

**Advanced Water Education Workshop  
July 15-16, 2014**

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**Speakers (in order of their presentations):**

**Dara Wald:**

Dara Wald is a Postdoctoral Fellow in the ASU Center for Policy Informatics, affiliated with the Decision Center for a Desert City at Arizona State University. Her research focuses on the causes (e.g., conflict and collaboration) and consequences (e.g., policy) of environmental behavior. She is involved in multiple research projects, including the use of an interactive computer simulation model to explore the interaction of power, empathy and collaborative behavior on individual support for water management; the development of a citizen science project to forecast the future of water use in Phoenix; and an evaluation of collaborative governance strategies related to the management of transboundary resources across large landscapes.

Her dissertation examined stakeholder conflict over the management of wildlife and the influence of risk/benefit perceptions, attitudes, and values on management support. She completed her PhD in December 2012 in the [Department of Wildlife Ecology and Conservation](#) at the University of Florida. Dara has considerable experience with Citizen Science initiatives designed to encourage conservation behavior. At the New England Aquarium she developed and conducted a series of educational workshops and classes for citizen scientists (i.e., teachers, volunteers, and GK-12) students to identify, report, and monitor aquatic invasive species. Dara was responsible for recruiting the 265 participants, designing data collection protocols and materials, including training manuals and tools for field collection.

**Adam Q Miller**

Planner III –

Water Resources, Water Services Department, City of Phoenix,

Mr. Miller has been involved in water demand management and water use trend analysis for over 13 years. Adam currently serves within the Water Resources and Development Planning branch of the Phoenix Water Services Department. In this role Adam is responsible for administering research initiatives and evaluating trends in water demand and wastewater generation. Advancing data collection and analytics to improve demand forecasting is a key component in Adam's role with the Water Services Department. Adam holds a bachelor's in economics from the University of Washington

**Jamie Campbell,**

Planner II – Research Analyst

Water Resources, Water Services Department, City of Phoenix,

Mrs. Campbell has been with the City of Phoenix Water Services Department four (4) years. As a planner within the Water Resources and Development Planning Section, Jamie's focus includes landscape water use, multi-family water use and GIS analysis. Prior to joining the Water Resources team, Jamie served as a Water Quality Inspector and a Senior GIS Technician. Jamie holds a B.S. in Environmental Science from Western Washington University and a M.S. in Watershed Management from the University of Arizona.

**David Sampson,**

Research Scientist, Decision Center for a Desert City

Arizona State University

David wanted to share that he is a Systems Modeler; a person who can visualize functional relationships among processes in time and space, and then write computer code to mimic the system (any system). He puts his skills to use as the lead WaterSim developer for the Decision Center for a Desert City (DCDC). Officially he is a Research Associate and Senior Sustainability Scientist in the Global Institute of Sustainability (GIOS).

David holds an M.S. from NAU in Forest Science and a Ph.D. from Colorado State University in Forest Science-Systems modeling. His graduate work focused on forest ecosystem structure and process, leading him to start his career as a biogeochemical process modeler. He has held post-doctoral positions at North Carolina State University and at Virginia Polytechnic Institute and State University (VPI). And, he was, briefly, a visiting Professor at the University of Antwerp, in Antwerp Belgium.

**Ray Quay,**

Director of Stakeholder Relations, Center for a Desert City  
Arizona State University

Ray has been associated with the Decision Center for a Desert City project since 2004 as a stakeholder, advisor, and researcher. In his former position as an Assistant Director of the Water Services Department for the City of Phoenix, Ray was involved with DCDC in stakeholder outreach, water demand and heat island research, and in the application of climate change science and research to public adaptation policy and programs. Ray joined the DCDC project in 2010 as an academic professional. His involvement will now include expanding the capabilities and facilitating the use of WaterSim as a research and public policy tool, expanding DCDC's stakeholder outreach with water managers and land use planners, facilitating the initiation and development of academic research that is applicable to current and future public policy issues, and participating directly in various DCDC supported research. Ray's research interests include advanced scenario planning, anticipatory governance, climate change impacts and adaptation, water demand analysis and models, regional growth, and visualization of sustainability and uncertainty.

**Candice Rupprecht**

Coordinator of Applied Programs  
Water Resources Research Center  
College of Agriculture & Life Sciences  
University of Arizona

Candice works on the Water RAPIDS (Research and Planning Innovations for Dryland Systems) Team at the University of Arizona Water Resources Research Center. She oversees the Conserve to Enhance program and is working on a project to develop a Sustainable Water Management Plan for the Town of Clarkdale, Arizona. Both projects are designed to develop innovative solutions that balance environmental water needs with the needs of new and existing water users and involve significant stakeholder engagement and outreach.

Candice holds a B.S. in Geosciences and Science Education and a M.S. in Hydrology & Water Resources, both from the University of Arizona. In her seven years at the WRRRC Candice has also directed a statewide watershed education program (the Master Watershed Steward Program) and has managed a K-12 water resources education program with Arizona Project WET and The Nature Conservancy (the Water Investigations Program). In her various roles Candice has identified stakeholder needs and community priorities, developed curriculum and programming materials, conducted program evaluations and she has worked with communities across Arizona to develop and implement locally relevant water management, conservation and education opportunities.

**Mary Reece**

Manager of the Program Development Division  
U.S. Department of Interior's  
Phoenix Area Office, Bureau of Reclamation.

Mary has over 15 years of planning experience in water resource management in both Arizona and southwestern New Mexico. These planning studies examine water supply and water quality issues and seek to develop solutions in partnership with a wide range of entities for municipal & industrial, agricultural, and tribal water uses. Potential solutions include water conservation and reuse, water quality improvement and desalination, and water development from a variety of sources. Mary works collaboratively with various teams including other Federal entities, tribes, state and local governments, non-governmental organizations, water providers, and academia to identify and execute study plans as well as share water, environmental, and energy-related information and provide public outreach on Reclamation programs and activities. Mary is a registered professional engineer with Bachelor of Science in Mechanical Engineering and Masters in Public Administration degrees from Arizona State University