

# WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES  
COOPERATIVE EXTENSION

**WATER RESOURCES  
RESEARCH CENTER**



**March 4, 2022 / Volume 10, Issue 9**

The Water Resources Research Center - a research unit of the [College of Agriculture and Life Sciences](#) and an Extension unit in [UA Cooperative Extension](#) within the Division of Agriculture, Life & Veterinary Sciences & Cooperative Extension. [Subscribe to the Weekly Wave.](#)

[WRRRC Office Update](#)

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**IN THIS ISSUE:** Arroyo, Upcoming Events, Lincoln Institute, APW, Sustainability Fund



Image: Mitch McClaran

## Special Edition of the Arroyo Released

The WRRRC and the International Arid Lands Consortium (IALC) have published a Special Edition of the *Arroyo: Addressing Environmental Challenges of Arid Lands*. The publication of this Special Edition represents the final activity of the IALC, an independent consortium of institutions dedicated to promoting “cooperation, education, and technology transfer to address issues facing the world’s drylands.” Marking 30 years of collaboration on issues affecting arid and semiarid regions, the IALC hosted a three-day conference in May 2021 to underscore its mission. The Special Edition *Arroyo* summarizes the presentations and discussions of the conference and highlights the IALC’s Call to Action published in the Conference Declaration. Honorary Chair Joe Hess concluded the

conference commemorating the sunsetting of the IALC: “We therefore pass the baton to other consortiums, government agencies and universities to carry on this important endeavor that affects the well-being of all mankind and brings peace between nations.”

[Read the Arroyo](#)

## EVENTS

### Native Voices in STEM Spring 2022 Seminar Series: Wastewater-Based Epidemiology in Tribal Communities

**Date:** March 14, 2022

**Time:** 3:00-4:00 pm Arizona Time

**Location:** [Webinar Only](#)

**Speaker:** Otakuye Conroy-Ben, *Assistant Professor in the School of Sustainable Engineering and the Built Environment at Arizona State University*



Dr. Otakuye Conroy-Ben is an Assistant Professor in the School of Sustainable Engineering and the Built Environment at Arizona State University. Conroy-Ben received a BS in Chemistry from the University of Notre Dame and an MA in Analytical Chemistry and PhD in Environmental Engineering from the University of Arizona. Her research focuses on the biological effects of polluted water. Her research interests include environmental endocrine disruption, metal and antibiotic resistance in bacteria, and wastewater epidemiology.

[Additional Info and Zoom link](#)

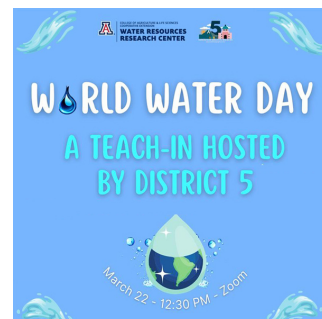
### World Water Day Teach-In Hosted by District 5

**Date:** March 22, 2022

**Time:** 12:30 pm-1:30 pm Arizona Time

**Location:** [Webinar Only](#)

Join us virtually on Tuesday, March 22 from 12:30 pm to 1:30 pm for a World Water Day Teach-In! Pima County Supervisor Adelita Grijalva's District 5 Office will be hosting this space to encourage the community to learn more about the Santa Cruz River Heritage Project and the water challenges we face as a desert community. The City of Tucson Interim Assistant City Manager Timothy Thomure and representatives of the WRRC will be presenting, followed by Q&A.



