

CALL FOR ABSTRACTS



Seventh National Monitoring Conference: Monitoring From the Summit to the Sea

April 25-29, 2010 – Denver, Colorado

The **National Water Quality Monitoring Council (NWQMC)** is proud to host its *Seventh National Monitoring Conference—Monitoring From the Summit to the Sea*—to be held in Denver, Colorado from April 25-29, 2010. The conference will focus on the many facets of water quality and quantity monitoring for improved understanding, protection, and restoration of our natural resources and communities. It will also provide a unique forum for water practitioners from all backgrounds—including governmental organizations, volunteers, academia, watershed and environmental groups, and the private sector—to exchange information, develop skills, and foster collaboration and coordination. USGS, EPA, NOAA, and state scientists and others will showcase new findings on the quality of the Nation's estuaries, lakes, streams and groundwater, and highlight recent innovations and cutting-edge tools in water-quality monitoring, assessment, and reporting. The conference location in Denver, Colorado will provide an ideal venue to showcase western water monitoring issues, including sustainable water management, effects of wildfires, and efforts to evaluate the effects of climate change on water quality, quantity, and aquatic ecosystems.

Conference Themes:

- ◆ *Applying Innovative Monitoring, Assessment, and Modeling Tools and Approaches*
- ◆ *Integrating Monitoring to Cost Effectively Support Water Resource Management*
- ◆ *Exploring New Technologies and Analytical Methods*
- ◆ *Addressing Climate, Energy, Water Availability, and other Emerging Water Issues*
- ◆ *Communicating Science to Decision Makers and the Public*
- ◆ *Strengthening Collaboration and Partnerships at all Scales*

Selected testimonies on “What people liked” from previous conferences:

“Discussion of relevant issues and new technology to improve data access and comparability.”

“Knowledge and expertise of the presenters and attendees.”

“Lots of good break time and long lunches to look at posters and exhibits.”

“The variety of talks and topics ensured all interests would be covered.”

“Finding out how other states are solving similar problems.”

“Plenty of time for interaction and discussion.”

“Building solidarity, collaboration and bridges.”



The NWQMC invites you to join us in Denver, CO, a cosmopolitan city nestled at the base of the Rockies, and known for its outdoor beauty and urban sophistication. With snow-capped peaks providing a spectacular backdrop, Denver is as refined as it is laid-back. The newly revitalized and walk-able downtown offers plenty of world-class cultural arts, entertainment, nightlife, nationally recognized restaurants and abundant outdoor recreation found in the largest city park system in the country.

Candidate Topics for Abstracts—The NWQMC is requesting abstracts for oral and poster presentations that are applicable to the monitoring of all waters from the summit to the sea, including rivers, streams, lakes, groundwater, wetlands, estuaries and the ocean. The conference is not limited geographically and prides itself in attracting attendees and presenters from across the globe. Provided below are candidate topics that address the conference themes and components of the NWQMC’s monitoring framework. This list is intended to spark thinking about issues to be addressed, and not to be comprehensive or limiting:

- Understanding and communicating federal, state, tribal, & local monitoring needs
- Addressing multi-jurisdictional & international monitoring issues
- Monitoring and assessment at multiple scales
- Large-scale programs: Results, lessons learned, & future directions
- Integrating water quality data from diverse sources
- Managing, interpreting, sharing, and disseminating monitoring data
- Assessing methods & data comparability
- Innovative monitoring technologies, analytical methods, data management, and assessment tools
- Real-time monitoring: Direct measures and surrogates
- Biological monitoring approaches and assessments
- Developing the “Biological Gradient” across jurisdictions and different water types
- Extrapolating water-quality conditions spatially and temporally
- Integrating monitoring & prediction and informing network designs with water-quality models
- Using different network designs (such as statistical surveys and targeted designs) for cost-effective assessment, management, and decision making
- Updates on the National Monitoring Network for Coastal Waters
- Selecting reference sites across ecoregions
- Developing indicators of water availability, sustainability, & condition of water resources
- Assessing effects of climate change on water availability in the west (and elsewhere)
- Monitoring impacts of energy development on water resources
- Emerging contaminants: Assessing priorities & new analytical methods
- Monitoring invasive species
- Integrating wetland assessments into stream monitoring
- Monitoring lakes and reservoirs
- Assessing effects of agricultural, urban development and mining on water resources
- Assessing effects of hydrologic alteration on water resources
- Assessing ecosystem services
- Informing watershed-scale restoration planning
- Integrating groundwater and surface water
- Making data meaningful: Success stories showing how science is helping to effectively manage water resources
- Monitoring and reporting on program effectiveness
- Communicating what we do and what we find
- Innovative outreach and communication approaches
- Leveraging resources through partnerships
- Strengthening volunteer monitoring programs and expanding the use of volunteer data
- Enhancing monitoring and partnerships through state and regional monitoring councils

Instructions for Submitting Abstracts

Abstracts should be submitted via the Internet by logging onto acwi.gov/monitoring/ and clicking on “2010 National Monitoring Conference.” Follow the instructions provided on the abstract-submittal page.

All abstracts must be received no later than September 19, 2009.

Authors of abstracts accepted for oral and poster presentations will be notified by January 8th, 2010 and will receive further guidelines for preparation of presentations, papers, and posters. All presenters must register for the conference.

Registration Information

Registration includes breakfasts and lunches and one evening reception. Attendee scholarships may be available.

- Attendee: \$400 (early registration); \$450 after February 15th, 2010
- Oral or Poster Presenter: \$350 (early registration); \$400 after February 15th, 2010

For exhibitor and sponsorship information please contact surbas@nalms.org. For questions related to programming or to be placed on a NWQMC conference mailing list, please contact the 2010 National Monitoring Conference Coordinator at gglysson@usgs.gov. For more information on the NWQMC, this, and previous conferences please visit: <http://acwi.gov/monitoring/>.

