



## AGENDA

### New Mexico Climate Change Ecology and Adaptation Workshop October 22, 2007

Organizers: University of Arizona-CLIMAS and Institute for the Study of Planet Earth  
with The Nature Conservancy in New Mexico

Location: Indian Pueblo Cultural Center  
2401 12th Street NW (1 block north of I-40)  
Albuquerque, New Mexico

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- 8:30 Welcome/Housekeeping – Patrick McCarthy, The Nature Conservancy  
Introductory Remarks – Terry Sullivan, The Nature Conservancy  
Purpose of Workshop – Gregg Garfin, University of Arizona, CLIMAS/ISPE
- 8:45 Climate Change in New Mexico: background for managers
- Overview of climate change in the southwestern US: mechanisms, evidence and projections. Jonathan Overpeck, University of Arizona.
  - Observed and anticipated ecological effects: cross-scale and threshold-dependent interactions. Craig Allen, US Geological Survey.
  - Effects of climate change on New Mexico's rivers, streams, and aquatic flora and fauna. Manuel Molles, University of New Mexico.
  - Question-and-answer session.
- 10:30 BREAK
- 10:45 Applying Climate Change Science to Natural Resources Management: a national perspective. Allen Solomon, National Program Leader for Global Change Research, US Forest Service.
- 11:15 Building Ecological and Economic Resilience: theory and practice of climate change adaptation. Brian Hurd, New Mexico State University.
- 11:45 LUNCH (provided)
- 1:00 Summary of Morning's Discussions. Anne Watkins, Office of the State Engineer.

1:15 Round Table Discussion: natural resource management response; how to build adaptive capacity (interview format, moderated by Gregg Garfin).

*Participants:* Daniel Jiron (Supervisor, Santa Fe National Forest), Bruce Thompson, (Director, NM Dept. of Game and Fish), and Joanna Prukop (Secretary, Department of Energy, Minerals, and Natural Resources).

*Framing questions:*

- ✓ What is your agency doing now about climate change?
- ✓ What more can it do? How does it need to act differently in a rapidly changing world?
- ✓ How can natural resource management agencies protect plants, animals, ecosystems, and ecosystem services (water supply, flood control, pollination, etc.) from degradation or loss? How should fire and water flows – New Mexico’s signature ecological processes – be managed differently in a warmer, drier climate?
- ✓ What are the barriers to institutional adoption of climate change adaptation strategies? What are the opportunities?

1:45 Discussion/WorldCafé: New Mexico natural resource management response to current and future climate change (moderated by Gregg Garfin).

*Framing questions:*

- ✓ Which existing federal and state policies might be employed to facilitate response to climate change? (For example, USFS forest plan revisions, BLM resource management plans, and regional water supply plans.) Does climate change present us with opportunities for development of new or better conservation initiatives?
- ✓ How can natural resource managers best coordinate their responses to climate change?
- ✓ How can we build capacity – funding, staff and programs – to address the climate change threat?

2:45 BREAK

3:00 Continue Discussion/WorldCafé

*Outcomes:*

- ✓ Vision for how we are to meet the climate change adaptation challenge.
- ✓ Recommendations for action.
- ✓ Immediate next steps.
- ✓ Identification of key people for follow-up.

3:40 Recap: action items, responsibilities, and time line

4:00 ADJOURN