

# 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 2018 Conference - It's a Wrap!

The Water Resources Research Center's 2018 annual conference, *The Business of Water*, held on Wednesday, March 28, attracted over 300 people from around the state. Topics such as public-private partnerships, water transactions and the growing relationship between environmental water and economic development were examined through the course of the day. Dean Shane Burgess remarked on the importance of water to our economy during his welcome address. UA President Robert Robbins offered a warm welcome to the morning keynote speaker, Governor Stephen Roe Lewis of Gila River Indian Community, who spoke about Tribal approaches to water management and water transactions. If you missed the conference or want to revisit one of the

many presentations, videos of most talks will be posted to the WRRRC website next week.

Photo: Cynthia Campbell

## WRRRC EVENTS

### WRRRC Brown Bag - California Water: 2018 and Beyond

**April 12, 2018**

**Time/Location:** 4:00 p.m. - 5:15 p.m. / ENR2, S107 (1064 E. Lowell St., Tucson)

**Note special time and location**

**Speaker:**

*Felicia Marcus, Chair, California State Water Resources Control Board*



For a birds eye view into California's movement toward integrated water management, join us for a special seminar by Felicia Marcus, Chair of the State Water Resources Control Board for California. Over the past few years, California has made great strides in the water management and policy arena. Ms. Marcus will offer insights about California's efforts to reach across traditional geographic and organizational silos to create the 2014 California Water Action Plan, which lays out a roadmap for the first five years of the state's journey toward sustainable water. The plan takes an "all of the above" approach and incorporates conservation, recycling, stormwater, desalination, ecosystem protection, and more. Climate change, population growth, and other drivers can be game changers. Ms. Marcus will look toward the future and describe strategies and lessons we can all use to get the best water outcomes possible.

**Video will be posted shortly after the presentation.**

[More about Felicia Marcus](#)

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### WRRRC Brown Bag - Advances in Forecasting Summer Monsoon Precipitation, Simulation of Convective Storm Processes

**April 17, 2018**

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

**Speaker:** Chris Castro , Associate Professor, Hydrology / Atmospheric Sciences



Chris Castro joined the Department of Atmospheric

Sciences at the University of Arizona as a faculty member in August 2006. His doctoral and postdoctoral work at the Department of Atmospheric Science at Colorado State University applied a regional atmospheric model to the investigation of North American summer climate. Current research within his group at the University of Arizona focuses principally on physical understanding and prediction of climate in North America through regional atmospheric modeling and analysis of observations.



### [More About Chris Castro](#)

## Upcoming Brown Bag Seminars

- **Apr. 25** - Melanie Stansbury, *Sr. Advisor and Consultant, Utton Transboundary Resources Center, University of New Mexico*
- **Apr. 26** - Cindy Wallace, *Research Geographer, USGS Western Geographic Science Center*

Missed a Brown Bag seminar? Find it posted on our website [here](#).



## OTHER EVENTS

### SIA/WRRC Brown Bag - Rooted: Public Values and Uses for Arizona Streams and Springs

**April 6, 2018**

**Time/Location:** 12:00 p.m. / Sky Island Alliance Office, (406 S 4th Avenue, Tucson)

**Speaker:** Julia Fonseca, *Environmental Planning Manager, Pima County*

Is water really life, as reflected in public values and principles? Fresh water in an increasingly arid region like ours is important, but seeing or having access to surface water has many different meanings and uses to different people. This presentation will explore some of those meanings using local examples. Our laws and policies for surface water are based on certain shared values and uses. What are the values and principles embodied in policies for the care of water? How do they differ from the values and principles that govern water-dependent wildlife? What are the consequences of these differences, in relation to the economy and the policies for both water and wildlife?



## WRRC NEWS

### 2018 Student Poster Winners

Each year, the Water Resource Research Center's



Annual Conference features a poster session and student poster contest. At the March 28th conference, The Business of Water, the poster exhibit included 19 posters on projects related to water management, quality, and water markets. While all of the posters generated animated discussion during the event, the following three posters won top honors.



