



SIERRA NEVADA CLIMATE CHANGE ASSESSMENT PROJECT

SNCCAP; say "snowcap"; think "mini-SNEP"

*AN ASSESSMENT OF POTENTIAL CONSEQUENCES OF
CLIMATE VARIABILITY AND OPPORTUNITIES
FOR ADAPTATION*

In Development:

Sierra Nevada Research Center
Pacific Southwest Research Station
USDA Forest Service



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Assessments Available

Global: *Climate Change 2001. Third Assessment Reports, Intergovernmental Panel on Climate Change*



National: *Climate Change Impacts on the United States; The Potential Consequences of Climate Variability and Change, 2001. National Assessment Synthesis Team, US Global Change Research Program*

State: *Global Climate Change and California: Potential Implications for Ecosystems, Health, and the Economy, Draft 2003. California Energy Commission and EPRI*

→ Inadequate for developing adaptation and conservation strategies at scale of Sierra Nevada ecoregion or subregions

CCSP: High priority in federal workplan put on developing regional and sectoral assessments that enable local planning and on R-O-A-DS

SNCCAP: A Project in Development

The Sierra Nevada Research Center (USFS/PSW) is spearheading support for a multi-year project, planned as



an interdisciplinary, collaborative, scientific assessment of climate change and its consequences on Sierra Nevada ecosystems and rural communities



Goals

- ♣ estimate 21st century climate at several spatial and temporal scales; use diverse quantitative and qualitative models; include historical perspectives
- ♣ assess consequences on physical and ecological systems and on rural communities and economies



- ♣ develop illustrative strategies, recommendations, and guidelines for integrating assessment results with ongoing conservation and management



- ♣ compile databases, models, case-studies, and decision-support tools to assist diverse stakeholders

Budget Outlook

USFS Request - PSW priority for "increase" categories

FY 2005

Phase 1

Climate Change Assessment

\$500k

Phase 2

Impacts Assessment

\$500k

FY 2006?

Phase 3

Adaptation Strategies

\$500k

