

Texas Water Research Network

August 18-19, 2016

The University of Texas at Austin ■ Pickle Research Campus

[Advanced Computing Building \(ACB\)](#)

Meeting goals:

- Explore organizational and scientific network best practices to address water resiliency challenges
 - Establish and advance relationships between researchers
 - Understand interactions of social and biophysical systems to better identify research that can inform decision-making
-

August 18, 2016

8:00 AM **Breakfast social**

8:30 AM **Welcome, meeting overview, introductions**

Dean Sharon Mosher, Jackson School of Geosciences

Texas Water Research Network: Who we are, where we've been, and where's going

9:15 AM **Research nodes: Building our networks**

Understand what research nodes are, and how to get involved with other researchers

10:15 AM **Break**

10:30 AM **Create an actors network map and a systems diagram**

Towards the goal of research that can inform decision making, we will do two exercises to specify assumptions within and across the TWRN Research Nodes.

1. Create an actors network map

Who are the agents—populations, institutions, agencies, etc.—that contribute to water demand, use, and consumption in Texas? What actions do they take? By what means do they act? Where and when do they act? What motivates them to act? With these established what characteristics are shared among or differentiate separate actors?

2. Create a system diagram that shows causal and contingent relationships within and across social and biophysical systems

To identify gaps of understanding, determine where we can leverage our capabilities, and create new knowledge that can be used to make policy this exercise will be used to have a conversation about how components of water resource systems interconnect —where individuals and node groups agree and where they disagree.

12:30 PM **Lunch**

1:30 PM **Texas Analogs: Research and science-policy integration in water-stressed regions (parts 1 & 2)**

- **Jay Famiglietti**, NASA Jet Propulsion Lab, <https://jayfamiglietti.com/about-2/>
Connecting Research and Decision Making during the California Drought: Many Challenges, Some Successes
 - **Todd Halihan**, Oklahoma State University, <http://geology.okstate.edu/2-uncategorised/119-thalihan-home>
The Future of Water: Will Our Data Beat Our Instincts?
-

3:15 PM **Break**

3:30 PM **Integrating the analogs into our Texas focus: An interactive panel discussion with analog speakers**
Moderator: Jay Banner, UT ESI and Jackson School

5:00 PM **Adjourn** to social gathering

August 19, 2016

8:00 AM **Breakfast social**

8:30 AM **Welcome, recap of day 1, overview of day 2**

Dan Stanzione, Executive Director, Texas Advanced Computing Center

9:00 AM **Texas Analogs: Research and science-policy integration in three water-stressed regions (*part 3*)**

- **Kelli Larson**, Arizona State University, <https://sustainability.asu.edu/person/kelli-larson/>
Collaborative Water Research in Phoenix, AZ: Insights from Science-Policy Interactions
-

10:00 AM **Funding Context and Opportunities for the Texas Water Research Network**

- **Marilu Hastings**, Vice President, Sustainability Programs, The Cynthia and George Mitchell Foundation, www.cgmf.org
-

10:15 AM **Break**

10:30 AM **Where can we best leverage our work?**

Using our analysis of actors and systems as a guide, consider the path forward for each node: Identify gaps in knowledge and key points for research advancement.

11:15 AM **Report back**

11:45 AM **Feedback and date for our next meeting**

12:00 PM **Wrap-up and lunch**

12:30 PM **Tour of Texas Advanced Computing Center**
