

**Toward Sustainable Groundwater in Agriculture**

**International Conference Linking Science and Policy**

San Francisco/Burlingame, California | June 17 – 20, 2024

<https://ag-groundwater.org>

Registration – use QR code:

**What are the key conference themes?** The conference focuses on solutions that achieve better distribution of a limited resource in an efficient and equitable manner throughout affected regions with shortage, overdraft, and/or compromised groundwater quality. Out of shared understanding, the conference identifies common threats and pitfalls and the most promising solutions. Key drivers include the value of groundwater in agriculture, agriculture's impact on groundwater quality and quantity, and groundwater's role in food security and in climate resiliency of agricultural/rural communities and agricultural production, thus highlighting the groundwater-agriculture nexus across sectors. Session topics:

**Conference Location:** Hyatt Regency San Francisco Airport, Burlingame, California

This unique international conference convenes for the third time, after successful events in 2010 and 2016. It is organized by an international team of scientists, policy advisors, and professionals working at the nexus of groundwater and agriculture, in cooperation with AGU, ASABE, NGWA, IAH, USDA, USGS, and other organizations, under the leadership of University of California Davis, University of Waterloo, and the Water Education Foundation.

**Why you would be interested in this conference:**

Agricultural production accounts for three-quarters of all global groundwater abstraction. Nearly half of the global urban population and most rural populations rely on groundwater for domestic supply, often affected by agricultural pumping and pollution. Many of the world's largest aquifers are overexploited or polluted, reducing agriculture's resiliency to climate change, threatening global food security and access to safe drinking water. Groundwater actions are commonly limited to "local" issues, lacking national-level attention, policies, and regulations. A national and global dialogue across the inter- and transdisciplinary groundwater-food-environment nexus is largely lacking. This conference offers a North-American and international forum for water managers, farmers/farmer representatives, technology providers, food and food service industry, groundwater scientists, hydrologist, engineers, NGOs, economists, and policy- and decision-/policy-makers to discover and discuss solutions to managing, sharing, assessing, and protecting groundwater resources within agricultural landscapes.

- **Toward Sustainable Groundwater Supplies in Agricultural Landscapes**
  - Best Management Practices to Sustain Groundwater Supply (agricultural practices)
  - Climate Change Adaptation (within the groundwater-agriculture nexus)
  - Groundwater Governance
  - Groundwater Management
  - Managed Aquifer Recharge in Agricultural Landscapes
- **Toward Sustainable Groundwater Quality in Agricultural Landscapes**
  - Best Management Practices to Protect Groundwater Quality (agricultural practices)
  - Nitrate Monitoring, Modeling, and Policy
  - Policy, Regulations, and Management of Agricultural Groundwater Pollution Sources
- **Cross-Cutting Themes at the Groundwater-Agriculture Nexus**
  - Economic and Policy Challenges to & Opportunities for Sustainable Groundwater in Agricultural Regions conference
  - Environmental Justice and Groundwater in Rural/Agricultural Regions
  - Global Food Security - Groundwater Nexus
  - Groundwater-Dependent Ecosystems (GDEs)
  - National and Global Examples
  - Sustainable Groundwater Management Act (SGMA) 10 Year Anniversary