

# WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES  
COOPERATIVE EXTENSION

**WATER RESOURCES  
RESEARCH CENTER**

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The [Water Resources Research Center](#) - a research and [Extension](#) unit of the [College of Agriculture and Life Sciences](#)

## IRRIGATED AGRICULTURE IN ARIZONA: A FRESH PERSPECTIVE



**WRRC  
CONFERENCE  
2017**



COLLEGE OF AGRICULTURE & LIFE SCIENCES  
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**WATER RESOURCES  
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**AGRIBUSINESS  
& WATER  
COUNCIL**  
OF ARIZONA

## Agenda is Now Posted for WRRC 2017 Conference

On March 28, 2017, join your friends and colleagues in the water community for a full day of stimulating presentations, discussions, and much more at the 2017 WRRC Annual Conference to be held at the University of Arizona Student Union Memorial Center. Arizona is facing the challenge of water demands outstripping supplies. Do we have enough water to sustain agricultural demands as our population grows, the Colorado River water supply-demand gap increases, and depletion threatens our groundwater aquifers? Join the discussion! Look for registration to open in January 2018!

Check out the full agenda [here](#).

## WRRC EVENTS

**WRRC Brown Bag Seminar -  
"Agua Dulce"**



**January 19, 2017**



**Time/Location:** 12:00 - 1:15 p.m. / WRRRC Sol Resnick Conference Room (350 N. Campbell Ave.)

**Speaker:** Tim Thomure, Director, Tucson Water

In early November, Tucson Water unveiled a plan that could restore a vibrant ecosystem to the long-dry stretch of the Santa Cruz River through downtown Tucson. Tucson Water has developed an innovative plan for the "Agua Dulce" project, that would route recycled water, currently being used to restore the Santa Cruz River in far Northwest Tucson, to the Santa Cruz riverbed in Central Tucson. Join us to learn more about plans for this innovative project.



If you can't make it to the live seminar on Dec. 5, join us online [here](#)

## NEWS

### Budapest Water Summit

WRRRC Director Sharon B. Megdal and Udall Center for Studies in Public Policy Director Robert Varady participated in the Budapest Water Summit, which was held November 28-30, 2016 in Budapest, Hungary. The Summit, with the theme of "Water Connects", had a significant focus on the policies required to achieve the water-related United Nations-2030 Sustainable Development Goals (SDGs). In particular, Sustainable Development Goal Six calls for ensuring availability and sustainable management of water and sanitation for all. Megdal and Varady were invited speakers for the Science-Technology forum component of the Summit. Megdal's keynote, entitled "Groundwater Invisibility and Decentralized Governance: The role of science in informing groundwater policy", was part of a session on managing groundwater under uncertainty. Varady spoke at the Science-Technology closing high-level panel on how scientific knowledge guides SDG policy making at different scales.



More information about the Budapest Water Summit 2016 can be found [here](#).

### Southwest Extension Climate Change Workshop

The University of Arizona's Center for Climate Adaptation Science and Solutions (CCASS) hosted a Southwest Extension Climate Change Workshop on December 6-8 on the University of Arizona campus. The purpose of the workshop was to build Extension's capacity to develop climate-change preparedness and mitigation programs that integrate cutting-edge climate science into existing and emerging efforts. One of the outcomes hoped for in the workshop was to develop partnerships between Extension agents in the Southwest to exchange and incorporate climate-change information into their programs. Session topics included "Extension and Climate Hubs in the Context of Climate Change Adaptation and Mitigation", "Actionable Science: What Works, When, Where, and Why?", and "Lessons Learned in Climate Communications." Attendees also participated in breakout sessions that focused on integrating climate-resilient thinking into program areas, organized by the topics of youth and family



programs, natural resources (including water, fire, range, and forestry), agriculture, and urban programs.

To view the conference agenda, please click [here](#).

To learn more about the Center for Climate Adaption Science and Solutions, click [here](#).

