

WEEKLY WAVE

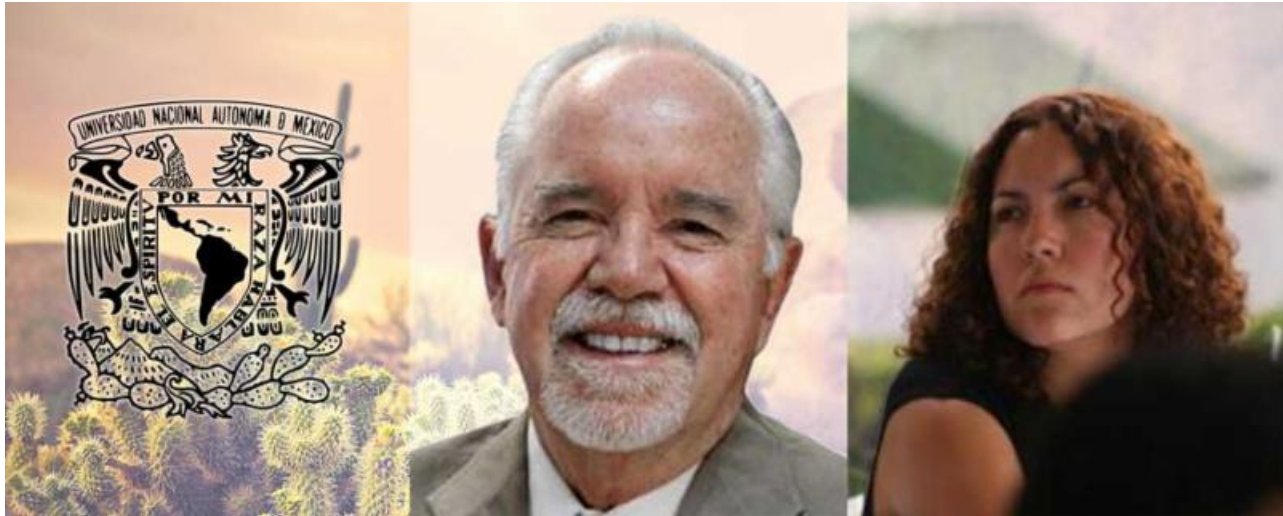


COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

October 7, 2016 / Volume 4, Issue 30

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



UA Hosting Special Seminars by Distinguished Mexican Visitors

We are honored to announce that Dr. Fernando González Villarreal and Adriana Nava Palma of the Institute of Engineering, Universidad Nacional Autónoma de México (UNAM) will present two special seminars at the University of Arizona.

Dr. Fernando González Villarreal is a civil engineer and a full-time researcher at the UNAM Institute of Engineering pursuing principal lines of research in water policy, hydraulics, hydrology, and river engineering. He is currently the Technical Coordinator of the RAUNAM Water Network, a knowledge network formalized in 2009, consisting of interactions in the production, storage, distribution, access, and analysis of the information on water management generated by its members. Dr. González Villarreal's presentation will outline various geographical, economic, and cultural situations that pose major challenges in managing water in Mexico.

Adriana Palma Nava is a professor on the Faculty of Engineering and the Faculty of Accounting and Administration at UNAM. She is also an active researcher on groundwater projects under the UNAM Institute of Engineering and the coordinator of the Analysis Group on Artificial Recharge under UNAM's Water Network. She will present ISMAR9 (International Symposium on Managed Aquifer Recharge) conference outcomes on current and emerging challenges to maintaining the quantity and quality of groundwater resources, which will include climate change and variability, pressures

from a growing population, increasing urbanization, and large agricultural demands.

Both presentations will be held Friday, October 14. Note times and locations under WRRC Events, below.



