

ENVIRONMENTAL RESTORATION IN A CHANGING CLIMATE

SAVE THE DATE

May 22-24, 2012

Tahoe Science Conference



Hosted by Tahoe Science Consortium and Sierra Nevada College on the campus of
Sierra Nevada College in Incline Village, Nevada



www.tahoescience.org



www.sierranevada.edu

Event support provided by Nevada Water Resources Association
For more information visit www.nvwra.org or contact Tina Triplett at
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Hosted by Tahoe Science Consortium and Sierra Nevada College
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The Tahoe Science Consortium and Sierra Nevada College will host the 2012 Tahoe Science Conference May 22-24, 2012 on the scenic campus of Sierra Nevada College in Incline Village, Nevada. The theme of the 2012 Tahoe Science Conference will be "Environmental Restoration in a Changing Climate." Lake Tahoe and many other high alpine lakes around the world are being increasingly stressed by climatic changes and urban development. Compounding these factors are economic stresses on government agencies, local communities, the environmental community and the public. The 2012 Tahoe Science Conference will encourage creative dialogue among scientists, artists, environmental managers, public officials, and the general public about how to protect high alpine ecosystems under changing environmental and social climates.

Anyone interested in learning about and shaping the future of Lake Tahoe and other mountain ecosystems around the world is encouraged to participate.

Conference proceedings will be organized into three Tracks: Science, Management, & Visualization

Track 1 (Science): Mountain Ecosystem Science: From Alpine to Zebra

Innovative scientific approaches and key findings will be presented on mountain ecosystem science topics including alpine lake limnology, watershed ecosystem functions, hydrologic cycles from mountains to lowlands, air quality & airshed modeling, climate change indicators and response, aquatic and terrestrial invasive species, changes in biodiversity, wildfire hazard reduction & land management, and extreme event risks & response.

Track 2 (Management): Environmental Management: Finding Solutions in Economic Stressed Times

Pioneering methods for modeling environmental risks, modeling human adaptation and institutional change will complement discussions of best practices in environmental management, regulation, and economic development. Scientists, managers, regulators, developers, and the public are encouraged to exchange ideas for implementing adaptive management approaches that are scientifically-based and cost effective for protecting the environment, while promoting sustainable growth.

Track 3 (Visualization): Seeing is Understanding: Learning through Lens and Aperture

Visualization tools from photography to overhead satellite images are invaluable for understanding change in environmentally complex areas. Historic photographs are often the best record of changes in vegetation, topography, development, and storm damage. Overhead imaging techniques allow researchers to discover earthquake fault lines, track the impacts of climate change, and understand the impacts of human activity on wildland areas. Presentations are encouraged from the visual arts, overhead imaging, and 3-D education display communities.



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