

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](#)

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WRRC CONFERENCE
**THE BUSINESS
OF WATER**



Transactions



The Environment



Binational
Cooperation



Economic
Opportunity



The Future

**WRRC 2018 Annual Conference
Registration Opens Next Week**

Registration for the 2018 WRRC's Annual Conference, "The Business of Water", opens next week. Our new agenda, linked below, includes some exciting additions.

Water is everyone's business and the business of water affects everyone. At the conference, we will explore the many facets of our topic, focusing on key questions. How will water exchanges, transfers, and market-based transactions figure into our water future? What is the role of the private sector, including public-private partnerships? What factors and forces influence what we pay for water? In addition, consider participating in our [WRRC Poster session](#) as a way to share your water research and projects with elected officials, water municipalities, and water users from throughout the region. Find more information on the poster submissions and the student poster contest in the article below.

Please join us on March 28 at the University of Arizona Student Union as we consider these complex and dynamic issues, vital to the reliability, security, and cost of our future water supplies.

[Agenda](#)

WRRC EVENTS

WRRC Brown Bag - Agriculture in Arizona's Economy: The Role of Modeling and Implications for Water Management

January 17, 2018

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

Speaker: George Frisvold, Professor and Extension Specialist, Department of Agricultural and Resource Economics, University of Arizona



This presentation will highlight results of an input-output (I-O) modeling exercise measuring the contribution of Arizona's agribusiness system to the state's economy. The agribusiness system includes crop and livestock industries as well as industries that supply and support on-farm production, food and fiber processing industries, and companies that market and distribute agricultural products. Through a combination of direct and multiplier effects, the agribusiness system contributed \$23.3 billion in sales and more than 138,000 jobs to Arizona's economy.



If you can't make it to the seminar on January 17, join us [here](#).

WRRC Brown Bag - New Techniques for Mapping Planted Versus Fallowed Croplands Using MODIS Data

January 23, 2018

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

Speaker: Cindy Wallace, Research Geographer, USGS





An important metric to monitor for optimizing water use in agricultural areas is the amount of cropland left fallowed or unplanted. Fallowed croplands are difficult to model because they have many expressions; for example, they can be managed and remain free of vegetation or be abandoned and become weedy if the climate for that season permits. USGS Researchers used remote imaging to develop an algorithm that can routinely map cropland status (planted or fallowed) with over 75% accuracy.



If you can't make it to the seminar on January 23, join us [here](#).

WRRC Brown Bag - Scottsdale Water Campus: 20 Years of Sustainable Water Management

January 25, 2018

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

Speaker: Brian K. Biesemeyer, Scottsdale Water Director



The Scottsdale Water Campus is a unique and technologically advanced facility that is the center of Scottsdale Water's Vision: Water Sustainability through Stewardship, Innovation and People. The campus started operations in 1998 and contains a water reclamation facility, an advanced water treatment facility, and a surface water treatment facility, along with more than 60 vadose zone wells and a water quality laboratory. Currently the facility is able to treat 20 million gallons a day of sewage through its reclamation facility and advanced water treatment facility for direct aquifer recharge and golf course irrigation. Additionally, the surface water treatment facility is capable of treating up to 70 million gallons a day of Central Arizona Project (Colorado River) water for drinking water purposes.



If you can't make it to the seminar on January 25, join us [here](#).

14th Annual WRRC Chocolate Fest

February 16, 2018

Time/Location: 3:30 p.m. - 5:00 p.m. / WRRC Sol Resnick Conference Room (350 N. Campbell Ave.)

Don't miss the 14th Annual WRRC Chocolate Fest! Share your favorite treats and try sinfully spectacular creations from your water friends and colleagues. Also, help us applaud the WRRC's photo contest winners. We received an amazing array of photographs this year, capturing stunning examples of water across the state. Please tell your friends - and let the chocolate festivities begin!



