# What could possibly go wrong?



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

**Gregg Garfin** 

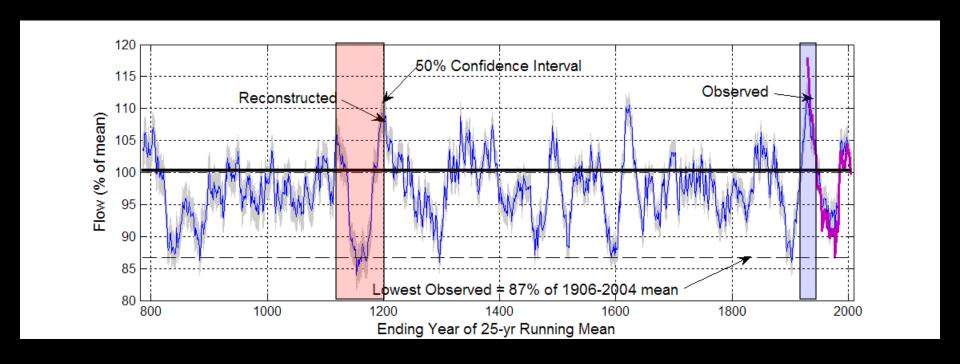


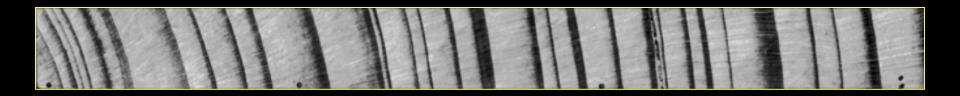




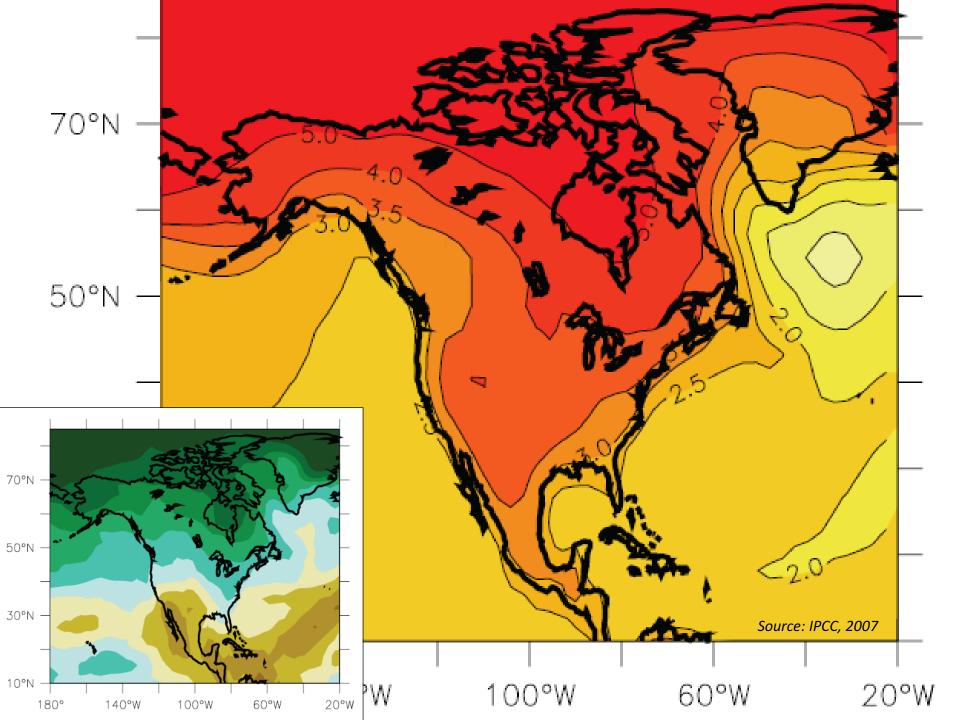


#### Colorado River Flow, 762-2005





Dave Meko, UA Laboratory of Tree-Ring Research









