What could possibly go wrong?

Translational Ecology Short Course
April 4, 2018 – Tucson, Arizona

Gregg Garfin
Southwest Climate Science Center
Diminished Surface Water Supply
USGS, New Mexico

Widespread Forest Mortality, Craig Allen, USGS

Stand-Replacing Fires
Craig Allen, USGS

Post-Fire Hillslope Erosion
USGS, New Mexico
Colorado River Flow, 762-2005

Dave Meko, UA Laboratory of Tree-Ring Research
Methodology
DISCUSSION SUPPORT

GCMs

Data

Climate Models

Hydrologic Models

Paleoclimate
Change in Streamflow Volume

% Change

2009-2038  2039-2068  2069-2098

Rajagopal et al. 2010
Salt River Warm Season Q

- [%]
- [2000, 2020, 2040, 2060, 2080]

- Dyn
- Stat

Dominguez, Rajagopal, Castro, Troch, Demaria, Gupta, Durcik, Chang
University of Arizona
Trust
Mutual Learning
Cross-Fertilization
Enhanced Discourse
Interests

Scientific Accountability

Political Accountability

Practitioners

Scientists

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