[Register Here](#)

[Facebook Event Page](#)

[Upcoming Events](#)

**Mar 29: [WRRC Brown Bag Webinar: Looking Upstream: An Upper Basin Perspective](#)**; Jennifer Gimbel, *Interim Director and Senior Water Policy Scholar, Colorado Water Center*; Jim Lochhead, *CEO/Manager, Denver Water*; Steve Wolff, *General Manager, Southwestern Water Conservation District*

**Apr 6: [Udall Center Workshop: State of the Art in Green Infrastructure Research & Practice: Reframing Stormwater from a Hazard to a Resource in Tucson, Arizona](#)**

**Apr 7: [WRRC Brown Bag Webinar: Public Interest, Indigenous Rights, and the Los Angeles Aqueduct](#)**; Sophia Borgias, *Assistant Professor, Interdisciplinary Programs, Boise State University*

**Apr 11: [Native Voices in STEM Spring 2022 Seminar Series: Environmental Justice](#)**; Tommy Rock, *PhD in Earth Science and Environmental Sustainability, Northern Arizona University*

**Apr 19: WRRC Brown Bag Webinar: Civil Society in the Binational Agreements of the Colorado River: Advocacy Meets Shuttle Diplomacy**; Carlos A. de la Parra, *Chair of the Board, Restaremos el Colorado, AC*

**Apr 27: WRRC Brown Bag Webinar: Sharon Nappier, National Program Leader for Water Reuse, US Environmental Protection Agency - Office of Water**

**May 3: Special Event: Counter Mapping**; Jim Enote, *CEO, Colorado Plateau Foundation*



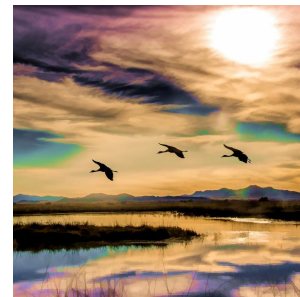
## Spring Break for the Weekly Wave

The Weekly Wave will return on March 18.

# NEWS

## Exciting and *Full* Schedule of Spring Events

Somehow, we are already at the threshold of Spring Break at UArizona. As we enter the second half of the semester, the WRRC looks forward to an exciting lineup of Brown Bag webinars and special events. March 14 is the next installment of the [Native Voices in STEM](#) (NVIS) seminar series, which focuses on wastewater epidemiology in Tribal communities, and is organized by UArizona Indige-FEWSS and several other UArizona departments and units, including the WRRC. On World Water Day (March 22), the WRRC will participate in a virtual "Teach-In" hosted by Pima County District 5. In collaboration with the Colorado Water Center at Colorado State University, the WRRC will host *Looking Upstream: An Upper Basin Perspective* on March 29. Join us for a panel moderated by Colorado Water Center Interim Director and Senior Water Policy Scholar Jennifer Gimbel, with speakers Jim Lochhead, CEO/Manager of Denver Water and Steve Wolff, General Manager of the Southwestern Water Conservation District. Then, kicking off events in April, the WRRC is co-sponsoring a Udall Center Workshop on green infrastructure research on April 6. On April 7, we will welcome Sofia Borgias, assistant professor at Boise State University for a presentation titled *Public Interest, Indigenous Rights, and the Los Angeles Aqueduct*. The final seminar of the NVIS series will be held April 11 with Dr. Tommy Rock presenting on *Environmental Justice*. Carlos A. de la Parra, Chair of the Board, Restaremos el Colorado, AC, will speak on civil society in the binational agreements on the Colorado River on April 19, and on April 27, Sharon Napier, National Program Leader for Water Reuse at the EPA Office of Water will speak on the programs of her office. In the afternoon of May 3, Jim Enote, CEO of the Colorado Plateau Foundation will discuss *Counter Mapping*, an effort to create maps that bring an



Indigenous voice and perspective back to the land, countering Western notions of place and geography.

Visit our website and keep an eye on the Weekly Wave for information on these many exciting events, and more that are in development!