# Kathy Jacobs



### **Advisory Committee**





















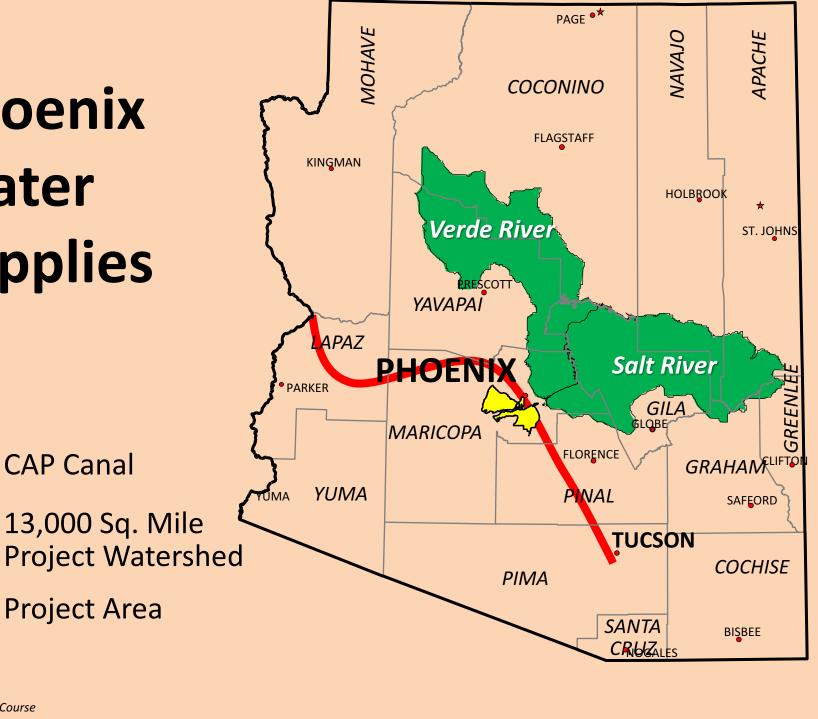


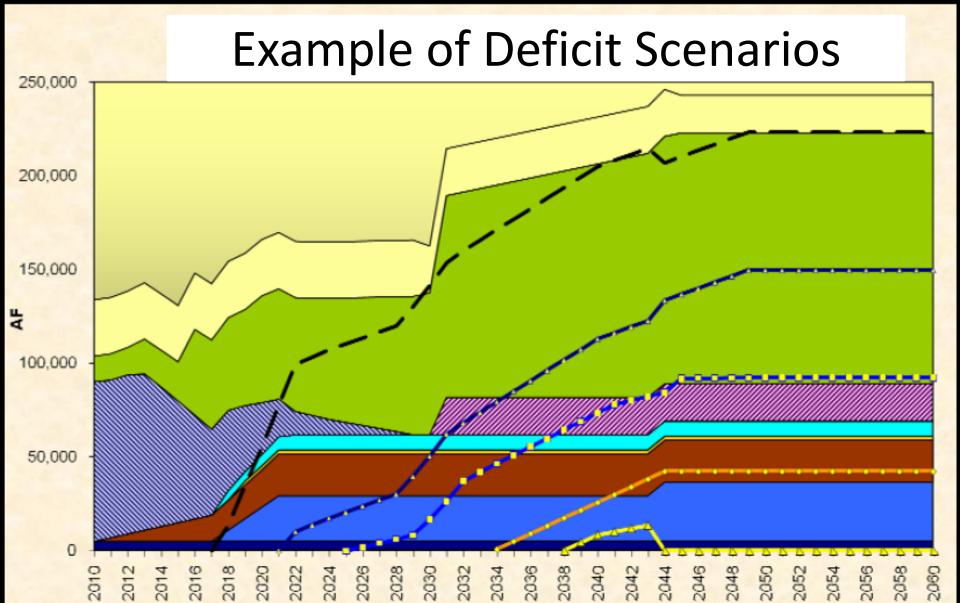


## Phoenix Water **Supplies**

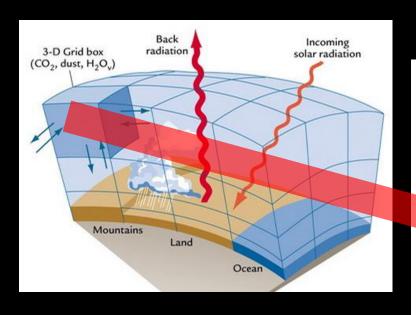
**CAP Canal** 

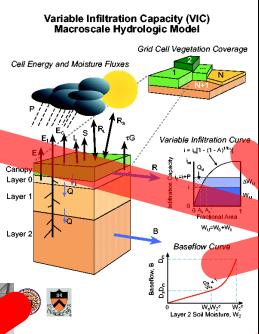
**Project Area** 

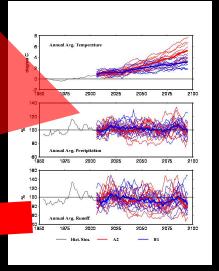




#### Methodology







## DISCUSSION SUPPORT

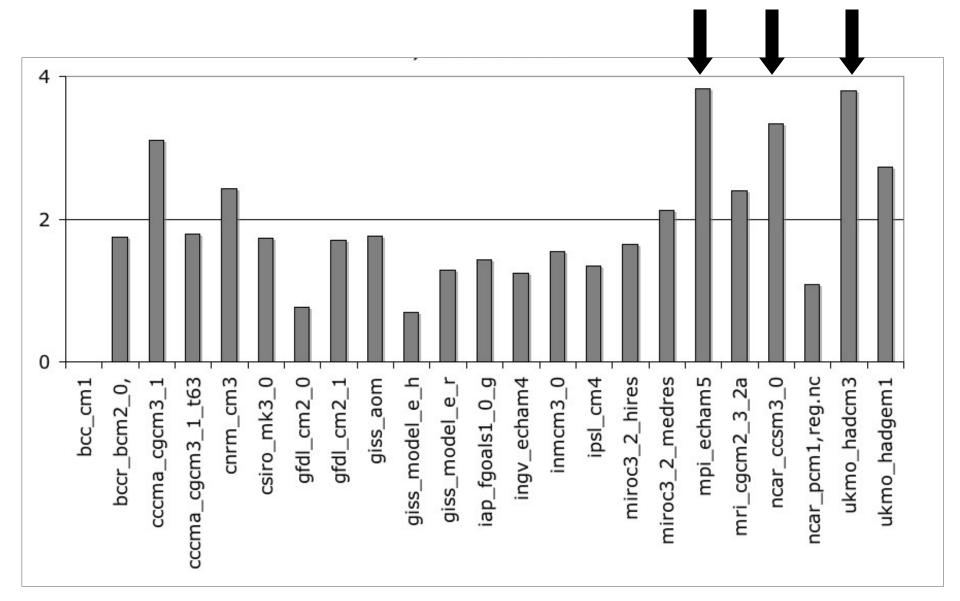