IRRIGATED AGRICULTURE IN ARIZONA: A FRESH PERSPECTIVE

WRRC CONFERENCE 2017
MARCH 28

WRRC EVENTS

WRRC to Co-host Special Brown Bag Seminar - Water Management in Mexico: Status and Challenges

October 14, 2016

Time/Location: 12:00 p.m. - 1:15 p.m. / ENR2 Room S225 (1064 E. Lowell Street)

Speaker: Dr. Fernando González Villarreal, Institute of Engineering, Universidad Nacional Autónoma de México (UNAM)

The Water Resources Research Center, Department of Chemical and Environmental Engineering, Udall Center for Studies in Public Policy, Consortium for Arizona-Mexico Arid Environments, School of Geograph and Development, and UNAM Center for Mexican Studies (UA) are honored to co-host Dr. Fernando González Villarreal. Dr. Villarreal's seminar will provide an overview and insights into water management in Mexico. The seminar will be followed by a light lunch.

Please note the special location for this Brown Bag Seminar.



WRRC Brown Bag Seminar - Principles in Sustainable Groundwater Management Policy

October 14, 2016

Time/Location: 3:30 p.m. - 4:30 p.m. / WRRC Sol



Resnick Conference Room (350 N. Campbell Ave.)

Speaker: Adriana Palma Nava, National Autonomous University of Mexico (UNAM)



The Water Resources Research Center, Udall Center for Studies in Public Policy, and Consortium for Arizona-Mexico Arid Environments are honored to host Adriana Palma Nava for an update on policy directives for managing groundwater from the ISMAR9 conference held in June 2016.

Please note the special time for this Brown Bag Seminar.

WRRC Brown Bag Seminar - 2016 Central Arizona Project Award Winners



October 21, 2016

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

Speakers: Beth Kleiman, presenting "The Water-Energy Nexus Dimension of the Central Arizona Project System Use Agreement", and Surabhi Karamelbar, presenting "When the Turbines Stop Turning: Examining the Impacts of Drought on Power Production at Hoover Dam and Its Consequences for Entities in Arizona"

Each year, the Central Arizona Project (CAP) holds a competition for students conducting research on water issues facing the lower basin states (Arizona, California, and Nevada). This year both first and second place prizes were awarded to students with strong connections to the WRRC.

WRRC Brown Bag Seminar - Potable Reuse for Inland Locations: Pilot Testing Results from a New Potable Reuse Treatment Scheme



October 26, 2016

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

Speakers: Jeff Biggs, Administrator, Strategic Initiatives Division, Tucson Water, and Michael Hwang, West Regional Technology Leader for Membranes, CH2M

To meet the needs of the greater Tucson metropolitan area, Tucson Water is exploring potable reuse as a means to diversify and expand their water portfolio. To this end, a six-month pilot test of an innovative and sustainable potable reuse treatment scheme was conducted under a tailored collaboration project between CH2M, Tucson Water, and University of Arizona. This project was funded by the WaterReuse Research Foundation (WRRF-13-09). This Brown Bag Seminar will present an overview of the treatment scheme, as well as the major results and conclusions from the pilot study.

NEWS

"Growing With Water" Photo Contest

Photographers of all skill levels, are encouraged to use their imaginations to capture the theme of "Growing with Water". Submissions can be in either urban or rural Arizona settings... flowers to farms, backyard and community gardens to vast agricultural fields, urban landscapes to mountain hideaways, it's up to you! Get creative with interesting photo perspectives, unique detail shots, fascinating vistas, and people in action.



The winning photographs will be featured in the Arizona Water Resource newsletter and at the 2017 WRRC Annual Conference. The winners will also be recognized at the February 2017 Chocolate Fest. Don't wait, entries need to be submitted by November 4, 2016

For more information or to submit an entry, click [here](#)

ACF Announces Five Finalists for the New Arizona Prize Water Innovation Challenge



Arizona Community Foundation in collaboration with Republic Media and the Morrison Institute for Public Policy will award one collaborative team a \$250,000 prize for the most innovative solution for advancing the sustainability of Arizona's water future. The WRRC is a member of the team, along with the City of Phoenix and others, for the "Arizona Water Exchange Program" project, one of the five finalists. All five selected projects will present their innovative ideas to a final panel of judges on November 3, after which the prize winner will be announced.

