



## QUESTIONING GREATER YELLOWSTONE'S FUTURE Climate, Land Use, and Invasive Species

The 10th Biennial Scientific Conference on the  
Greater Yellowstone Ecosystem

# Call for Papers

October 11–13, 2010 | Mammoth Hot Springs Hotel | Yellowstone National Park, Wyoming

The goal of this conference is to generate discussion on changes in three external drivers—climate, land use, and invasive species—that could dramatically alter Greater Yellowstone's public and private lands. This conference offers participants an opportunity to help shape this region's future regarding key issues such as: How is the Greater Yellowstone climate likely to change in the near future and how do climate projections compare with historical patterns? What ecological changes are underway as a result of changing climate and land use, and what will be the consequences for human and natural systems? In what ways do increasing demands on public and private lands threaten a sustainable future? Which nonnative species pose the greatest threat for the region and what are some of the anticipated environmental, social, economic, and human-health consequences of invasive species? What new administrative, technological, and scientific tools and strategies are required to address the challenges of changing climate and land use and the threats from invasive species?

The program committee invites abstracts for papers and posters related to the key questions described above. We seek submissions focused on the Greater Yellowstone Ecosystem (GYE) as well as the western U.S., concerning:

- Climate and land-use change and their impacts on water and land resources
- Threats to ecosystem dynamics, biodiversity, and delivery of ecosystem goods and services
- Implications of invasive species and disease for native aquatic and terrestrial communities
- Past and present human-ecosystem interactions in the GYE including tribal perspectives and traditional knowledge
- Land and resource management planning, scenario planning, vulnerability assessments, and adaptation strategies in an uncertain future
- Implications of hydrologic changes in a changing climate
- Cultural resource management and conservation/preservation issues arising from changing climate and land uses
- Institutional and management challenges associated with addressing external resource "drivers" and their consequences
- Collecting, archiving, and documenting critical natural and cultural resources that may be forever altered as a result of climate change

### Abstract submission and registration information

Please visit [www.greateryellowstonescience.org/gyesciconf2010](http://www.greateryellowstonescience.org/gyesciconf2010) for more information about registration and how to propose a paper or poster on one of the topics listed above. **Abstracts must be received by March 15, 2010.** Authors of selected abstracts will be notified by May 1, 2010.

**SPONSORS** U.S. Geological Survey, Biological Resources Discipline, Northern Rocky Mountain Science Center | U.S. Fish and Wildlife Service, Mountain Prairie Region | Montana State University | Yellowstone Association | University of Wyoming Ruckelshaus Institute | Rocky Mountains Cooperative Ecosystem Studies Unit | University of Wyoming-National Park Service Research Center | Greater Yellowstone Coordinating Committee: National Park Service (Grand Teton National Park, John D. Rockefeller, Jr. Memorial Parkway, Yellowstone National Park), U.S. Fish and Wildlife Service (National Elk Refuge, Red Rock Lakes National Wildlife Refuge), U.S. Forest Service (Beaverhead-Deerlodge National Forest, Bridger-Teton National Forest, Caribou-Targhee National Forest, Custer National Forest, Gallatin National Forest, Shoshone National Forest)