The Decision Center for a Desert City (DCDC) at Arizona State University and Arizona Project WET – Water Resources Research Center - University of Arizona

Present an Advanced Water Education Workshop:
Using Models to Simplify the Complex Interactions of Water in the Valley
July 10 and 11, 2013
Arizona State University, Decision Center for a Desert City
Brickyard Orchid House, 21 E. 6th Street, Suite 126-B, Tempe 85281

Day One, July 10th:

9:00 - 9:45  Introductions

9:45 - 10:30  An Introduction to Global Climate Modeling (Dr. Mike Crimmins, Associate Specialist Arizona Cooperative Extension, U of A)

10:30 - 11:00  Reflection and Break

11:00 - 11:50  Read: Chain Reaction Article and What is a Model Exercise

11:50 - 12:00  Reflection

12:00 - 12:45  Lunch

12:45 -1:30  Modeling Surface Water - Groundwater Interaction (Dr. Jim Leenhouts, Acting Director, United States Geological Survey, Arizona Water Science Center)

1:30 - 1:45  Reflection

1:45 - 2:45  Create your own model of the Phoenix water distribution system

2:45 - 3:00  Break

3:00 – 3:45  Managing CAP’s water system using models (Dr. Mohammed Mahmoud, PhD Resource Planning Analyst, Central Arizona Project)

3:45 – 4:00  Wrap up
Day Two, July 11th:

9:00 – 9:30  Recap & Icebreaker

9:45 – 10:30  Developing Water Sim (Dr. David Sampson, Decision Center for a Desert City, ASU)

10:30 – 11:00  Reflection and Break

11:00 – 11:45  Water Sim on Web: Future Options (Dr. Ray Quay, Decision Center for a Desert City, ASU)

11:45 – 12:00  Reflection

12:00 – 12:45  Lunch

12:45 – 1:30  Continue with water distribution model, adding energy as one interacting component

1:30 – 1:45  Reflection

1:45 – 2:45  How do people deal with uncertainty in models? (Dr. Dave White, co-Director, Decision Center for a Desert City, ASU)

2:45 – 3:00  Break

3:00 – 3:45  Concept Summary, Compilation & Moving Content into the Classroom

3:45 – 4:00  Final Evaluation