**GCMs** 

Climate Models

**Paleoclimate** 

Data

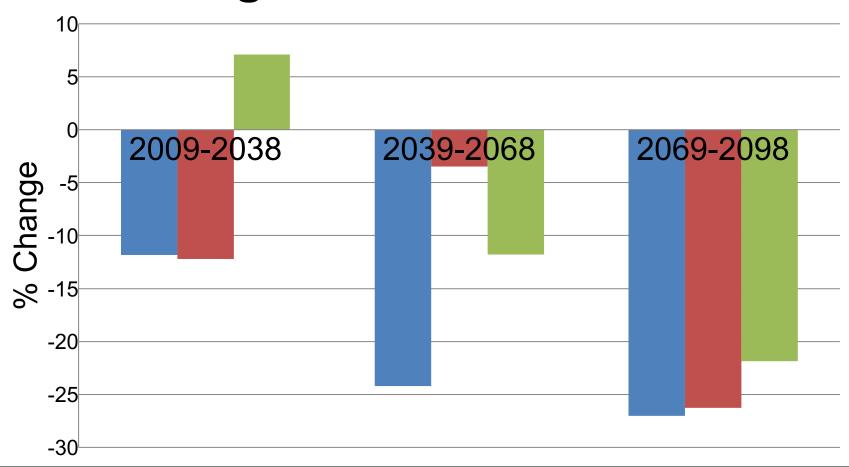
Hydrologic Models

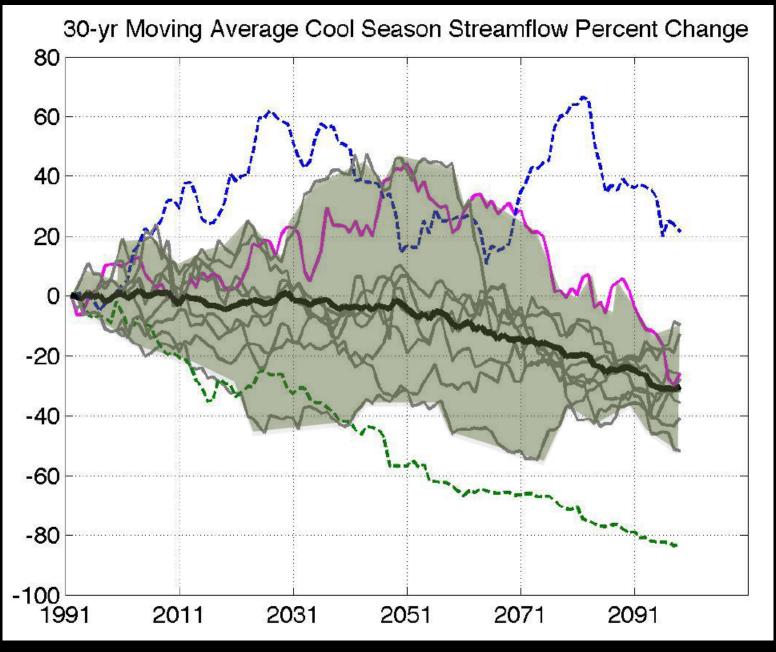


Dominguez, F., J. Cañon, and J. Valdes, 2010: IPCC-AR4 climate simulations for the Southwestern US: the importance of future ENSO projections. Climatic Change, 99, 499-514.

