



Native Waters on Arid Lands

Tuba City Climate Resilience Workshops

Moenkopi Legacy Inn & Suites

March 12, 2019

From Climate Predictions to Climate Resilience

Workshop Purpose: To make climate data available and accessible to our tribal partners to inform discussions about the impacts to traditional and production livestock and crop agriculture from warming temperatures and extreme precipitation events and options to enhance the climate resiliency of tribal agriculture.

Agenda (Arizona Time)

- 8:00-8:15 Welcome **Grey Farrell, Jr.** (*FRTEP Agent*)
- 8:15-8:30 NWAL Project and Workshop Purpose
Maureen McCarthy, NWAL Project Director
- 8:30-8:45 Introductions – What do you want to learn from and contribute to the workshop?
All Participants
- 8:45-9:30 Interpreting climate predictions in the context of recent droughts, extreme wet years, and paleoclimatic patterns in the Southwest.
Kyle Bocinsky, Director, Research Institute, Crow Canyon Archaeological Center
- 9:30-10:00 Roundtable Discussion – Making Climate Data Useful
How can we make climate data more accessible and useable to support climate adaptation planning, water resource management, crop, livestock, traditional practices, etc.
Discussion Leader's - Maureen McCarthy, NWAL Project Director & **Kyle Bocinsky, Director**, Research Institute, Crow Canyon Archaeological Center
- 10:00-11:00 Roundtable Discussion – Impact of Recent Extremes
How bad was the recent drought? Did the winter of 2018 end the drought? Did the winter of 2018 help/hurt agriculture this year? How much do spring/summer monsoonal rains contribute to water for agriculture? What changes were made to livestock practices and crop production during the drought? Are they still in place? What is your crop/livestock outlook for this year?
Discussion Leader – Trent Teegerstrom (UA/FRTEP) & Meghan Collins (DRI)

11:00-12:00 Roundtable Discussion – Future Water for Agriculture Challenges
How concerned are you about future changes in precipitation and warming temperatures? How resilient are traditional practices and production agriculture for meeting the food security and economic needs in your community? What are your community’s biggest challenges for future agriculture - water rights, supplies, infrastructure, precipitation timing, etc.? What are your community’s priority needs for year-round fresh, healthy foods?
Discussion leader – Trent Teegerstrom (UA/FRTEP) & Grey Farrell, Jr. (FRTEP Agent)

12:00 Workshop Close