

Groundwater Quality and Management under the Sustainable Groundwater Management Act

Stanford University
June 11, 2018

Stanford University's Water in the West and School of Earth, Energy and Environmental Sciences, and the University of California, Davis are co-hosting an Uncommon Dialogue on groundwater quality under the Sustainable Groundwater Management Act. The full-day workshop will take place on **Monday, June 11, 2018 from 8:30 am to 5:00 pm at Stanford University.**

This Dialogue seeks to:

1. Determine the role of groundwater sustainability agencies (GSAs) in addressing water quality issues under SGMA. Where water quality issues need to be addressed by GSAs, identify what is needed in the design of effective water quality indicators;
2. Build partnerships with water managers, the state and others grappling with water quality issues under SGMA; and
3. If possible, identify potential risk management strategies for GSAs to avoid and assess water quality impacts, including monitoring, modeling, and best practices.

Meeting & Reception Details

When: June 11, 2018 (1 day)
Where: Room 299, Y2E2 Building, 473 Via Ortega, Stanford
Hotel: Stanford Guest House

AGENDA

Monday, June 11, 2018

8:15 – 9:00 **Light Breakfast and Registration**

9:00 – 9:30 **Welcome and Introductions**
Thomas Harter, UC Davis
Scott Fendorf, Stanford University

9:30 – 10:45 **Session 1: Why are we here? (75 mins)**
What are groundwater hydrologists, groundwater managers, the state and others most concerned about with respect to meeting groundwater quality requirements under SGMA?
Moderator: Tara Moran, Stanford University
Panel Members:

- Patrick Pulupa, Central Valley Regional Water Board
- Trevor Joseph, Department of Water Resources
- Sam Boland-Brien, State Water Resources Control Board
- Laurel Firestone, Community Water Center
- Eric Averett, Rosedale Rio-Bravo Water Storage District

Discussion (35 mins)

10:45-11:00 **Break (15 mins)**

11:00-12:30 **Session 2: Groundwater recharge, nitrates and other non-point source pollutants (90 mins)**
What are the risks posed by nitrates and other non-point source pollutants and how might SGMA affect managing those risks?
Moderator: Daniel Mountjoy, Sustainable Conservation
Presentations:

- Thomas Harter, University of California, Davis (12 mins)
- Vicki Kretsinger Grabert, Ludhorff & Scalmanini (12 mins)
- Charlotte Gallock, Kings River Conservation District (12 mins)

Discussion (45 mins)

12:30 – 1:30 **Lunch (60 mins)**

1:30 – 3:00	<p>Session 3: Indigenous contaminants, groundwater recharge, and pumping. Are they really linked? (90 mins)</p> <p><i>What role will groundwater recharge and pumping play in exacerbating or mitigating groundwater quality issues? How can these impacts be mitigated?</i></p> <p><u>Moderator</u>: Peter Nico, Lawrence Berkeley National Laboratory</p> <p><u>Presentations</u>:</p> <ul style="list-style-type: none"> • Scott Fendorf, Stanford University (12 mins) • John Izbicki, USGS (12 mins) • Jason Dadakis, Orange County Water District (12 mins) <p style="text-align: center;">Discussion (50 mins)</p>
3:00 – 3:15	Break (15 minutes)
3:00 – 3:15	<p>Session 4: Lessons learned on managing point source contaminants (75 mins)</p> <p><i>What can we learn from existing water management entities about managing point source contaminants? Do these lessons translate to GSPs under SGMA?</i></p> <p><u>Moderator</u>: Tara Moran, Stanford University</p> <p><u>Presentations</u>:</p> <ul style="list-style-type: none"> • John Woodling, Regional Water Authority (12 mins) • Ken Manning, San Gabriel Water Quality Authority (12 mins) <p style="text-align: center;">Discussion (45 min)</p>
4:30 – 4:55	<p>Dialogue Summary (25 mins)</p> <p><i>What is the role of GSAs in addressing water quality issues under SGMA? What are the barriers and incentives for conducting groundwater quality monitoring and research beyond regulatory requirements?</i></p> <p>Leon Szeptycki, Stanford University Arden Wells, Stanford University Randall Holmes, Stanford University</p>
4:55 – 5:00	Wrap-up, next steps
5:00	Reception