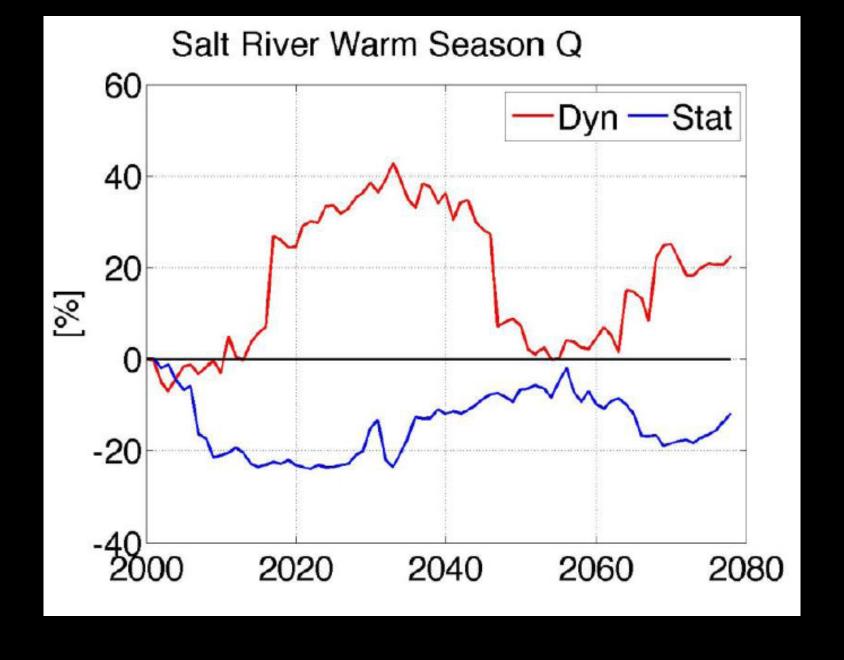
4 April 2018 - TE Short Course

#### **Change in Streamflow Volume**





Dominguez, Rajagopal, Castro, Troch, Demaria, Gupta, Durcik, Chang University of Arizona



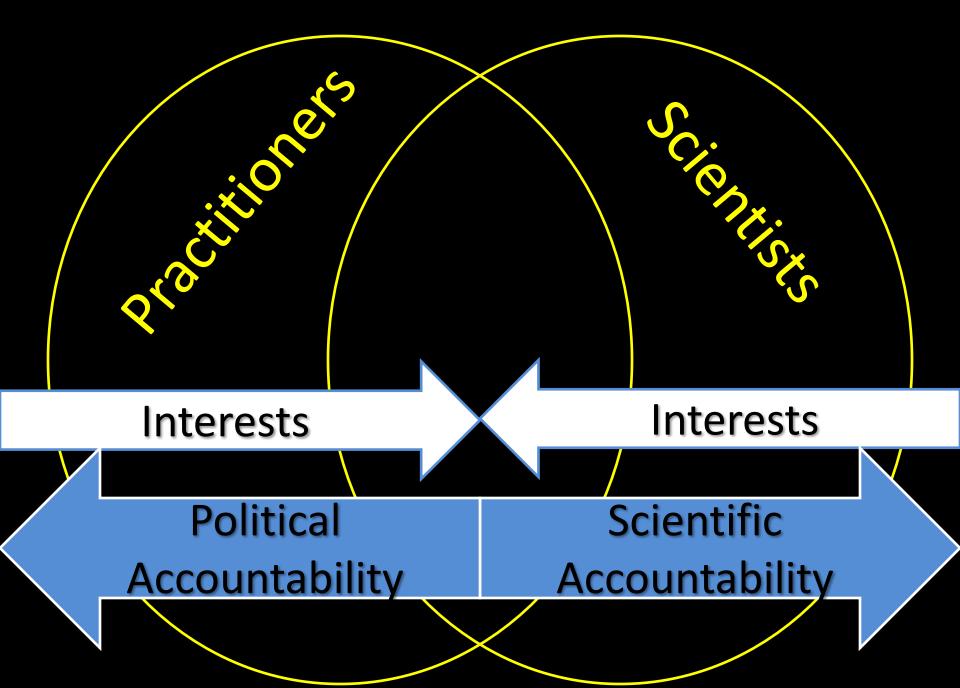
Dominguez, Rajagopal, Castro, Troch, Demaria, Gupta, Durcik, Chang University of Arizona







# Mutual Learning Cross-Fertilization Enhanced Discourse



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