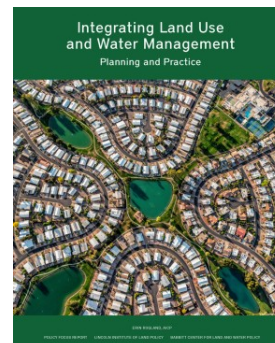
Image: Whitewater Draw, AZ, James Bowman, WRRRC Photo Contest

## [Upcoming WRRRC and Collaborative Events](#)

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### **Integrating Water Management and Land Use**

Despite overlapping mandates, land use and water management agencies are typically separate. The Lincoln Institute of Land Policy's newest policy focus report from the Babbitt Center for Land and Water Policy investigates how uniting land and water planning is necessary to address the challenges posed by climate change, population growth, and drought. In *Integrating Land Use and Water Management*, author Erin Rugland, Program Manager, Babbitt Center for Land and Water Policy, outlines best practices in water management and land use planning and provides policy tools that can be used for their integration. The report features four success stories from across the US, including Colorado, Florida, Philadelphia, and Minnesota. According to the report, state policy is crucial to integrating land and water planning, and Rugland provides four recommendations for policymakers to accomplish integration goals. Among her recommendations are state mandates, building capacity through funding and technical assistance, collaborating locally, and coordinating regional expertise and oversight.



### [Download the Report](#)

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### **Becoming a Water Wizard!**

APW is excited to roll out and share our new virtual water festival program. An in-person festival is not possible for some of the school districts this year due to the current challenging circumstances, so instead, APW has created an interactive virtual option so teachers and students have an opportunity to engage in a hands-on exploration of the Incredible Water Cycle Journey and a Water Conservation Technology activity. APW has designed two activity kits around these topics, which get dropped off at schools where teachers can then watch pre-recorded interactive videos with their students to complete each mission and assist their students in becoming **Water Wizards**. APW is very grateful for its dedicated sponsors, whose flexibility and willingness to be open to new ideas helped to create this new opportunity for community members. Thanks to the City of Avondale and the City of Phoenix, the Littleton and Roosevelt School Districts will be the first participants. APW believes this was the best solution to providing hands-on educational activities in a safe way during these uncertain times. With this new program helping students to better understand how water moves through the natural systems in Arizona and learning the importance of water conservation technologies, APW continues to educate the next generation of water stewards.



Image: Screenshot of the first video created for the virtual water festival program. Jameson Neyman is an APW AmeriCorps Member working in Tucson.

## Sustainability Fund Grant Application Now Open

The UArizona Office of Sustainability Campus Sustainability Fund (CSF) is accepting applications for its inaugural annual grant program. Awards range between \$5,000 and \$100,000 and will be allocated in July. Funded projects must be completed by June 2023. CSF projects enable students to have a direct impact on sustainability on the UArizona campus while also gaining project management experience. The fund is seeking diverse proposals that focus on waste reduction, energy use, social sustainability, and other efforts to promote and further the University's goals. Grant applications are due by 5 pm on March 31. The Campus Sustainability Fund works to create a more sustainable future for UArizona, built by students and campus community members. CSF also offers Mini-Grants for small-scale short projects, in addition to the Annual Grants for larger projects. The CSF is funded through the Sustainability Fee and has project-specific funding from the Agnese Nelms Haury Program and an anonymous donor. The CSF was created as the successor to the UArizona Green Fund, which funded projects around campus for more than a decade, including the WRRC's rainwater harvesting system.



### [More Info](#)

### [UArizona Sustainability Project Map](#)

## WATER JOBS

### **UArizona Director, Cooperative Extension [Job Listing](#)**

The University of Arizona seeks a strategic and innovative leader to be the next Director of the [UArizona Cooperative Extension System \(CES\)](#).

- UWM Center for Water Policy [Water Policy Specialist](#)

Please visit [WRRC's website](#) for a complete listing of water jobs & opportunities.

## ANNOUNCEMENTS

- **Mar 4:** [2022 AHS Annual Symposium – Abstract Deadline](#)
- **Mar 8:** [AHS Tucson Monthly Chapter Meeting: Isotope Dating Tucson Basin Central Aquifer Recharge](#)
- **Mar 9:** [Spring 2022 UCOWR Roundtable Series: Aquatic Invasive Species – Email to RSVP](#)
- **Mar 14:** [Native Voices in STEM Spring 2022 Seminar Series Presents Dr. Otakuye Conroy-Ben](#)
- **Mar 16:** [El Día del Agua y la Atmósfera – Registration Deadline](#)
- **Mar 16-18:** [Water Education Foundation's Lower Colorado River Tour](#)
- **Mar 17-18:** [The Colorado River Compact: Navigating the Future](#)
- **Mar 22:** [World Water Day 2022](#)