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## Teacher Applications Now Open for Recharge the Rain: Community Resilience through STEM Education



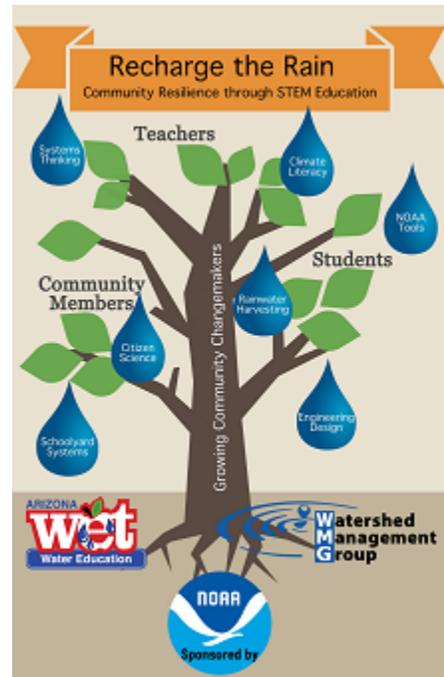
Are you interested in building community resiliency to hazards associated with increased temperatures, drought, and flooding in Arizona? Arizona Project WET and

Watershed Management Group are calling on 6-12th grade Tucson teachers to participate in Recharge the Rain, a project sponsored by NOAA. Teachers selected for the cohort will participate in 24 days of professional development over four years in order to:

- Develop and teach environmental literacy science curricula incorporating systems thinking, NOAA tools, and citizen-science data;
- Learn rainwater harvesting techniques and develop engineering design units to engage students in the design of rainwater systems; and
- Involve students and the community in the installation of schoolyard rainwater harvesting systems.

Teachers will deepen content knowledge, evolve instructional practices, and become emissaries for building community resilience to extreme weather events while receiving equipment, stipends, and University of Arizona credit (if desired).

Click [here](#) for more detailed information and the application.



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## AZ Hosts Invited for Smithsonian's WaterWays Exhibit



Arizona Humanities and Arizona State University invite museums, nature centers, public libraries, art centers, and other nonprofit cultural organizations to host Water/Ways. Water/Ways is part of the Museum on Main Street, a collaboration between the Smithsonian Institution and state humanities councils, intended to raise awareness of water as a critical resource. It explores the water cycle, the effect of water on landscape, culture, and political and economic efforts to ensure access to and protection of water. Twelve venues will be selected to host the exhibition beginning in 2018.

To learn more about the *WaterWays* project click [here](#).

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**\$2.26 Million NSF Grant Awarded to**



## Support Rainwater Harvesting

Dr. Monica Ramirez-Andreotta of the UA Department of Soil, Water and Environmental Science (SWES) was recently awarded a National Science Foundation grant that will provide \$2.26 million dollars over five years for a citizen science project. The innovative project, "Building a Co-Created Citizen Science Environmental Health Project with Underserved Communities," will train historically underrepresented urban and rural populations on how to monitor the quality of their harvested rainwater, garden soil, and home garden crops. Dr. Ramirez-Andreotta leads a team of scientists from SWES (including WRRRC Associate Director Dr. Jean McLain) and the Sonora Environmental Research Institute.



For more information on the project, click [here](#).

## ANNOUNCEMENTS

### KVOI Radio Explains "Agua Dulce" Plan

On December 15th at noon, WRRRC Associate Director Jean McLain and Tucson Water Director Tim Thomure will be on the air with Ray Alan of KVOI Radio (1030AM) presenting information about potential social and environmental impacts of a project to restore Santa Cruz River flows through downtown Tucson. The project, called "Agua Dulce", would restore river flow using treated reclaimed water.

To read the AZ Daily Star article about the Santa Cruz River Plan, click [here](#).

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### Lecture in Patagonia, AZ on Patagonia's Watershed - What the Research Tells Us

Friends of Sonoita Creek will host Dr. Laura Norman, Research Physical Scientist with the U.S. Geological Survey, on Saturday, December 17, 2016, at 10:00 a.m. in Cady Hall, Patagonia Library. Dr. Norman has spent 18 years modeling watersheds in the U.S.-Mexico border region. This is a free presentation, all are welcome.

For more information about this presentation, click [here](#).

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### Water Conservation Field Services Program Grant

Recently grants.gov posted the funding opportunity announcement for the Phoenix Area Office Water Conservation Field Services Program Grant BOR-LC-17-001. Closing date for applications is January 23, 2017.

For more information about this grant, click [here](#).

Additional funding and job opportunities can be found on the UA Water Network, [here](#).

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### 2017 Land and Water Summit

The Xeriscape Council of New Mexico and the Green Infrastructure, Low Impact Development in

Arid Environments group will hold the 2017 Land and Water Summit titled, *Growing Community Relationships: Just Add Water* on February 22-24, 2017, at the Sheraton Airport Hotel in Albuquerque, NM. Catlow Shipek, founding member of the Tucson based Watershed Management Group, will present, "Building community networks and flow budgets to restore creek flows in Tucson, Arizona".

To register for the 2017 Land and Water Summit, click [here](#).

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