

**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. 6<sup>th</sup> Street, Suite 126-B, Tempe 85281

**Day One, July 10<sup>th</sup>:**

9:00 - 9:45	Introductions
9:45 - 10:30	<b>An Introduction to Global Climate Modeling</b> (Dr. Mike Crimmins, Associate Specialist Arizona Cooperative Extension, U of A)
10:30 - 11:00	Reflection and Break
11:00 - 11:50	<b><i>Read: Chain Reaction Article and What is a Model Exercise</i></b>
11:50 - 12:00	Reflection
12:00 - 12:45	Lunch
12:45 - 1:30	<b><i>Modeling Surface Water - Groundwater Interaction</i></b> (Dr. Jim Leenhouts, Acting Director, United States Geological Survey, Arizona Water Science Center )
1:30 - 1:45	Reflection
1:45 - 2:45	<b><i>Create your own model of the Phoenix water distribution system</i></b>
2:45 - 3:00	Break
3:00 – 3:45	<b><i>Managing CAP's water system using models</i></b> (Dr. Mohammed Mahmoud, PhD Resource Planning Analyst, Central Arizona Project)
3:45 – 4:00	Wrap up

**Day Two, July 11<sup>th</sup>:**

9:00 – 9:30	Recap & Icebreaker
9:45 – 10:30	<b><i>Developing Water Sim</i></b> (Dr. David Sampson, Decision Center for a Desert City, ASU)
10:30 – 11:00	Reflection and Break
11:00 – 11:45	<b><i>Water Sim on Web: Future Options</i></b> (Dr. Ray Quay, Decision Center for a Desert City, ASU)
11:45 – 12:00	Reflection
12:00 – 12:45	Lunch
12:45 – 1:30	<b><i>Continue with water distribution model, adding energy as one interacting component</i></b>
1:30 – 1:45	Reflection
1:45 – 2:45	<b><i>How do people deal with uncertainty in models?</i></b> (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