bowles Farming Company, Los Banos, CA

## REVIEW OF DAY ONE OF THE WEBINAR

Anthony Zampiello, Chairman, Association of Ground Water Agencies and Executive Officer, Raymond Basin, Azusa, CA

**Scroll down for Day Two Presenters and Registration Information**



**Day Two: AGWA AGWT California Groundwater Webinar - Wednesday, February 10<sup>th</sup>, 2021**

Webinar begins at 8:15am (Pacific time) and depending on the time need for Q & A and discussion, will end at approximately 12:30pm



**CHARACTERIZING GROUNDWATER QUALITY AT CALIFORNIA'S PFAS SITES**

Wendy Linck, PG, PMP, Senior Engineering Geologist, Division of Water Quality, State Water Resources Control Board, Sacramento, CA

**PFAS SAMPLING PROTOCOLS: GETTING IT RIGHT GIVES MORE CONFIDENCE IN LAB RESULTS**

David Kaminski, Senior Vice President, QED Environmental Systems Inc., Pleasant Hill, CA

**WATER WELL DESIGN AND CONSTRUCTION FOR OPTIMAL WELL PERFORMANCE IN AREAS WITH GROUNDWATER QUALITY ISSUES**

Marvin Glotfelty, RG, Principal Hydrogeologist, Clear Creek Associates, Scottsdale, AZ

**REGIONAL RECYCLED WATER PROGRAM UPDATE: PLANNING FOR A REGIONAL MULTI-BASIN GROUNDWATER RECHARGE PROJECT**

Matthew D. Hacker, Senior Resource Specialist, Metropolitan Water District, Los Angeles, CA

**MAKING ROBUST DECISIONS FOR GROUNDWATER SUSTAINABILITY UNDER UNCERTAINTY**

Alvar Escrive-Bou, PhD, Research Fellow, PPIC Water Policy Center, San Francisco, CA

**MANAGING SALINITY IN THE CHINO GROUNDWATER BASIN – A TRUE REGIONAL PARTNERSHIP**

Shivaji Deshmukh, PE, General Manager, Inland Empire Utilities Agency, Chino Hills, CA and, Peter Kavounas, PE, General Manager, Chino Basin Watermaster, Rancho Cucamonga, CA

**A DATA DRIVEN APPROACH TO MAPPING AND MONITORING SURFACE WATER AND GROUNDWATER INTERACTIONS FOR GROUNDWATER SUSTAINABILITY PLANS.**

Laura Foglia, PhD, Adjunct Associate Professor, University of California Davis, and Consultant Senior Engineer, Larry Walker Associates, Davis, CA and Rich Pauloo, PhD, Hydrogeologist, Larry Walker Associates

**THE CONNECTION BETWEEN GROUNDWATER AND SURFACE-WATER: QUANTIFYING THE IMPACT OF INTERMITTENT STREAM FLOW AND WATER-YEAR TYPE ON STREAMFLOW DEPLETION IN A NORTHERN CALIFORNIA STREAM**

Gus Tolley, PhD, Hydrogeologist, Daniel B Stephens and Associates Inc., Grass Valley, CA

**PURPOSE AND PROGRESS OF THE "INTERNET OF WATER"**

Peter Colohan, Executive Director, Internet of Water, Nicholas Institute for Environmental Policy Solutions, Duke University, Durham, NC, and, Stacy Timmons, Associate Director, Hydrogeology Program and Project Lead, New Mexico Bureau of Geology & Mineral Resources, New Mexico Tech, Socorro, NM

**REVIEW OF DAY TWO OF THE WEBINAR AND CLOSING REMARKS**

Anthony Zampello, Chairman, Association of Ground Water Agencies and Executive Officer, Raymond Basin, Azusa, CA

**The webinar will be conducted via the Zoom platform with participant Q & A and discussion opportunity after each presentation.**

**Confirmation of registration will be sent at the time of registration and webinar login information will be emailed to all participants prior to the event date. There will be different login information for each day.**

**Scroll down for Registration Information**



# REGISTRATION and SPONSORSHIP FORM

AGWA AGWT California Groundwater Webinar – February 9-10, 2021

	Feb 9 <b>and</b> Feb 10	Feb 9 <b>or</b> Feb 10
<b>YOU MUST CHECK ONE: →</b>	<input type="checkbox"/>	<input type="checkbox"/> <b>or</b> <input type="checkbox"/>
<b>General Registration</b>	<input type="checkbox"/> \$250	<input type="checkbox"/> \$140
<b>Full-Time Student</b> (student ID required)	<input type="checkbox"/> \$80	<input type="checkbox"/> \$40
<b>Presentation ppts download</b> (Registrant Price) (pdf of slides no narration)	<input type="checkbox"/> \$30	

Register on-line at [www.agwt.org/events](http://www.agwt.org/events)

**SPONSOR:** Sponsor Levels:       \$2,000     \$ 1,000     \$500     \$250

\$500 sponsorship and above: Complimentary registration (1 person for each \$500)

Please call the AGWT (800) 423-7748 if you need an invoice, or if you would like to discuss sponsorship

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The American Ground Water Trust is a non-profit 501(c)(3) membership organization dedicated to providing accurate information about water resources, groundwater and wells to citizens, communities and decision makers. Contributions are tax deductible to the extent permitted by law.