- **Mar 22-24:** [Expo 2020 Dubai, \*Water Resources Management and Sustainability: Solutions for Arid Regions\*](#)
- **Mar 24-25:** [Santa Cruz River Research Days](#)
- **Mar 28:** [11<sup>th</sup> International Symposium on Managed Aquifer Recharge – Online Registration Closes](#)
- **Mar 29:** [WRRC Brown Bag Webinar: Looking Upstream: An Upper Basin Perspective](#)
- **Mar 31:** [Los Charros Foundation Scholarship – Application Deadline](#)
- **Apr 1:** [EPA Environmental Justice Video Challenge for Students – Phase 1 Submissions Due](#)
- **Apr 6:** [Udall Center Workshop: \*State of the Art in Green Infrastructure Research & Practice: Reframing Stormwater from a Hazard to a Resource in Tucson, Arizona\*](#)
- **April 7:** [WRRC Brown Bag Webinar: \*Public Interest, Indigenous Rights, and the Los Angeles Aqueduct\*](#)
- **Apr 11:** [Native Voices in STEM Spring 2022 Seminar Series Presents Dr. Thomas Rock \(\*Diné\*\)](#)
- **Apr 11-15:** [11<sup>th</sup> International Symposium on Managed Aquifer Recharge](#)
- **Apr 11-17:** [Arizona Water Professionals Appreciation Week](#)
- **Apr 12-14:** [AZ Water 95<sup>th</sup> Annual Conference & Exhibition](#)
- **Apr 15:** [Fall 2022 Agents of Change in Environmental Justice Fellowship – Application Deadline](#)
- **Apr 19:** [WRRC Brown Bag Webinar: Civil Society in the Binational Agreements of the Colorado River: Advocacy Meets Shuttle Diplomacy; Carlos A. de la Parra, \*Chair of the Board, Restauremos el Colorado, AC\*](#)
- **Apr 20:** [Spring 2022 UCOWR Roundtable Series: \*Coastal Water Issues II\* – Email to RSVP](#)
- **Apr 22:** [Earth Day 2022: \*Invest in Our Planet\*](#)
- **Apr 22:** [Earth Day 2022 Lower Salt River Cleanup](#)
- **Apr 25-27:** [AWRA 2022 Spring Conference: \*Water Risk Under a Rapidly Changing World - Evaluation & Adaptation\*](#)
- **Apr 27:** [WRRC Brown Bag Webinar: Sharon Nappier – Save the Date](#)
- **May 3:** [Special Event: Counter Mapping; Jim Enote, \*CEO, Colorado Plateau Foundation\*](#)
- **May 11-12:** [The Third International Congress on Desert Economy: \*Energy Economics between Deserts and Oceans \(Dakhla, Morocco\)\*](#)
- **May 19-20:** [23<sup>rd</sup> Annual Law of the Colorado River Conference](#)
- **Jun 14-16:** [UCOWR/NIWR 2022 Annual Water Resources Conference](#)
- **Jun 19-24:** [Frontiers in Hydrology 2022: \*Future of Water\*](#)
- **Jun 21-24:** [Global Council for Science and the Environment \(GCSE\) 2022 Virtual Conference: \*Biodiversity, Conservation Science, and Climate Change\*](#)
- **Sep 11-14:** [AWWA 2022 Water Infrastructure Conference & Exposition](#)
- **Sep 11-15:** [IWA World Water Congress & Exhibition - \*Water for Smart Liveable Cities\* \(Copenhagen\)](#)
- **Sep 14-16:** [2022 AHS Annual Symposium](#)
- **Oct 6-8:** [SustainValencia2022; \*Achieving Sustainable Groundwater Management: Promising Directions and Unresolved Challenges\*](#)
- **Nov 7-9:** [AWRA 2022](#)

Do you have a story idea, water job announcement, or event to share?

[Contact us here](#)