



# SOUTH CENTRAL CLIMATE SCIENCE CENTER

## Two Basin Research Program

Red River Valley Association Conference  
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# Department of the Interior Climate Science Center (CSC) Regions

The CSCs collaborate across boundaries to address shared ecosystems, watersheds, and landscapes

- ★ University of Alaska - Fairbanks
- University of Alaska - Anchorage

## ALASKA



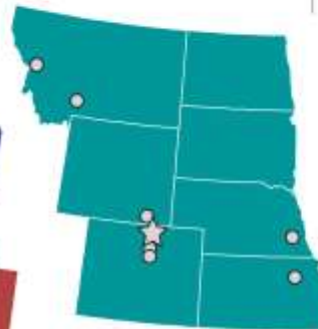
- ★ Oregon State University
- University of Washington
- University of Idaho

## NORTHWEST



- ★ Colorado State University
- University of Colorado
- Colorado School of Mines
- Iowa State University
- Kansas State University
- Montana State University
- University of Nebraska - Lincoln
- University of Wyoming

## NORTH CENTRAL



- ★ University of Massachusetts Amherst
- University of Minnesota
- College of Menominee Nation
- University of Wisconsin - Madison
- University of Missouri Columbia
- Columbia University
- Marine Biological Laboratory

## NORTHEAST



USGS National Climate Change & Wildlife Science Center

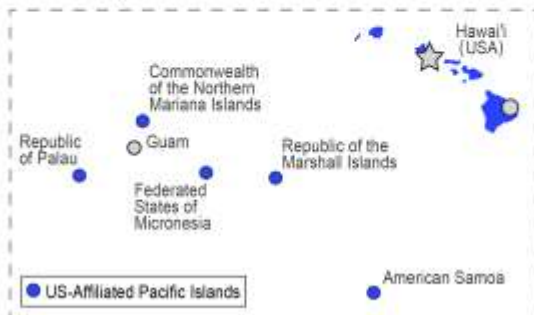
## SOUTHWEST

- ★ University of Arizona
- Desert Research Institute (Nevada)
- University of California - Davis
- University of California - Los Angeles
- Scripps Institute of Oceanography
- University of Colorado



## PACIFIC ISLANDS

- ★ University of Hawai'i at Mānoa
- University of Hawai'i at Hilo
- University of Guam



## SOUTH CENTRAL

- ★ University of Oklahoma
- Texas Tech University
- Oklahoma State University
- Chickasaw Nation
- Choctaw Nation of Oklahoma
- Louisiana State University
- NOAA Geophysical Fluid Dynamics Laboratory



## SOUTHEAST

- ★ North Carolina State University



**EXPLANATION**

- ★ CSC Host Institution
- CSC Consortium Member

# Our Approach



## Actionable Climate Science for Natural and Cultural Resource Managers

Example: Spot Tailed Earless Lizard

- US FWS
- Texas Comptrollers Office
- University of Texas
- Texas Tech University

# Our Partners: The LCCs



## Landscape Conservation Cooperatives

- |   |                                   |                                     |                                  |
|---|-----------------------------------|-------------------------------------|----------------------------------|
| 1. Appalachian                              | 6. Great Northern                 | 12. Peninsular Florida              | 18. Arctic                       |
| 2. California                               | 7. Great Plains                   | 13. Plains and Prairie Potholes     | 19. Northwestern Interior Forest |
| 3. Desert                                   | 8. Gulf Coast Prairie             | 14. South Atlantic                  | 20. Western Alaska               |
| 4. Eastern Tallgrass Prairie and Big Rivers | 9. Gulf Coastal Plains and Ozarks | 15. Southern Rockies                | 21. Pacific Islands              |
| 5. Great Basin                              | 10. North Atlantic                | 16. Upper Midwest and Great Lakes   | Unclassified                     |
|   | 11. North Pacific                 | 17. Aleutian and Bering Sea Islands |                                  |

# Two Basin Research Program

## Coproduction of Climate Science

# The Rio Grande and the Red River



2013 – Impacts of Climate Change on Flows in the Red River Basin – Chickasaw Nation

