



Nevada Infrastructure for Climate Change Science,
Education and Outreach

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Project Director and Lead PI

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Co-Principal Investigators

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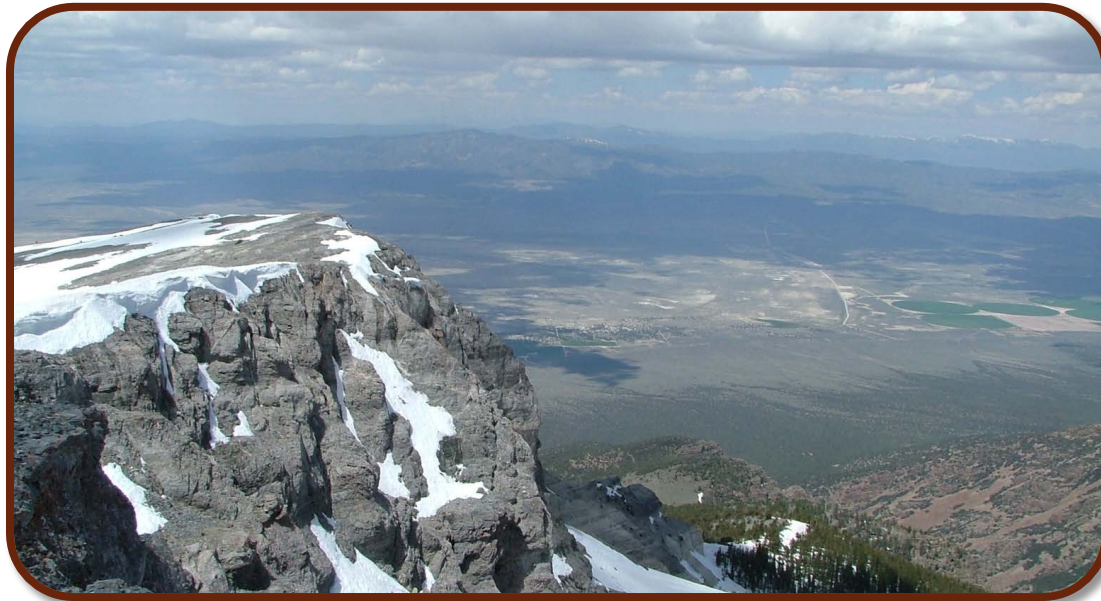
Scott Mensing (UNR)

Nick Lancaster (DRI)

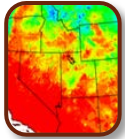
Lynn Fenstermaker (DRI - Interim)

Overarching Goal

Strengthen Nevada research, education, and outreach in climate change science through sustainable improvements in R&D capacity



Project Components



Climate Modeling



Ecological Change



Water Resources



Policy, Decision Making, and Outreach



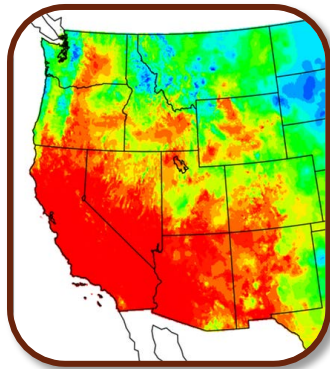
Cyberinfrastructure



Education

Major Outcome

New interdisciplinary capability to detect, analyze, and model effects of regional climate change on landscapes, ecosystems, and water resources and communicate research results to decision makers and the public.



Key Outputs

- ❖ Regional climate modeling capability
- ❖ Observational network - NevCAN
- ❖ Climate change data portal
- ❖ Enhanced computational capabilities
- ❖ Climate change products for scientists and decision makers
- ❖ Enhanced educational opportunities
- ❖ New faculty hires



Tri-State Consortium Activities

- ❖ 4th Annual Tri-State Meeting – Idaho (April 3-5, 2012)
- ❖ Tri-state Interdisciplinary modeling course (NM)
- ❖ Tri-state Innovation Working Groups
 - Role of Downscaling Methods on Climate Impact Modeling in Complex Terrain
 - Carbon and Nutrient Dynamics in Semi-arid Ecosystems: Responses to Climate Change from Mechanisms to Landscape Processes
 - Vegetation as Indicators of Spatial Patterns of Mountain Groundwater Recharge/discharge



Western Consortium of Idaho, Nevada, and New Mexico





Thank you