

SGMA CONFERENCE

TOOLS FOR DEVELOPING A GSP



A critical step for compliance with the Sustainable Groundwater Management Act (SGMA) is the development of a successful Groundwater Sustainability Plan (GSP). This conference focuses on tools and techniques that can support key elements and programmatic considerations for GSP development.

MAY 3 - MAY 4, 2017

DoubleTree by Hilton Hotel Modesto
1150 Ninth Street Modesto, CA 95254

PRELIMINARY AGENDA



**Groundwater
Resources
Association**
of California

EST. 1992

FULL CONFERENCE AGENDA



Wednesday May 3, 2017

7:00am
8:15am

Registration/Continental Breakfast
Conference Welcome
GRA President, Chris Petersen, GEI and Conference Chair, Brett Wyckoff, Department of Water Resources

8:30am - 9:30am

Keynote Speaker
Bill Alley, National Ground Water Association

9:30am - 9:40am

Meet the Sponsors & Exhibitors

9:40am - 10:00am

Break In The Exhibit Area

Session 1 - Stream Depletion and GDEs

Moderator: John Lambie, E-PUR

10:00am - 10:25am

Streamlining Stream Depletion Modeling for Analysis of Groundwater Management Actions: An Interactive Approach for Managers and Stakeholders
Deborah Hathaway, S.S. Papadopoulos & Associates, Inc.

10:25am - 10:50am

Tools for Developing Groundwater Elevation Proxies for Surface Water Depletion Rates
Derrick Williams, HydroMetrics WRI

10:50am - 11:15am

Comparison of Surface-Groundwater Interaction Model Approaches to Establish Surface Water Protection Zones in Stanislaus County
Mike Tietze, Jacobson James & Associates

11:15am - 11:40am

Geochemical and Isotopic Tracers of Surface Water-Groundwater Interaction
Dr. Jean Moran, California State University, East Bay

11:40am - 12:05pm

CEQA as a Groundwater Management Framework for Protecting Groundwater Dependent Ecosystems
Bob Harrington, Inyo County Water Department

12:05pm - 1:30pm

Lunchtime Keynote - Gap Funding
John Diodati, San Luis Obispo County Public Works Department

Session 2 - Groundwater Data & Modeling / Setting Measurable Objectives

Moderator: Anona Dutton, Erler & Kalinowski, Inc.

1:30pm - 1:55pm

Minimum Thresholds, MODFLOW, and Sustainable Yield—Example of Model Application in a Coastal Groundwater Basin
John Lindquist, United Water Conservation District

1:55pm - 2:20pm

Using Cross-Sectional Models to Develop Proxy Measurable Thresholds for Seawater Intrusion
Sean Culkin, HydroMetrics Water Resources, Inc.

2:20pm - 2:45pm

Land Subsidence Monitoring and Quantitative Assessment Tools for Groundwater Sustainability Plans
Michelle Sneed, California Water Science Center, U.S. Geological Survey

2:45pm - 3:10pm

Stanislaus County Groundwater Ordinance and Discretionary Well Permitting: Lessons Learned and Tools for Sustainable Groundwater Management
Joel Bauman, Jacobson James & Associates, Inc.



3:10pm-3:30pm Break In The Exhibit Area

Session 3 - Groundwater Data & Modeling / Setting Measurable Objectives (continued)

Moderator: Steven Phillips, United States Geological Survey

3:30pm - 3:55pm Use of MODFLOW 6 to Simulate Demand-Based Boundary Flows
Joseph D. Hughes, U.S. Geological Survey

3:55pm - 4:20pm IWFM and C2VSim: Two Modeling Tools to Aid GSAs Comply with SGMA Requirements
Emin Dogrul, California Department of Water Resources

4:20pm - 4:45pm Progressive Development of Decision Support Tools and Groundwater Models for Groundwater Sustainability Plans
Enrique Lopezcalva, RMC, a Woodard and Curran Company

4:45pm - 5:10pm California Statewide Agricultural Land Use Mapping for Informed Decision Making and Temporal Change Assessment
Dr. Joel Kimmelshue, Land IQ

5:15pm - 7:15pm President's Reception & Poster Session

Thursday May 4, 2017

7:00am Continental Breakfast

8:15am Day 2 Conference Welcome
Conference Chair, Brett Wyckoff, Department of Water Resources

Session 4 – Best Management Practices for Sustainable Management of Groundwater Basins

Moderator: Lisa Porta, CH2M

8:30am - 8:55am Title TBD
Christina Babbitt, Environmental Defense Fund

8:55am - 9:20am Water Budget Framework for California
Abdul Khan, Department of Water Resources

9:20am - 9:45am Addressing Hydrogeologic Conceptual Model Uncertainty within the SGMA Planning Framework
Abhishek Singh, INTERA Incorporated

9:45am - 10:20am Break In The Exhibit Area

Session 5 - Best Management Practices for Sustainable Management of Groundwater Basins (Continued)

Moderator: Brett Wyckoff, Department of Water Resources

10:20am - 10:45am Technical Consensus and Multi-Party Sustainability Planning, Westside Groundwater Basin
John Fio, HydroFocus, Inc.

10:45am - 11:10am Groundwater Sequence Stratigraphy: A Geology-based Approach for Developing Accurate and Representative Hydrogeologic Conceptual Models for Successful Groundwater Sustainability Plans
Rick Cramer, Burns & McDonnell

11:10am-11:35am The Multiple Roles for Environmental Data in the SGMA
Matthew Tonkin, SS Papadopoulos & Assoc. Inc.

11:35am - 12:00pm California Actual Evapotranspiration (CalETa) Mapping Program: A Critical Input for Ground Water Modeling
George Paul, Formation Environmental, LLC

12:00pm - 1:30pm Lunch

continued..



Session 6 – Water Available for Replenishment

Moderator: Christy Kennedy, Wood & Curran

1:30 pm - 1:55pm	Stormwater Resource Plan Development and the Sustainable Groundwater Management Act <i>Adam Questad, Geosyntec Consultants</i>
1:55pm - 2:20pm	Stormwater Runoff from Urbanized Areas as a Groundwater Recharge Source <i>Michael Milczarek, GeoSystems Analysis, Inc.</i>
2:20pm - 2:45pm	Groundwater Recharge Feasibility Assessment for Sustainable Groundwater Management <i>Jeff Meyer, Montgomery & Associates</i>
2:45pm - 3:10pm	Quantifying the Effect of Groundwater Replenishment Under Changing Climate Scenarios <i>Jill Weinberger, Dudek</i>
3:10pm- 3:30pm	Break In The Exhibit Area

Closing Panel Session – What Resources are Available to Help with Groundwater Sustainability Planning?

3:30pm	Panel Introduction <i>Moderator: Jim Strandberg, West Yost Associates</i>
3:35pm - 3:45pm	Tara Moran, Stanford Water in the West
3:45pm - 3:55pm	Steve Phillips, US Geological Survey
3:55pm - 4:05pm	Sam Boland-Brian, State Water Resources Control Board
4:05pm - 4:15pm	Dane Mathis, Department of Water Resources
4:15pm - 4:25pm	Amy Woodrow, PG, Monterey County Water Resources Agency
4:25pm - 4:35pm	Jack Rice, California Farm Bureau
4:35pm - 5:00pm	Panel Discussion/Q&A