Photo: Lynn Ketchum\_ CALS

1st Place:

Erin Gray, Department of Hydrology and Atmospheric Sciences  
*Using Water Isotopes and Solute Chemistry to Investigate the Hydrology of Surface Water in the Cienega Creek Watershed*

2nd Place:

Hany Almotairy, Department of Soil, Water and Environmental Science  
*Accumulation of Heavy Metals in Aquaponic Systems and Effects on Bacterial Antibiotic Resistance*

3rd Place:

Emily Hyde, Oklahoma State University  
*Water leachability of inorganic N and P from turfgrass leaf tissue*

Congratulations to all presenters on an excellent poster session!

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## National Water Industry Conference in Tucson

Visit the WRRC booth if you plan on attending Maris 2018 Water Conference, April 16th-18th at the JW Marriott Starr Pass in Tucson. Wastewater and drinking water utilities, federal and state agencies and industry professionals will be networking and sharing their knowledge and experiences to stimulate advances in water technology, water reuse and surrounding issues. The WRRC's Jacob Petersen-Perlman will be presenting the results of surveys on state-level groundwater governance and management in the United States. Tom Buschatzke, Director of the Arizona Department of Water Resources, representatives from the Arizona Department of Environmental Quality and the Central Arizona Project will join a program of speakers with wide-ranging expertise. Up to 12 Professional Development Hours offered.

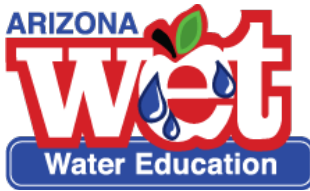


### [Information and Registration](#)

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## Celebrating World Water Day on the Go!

World Water Day on March 22nd focuses on the importance of water - something APW focuses on every day! For starters, the ever popular Southern



Gila Water Festival engaged 4th grade students from Miami, Globe, and Hayden-Winkelman Unified School Districts. Students question, think, and explore learning about

technology that helps transport and conserve water, managing our watersheds for healthy water, making connections between the surface water and groundwater systems, and simulating how water moves through the water cycle.



In west Maricopa County, middle and high schools students engaged in a field expedition at the Hassayampa River Preserve. The budding scientists got their hands dirty and wet as they worked to determine what makes a riparian habitat healthy. Many students were astonished to learn that the tadpoles they found would become frogs! APW's Aqua STEM Program is giving students a chance to learn in the world's largest classroom -- nature. Come celebrate World Water Day with us any day!

[Learn More About APW](#)

## ANNOUNCEMENTS

- [Babbitt Center for Land and Water Policy seeks Program Manager](#)
- [Santa Cruz River Research Agenda - Assessment Survey](#)
- [April 3 Tucson C2E Celebration at Borderlands](#)
- [April 5 AZ Water Pints for People Social Event](#)
- [April 9 Benson Riparian Restoration and Tamarisk Beetle Workshop](#)
- [April 9 GRA Western Water Congress - Abstracts Due](#)
- [April 10 AHS Special Tucson Chapter Meeting - Lessons Learned in the Decade Since the San Pedro Capture Map](#)
- [April 16 AHS Symposium - Call for Abstracts](#)
- [April 24-26 IFC Flow 2018 - Registration Open](#)
- [April 29-May 1 Next Generation Water Summit - Registration Open](#)
- [May 2-4 AZ Water 91st Annual Conference & Exhibition](#)
- [May 10 PNW WaterReuse Conference - Advance Registration Ends](#)
- [May 14 DOE Critical Water Issues Prize Competition RFI - Response Due](#)
- [May 21-24 U.S. EPA Region 9 Tribal Drinking Water Symposium - Save the Date](#)

- [May 22 Water Conservation Field Services Grant - Applications Due](#)
- [June 1 CAP Award for Water Research - Student Papers Due](#)
- [June 15 WaterReuse AZ 2018 Scholarship - Application Due](#)
- [June 26-28 UCOWR/NIWR Annual Water Resources Conference - Registration Open](#)
- [July 9-11 AWRA Summer Conference: The Science, Management, and Governance of Transboundary Groundwater](#)
- [September 26 Innovations at the Nexus of Food, Energy, and Water Systems \(INFEWS\) - NIFA Grant Application Due](#)

[Visit Our Website](#)