

January 26, 2010

## National Science Foundation Solicitation for Proposals on "Water Sustainability and Climate"

Proposal Deadline April 15, 2010

There is much uncertainty regarding water availability, quality and dynamics, and the impact of multiple factors on various water systems. The goal of the Water Sustainability and Climate solicitation is to understand and predict the interactions between the water system and climate change, land use, the built environment, and ecosystem function and services.

Specific proposal topics of interest include: 1) Determining changes in water budgets in response to both climate variability and change, and human activity, and the effect of these changes on water quality, ecosystems, landscape evolution, and human settlements and behavior, 2) Developing frameworks and models that incorporate the linkages and feedbacks among various processes that can be used to predict the possible impact of climate variability and change, land use and human activity on water systems, and 3) Determining how our built water systems and our governance systems can be made more reliable, resilient, and sustainable to meet diverse and often conflicting needs.

Successful proposals will study water systems in their entirety and enable a new interdisciplinary paradigm in water research, as well as broadly integrate topics across the biological sciences, engineering, geosciences, and social sciences.

For more information visit: [www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503452&org=N](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503452&org=N)