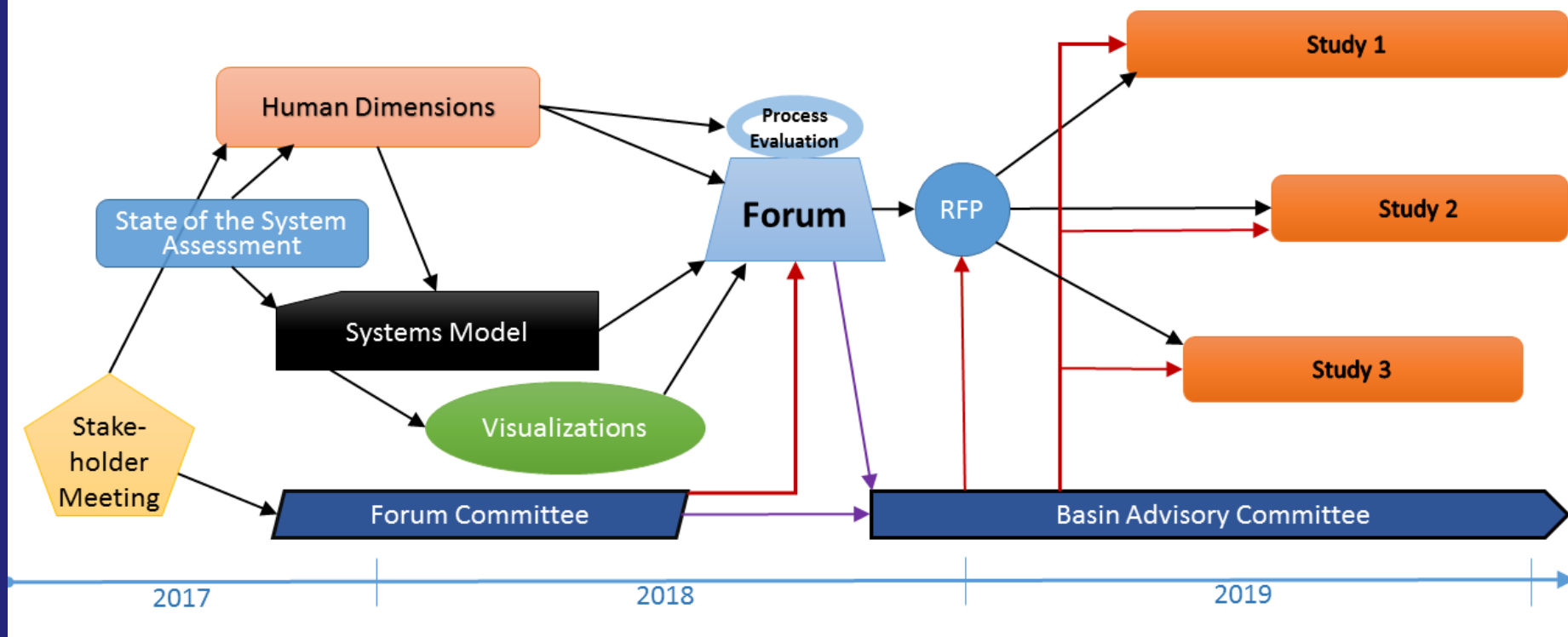
2015 – State of the Science – Utah State Team

– Social Science and Systems Modeling – OU Team

# The Two-Basins Project (Rio Grande & Red River)

- Initial focus is on a meeting, the **Forum**.
  - Items to the left of the Forum will support/inform it.
  - After the Forum, focus will be on the **Basin Advisory Committee**, which will represent stakeholder needs and guide research.
- The process below will be replicated in both the basins.
- Opportunities for Cross-CSC collaborations

**Red River Basin Drought Resistance Project Flow Chart**



# The River Basin Forum

**Day 1:** State of the river, challenges and solutions

**Day 2:** Water Tournament

**Day 3:** Identify research needs





# Time Line

## Rio Grande

2015: Initial Research

2016: Forum Planning

RFP Released

2017: Forum (7-8 Nov.)

Advisory Comm.

2018 - ? : Additional Research

Additional Forums?

## Red River

2017: Stakeholder Mtgs

RFP Released

Initial Research

2018: Forum

Advisory Comm.

?? : Additional Research

Additional Forums?



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