[Event Flier](#)

WRRC NEWS

UA Maricopa County Cooperative Extension Smartscape 101 Series Offered in February

Landscape professionals are invited to join the next Smartscape training session to learn about design, installation, irrigation, and maintenance of desert landscapes. The University of Arizona, Maricopa County Cooperative Extension is accepting registrations for the spring 2018 Smartscape 101 series. Classes will be held on Tuesdays and Thursdays from February 6th - March 1st from 3:00pm to 6:00pm at the Maricopa County Cooperative Extension office: 4341 East Broadway Road Phoenix, AZ 85040. Check out the course [flyer](#) for a list of class topics. Seats are limited and fill fast, so register today!



Contact Kirti Mathura, Smartscape Program Coordinator, with any questions at smartscape@cals.arizona.edu or (602) 827-8206.

[To Register](#)

104g Preproposals Due Feb. 14

The U.S. Geological Survey in cooperation with the National Institutes for Water Resources is requesting proposals for the FY 2018 Water Resources Research National Competitive Grants Program (104g). Grants are awarded for research on water problems and issues of a regional or interstate nature beyond those of concern only a single state. Proposals may be for projects of 1 to 3 years in duration and may request up to \$250,000 in federal funds. Any investigator at an institution of higher learning in the United States may apply through a Water Research Institute or Center established under the provisions of the Water Resources Research Act. In Arizona, this is the WRRC.



The first stage of the application is a brief preproposal. The RFP, accessible [here](#) contains instructions for the preproposal and full proposal. Preproposals submitted through the WRRC must be received before 12:00 noon MST, February 14, 2018. The WRRC will forward the preproposals to the USGS National Program Office for the peer panel evaluation. Email preproposals to [Susanna Eden](#).

[More Information](#)

New Year, New You!

Happy New Year! Are you still looking for a New Year's resolution? Why not make a resolution to volunteer more? Or to help to conserve water? Or to help educate





students in your community? Why not all three?!

We have plenty of volunteer opportunities coming up this spring with our programs.

To volunteer with the [Aqua STEM](#) program, email [Sandra Hurlbut](#).

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To volunteer at an [Arizona Water Festival](#), email [Sara Alloway](#).

WRRC 2018 Annual Conference Poster Session - Call for Abstracts



The WRRC is now accepting abstracts for the poster session at its 2018 Annual Conference, "The Business of Water". This is an excellent chance to discuss and share your research with the water community at large.

Interested students, researchers, and practitioners are invited to submit poster abstracts on research related to the conference theme or other research topics critical to water in Arizona. Student posters will be entered into the poster contest and the top three student posters will receive cash prizes.

The deadline for submitting an abstract is Friday, February 23 at 5 pm (MST).

[More Info](#)

[Submit Abstract](#)

ANNOUNCEMENTS



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ARIZONA WATER
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- [January 13 Saving Water and Nature at Swan Wash Work Day](#)
- [January 15 Arizona Humanities - Request for Water Scholars](#)
- [January 19 Alan Alda Center for Communicating Science® Workshops](#)
- [January 22 UCOWR/NIWR Annual Water Resources Conference - Call for Abstracts](#)
- [January 26-27 Urban Waterfronts Conference](#)
- [February 2 L'Oréal Women in Science Grants on Trialect - Applications Due](#)

- [February 5 Borlaug CAST Communication Award - Call for Nominations](#)
- [February 14 U.S. Borlaug Summer Institute on Global Food Security - Applications Due](#)
- [February 22-23 Land and Water Summit](#)
- [February 26-27 NGWA Groundwater Policy and Management in the Southwest](#)
- [March 6 BSMAR16 - Registration Open](#)
- [March 25-28 AWWA Sustainable Water Management Conference](#)
- [April 9 El Día del Agua y la Atmósfera - Save the Date](#)
- [April 24-26 IFC Flow 2018 - Registration Open](#)
- [April 30 WaterSmart Innovations Conference and Expo - Call for Abstracts](#)

[Visit Our Website](#)