To read the full list of finalist projects, click [here](#)

Salpointe Students Make Recommendations Based on Water Audit

During the Rio Olympics, the US swimming team dominated the competition earning 33 medals in a swimming pool that contains 660,000 gallons of water. Now, imagine the amount of water it takes to fill 5 Olympic pools. That is how much water Salpointe High School uses to water their athletic field each year. Students in Kevin Russell's class shared these facts with Arizona Project WET, Tucson Water, and Salpointe administrators as a culmination of their [School Water Audit Program](#) unit. Student recommendations to conserve water included low-cost solutions that increase irrigation efficiency, such as aerating the field, alternating zones while watering, and adjusting the watering schedule. Salpointe president, Kay Sullivan, commented, "Salpointe is pleased to partner with Arizona Project WET as we enlighten our students as to water resources and challenges in the desert and empower them to advocate for positive change. These are the next generation of Southern Arizona leaders and we want to prepare them to think critically and collaboratively."



New Website Features Access to Current SCAMA Water Resource Data

A new website is now available to access datasets relevant to water resources management in the Santa Cruz Active Management Area (SCAMA). The website, Water Resources and Climate Assessment Tool (WARCAT), is a one-stop portal to current hydrological and meteorological data, and first-order seasonal hydrologic and climate forecasts, presented in user-friendly ways. The datasets are assembled in real time and include groundwater level data from the Arizona Department of Water Resources (ADWR), precipitation and streamflow data from the US National Weather Service, the Santa Cruz County ALERT system, and the US Geological Survey, and climate forecasts from the National Centers for Environmental Prediction. Web page descriptions and links to the original data sources are provided, along with useful links to other resources. The WRRC worked with the website developer, the Hydrologic Research Center in San Diego, to bring this website to SCAMA stakeholders and others, using funds from ADWR through a SCAMA Augmentation and Conservation Assistance Fund grant.



To access the WARCAT website please contact [Susanna Eden](#)

Program to Celebrate the Shared History of Cobre Valley



The history of water in the Globe-Miami region is the theme of an evening program presented by the University of Arizona Cooperative Extension and Water Resources Research Center, October 19th, 2016, 6:30pm to 8:30pm at the Bullion Plaza Cultural Center & Museum, 150 N Plaza Circle, Miami, AZ. This event will present in digital form the findings and fun facts gathered through the "shared history timeline" experience held earlier this year, when many community members shared memories and historical knowledge about the water, natural resources, and people in Cobre Valley. The program will provide visual reminders and stimulate discussion of important past events and changes over time with an impact on the present and future Globe-Miami area and Cobre Valley. All are invited to take part in this interactive experience.

ANNOUNCEMENTS

WRRC Arizona Water Map: Cookies and Corrections Party

The fourth volume of the Arizona Water Map is almost ready for print. Before we make anything permanent, we need some sharp eyes to find any typos, misplaced arrows, or stray pie charts. Arizona water knowledge is helpful, but not necessary. Red pens and cookies will be readily available for all correctors. Please join us on Monday, October 17, 2016 from 1:00 p.m. to 1:45 p.m. in the Sol Resnick Conference Room at the UA/WRRC, 350 N. Campbell Ave., Tucson, AZ.



Security and Sustainability Forum

On October 24, 2016 from 1:30 p.m. to 2:45 p.m. EDT (10:30 a.m. MST), the Security and Sustainability Forum will host a webinar featuring John Fleck, author of *Water is for Fighting Over and Other Myths about Water in the West*, who will be joined by panelist, Dr. Sharon B. Megdal, WRRRC Director, and moderator, Lucy Moore, a dispute resolution professional. These experts will discuss the bonds being formed to solve the Colorado River Basin's most dire threats. Registration is now open.

To register for this webinar, click [here](#)

"Beyond the Mirage" Expands to National Audience

Mark your calendars in mid-October, "Beyond the Mirage: The Future of Water in the West" will be shown in 33 states, nationwide. Tune into your local stations to watch this eye-opening documentary.

To view the national show time listings, click [here](#)

WATER RESOURCES RESEARCH CENTER

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