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EDUCATION:

A.B., Economics, Douglass College (Rutgers University)
M.A., Economics, Princeton University
Ph.D., Economics, Princeton University

EXPERIENCE:

University of Arizona Current Appointments

Director, Water Resources Research Center, College of Agriculture and Life Sciences, 7/2004-
C.W. and Modene Neely Endowed Professor for Excellence in Agriculture and Life Science, March 2008 - .
University Distinguished Outreach Professor, December 2010 - .
Director, University of Arizona TRIF Water, Environmental and Energy Solutions Initiative, September 2016-
Professor/Specialist, Department of Environmental Science (Previously, Department of Soil, Water and Environmental Science), primary academic departmental affiliation as of July 2012, 11/2006- .
Professor/Specialist, Department of Agricultural and Resource Economics, primary academic departmental affiliation, 2/2002-6/2012. Professor, Courtesy Appointment, 7/2012-
Lady Davis Visiting Professor, The Hebrew University of Jerusalem, March 2012.
Professor, School of Government and Public Policy, (Courtesy Appointment.), 7/2005- (previously the School of Public Policy and Administration).
Professor, School of Geography and Development, University of Arizona (Courtesy Appointment), 11/2006- (previously the Department of Geography and Regional Development).
Professor, Planning, University of Arizona (Courtesy Appointment), School of Landscape Architecture and Planning, College of Architecture and Landscape Architecture, 11/2006-9/2016 (Planning Program), 9/2016-
Professor, Mel and Enid Zuckerman College of Public Health, (Courtesy Appointment), 9/2009-
Professor, Arizona Center for Judaic Studies, (Courtesy Appointment), College of Social and Behavioral Sciences, Fall 2011 - .
Professor, James E. Rogers College of Law (Courtesy Appointment), Fall 2011-
Member, Arid Lands Resource Sciences Graduate Interdisciplinary Program, 10/2006-; Member, Executive Committee, October 2013- June 2018.
Faculty Affiliate, Center for Middle Eastern Studies, January 2010-
Faculty Member, Institute of the Environment (previously Institute for the Study of Planet Earth), 2009- . Also member of IE Faculty Advisory Committee.
Faculty Affiliate, Center for Climate Adaptation Science and Solutions (CCASS), Institute of the Environment, April 2014-
Udall Center Faculty Associate, Udall Center for Studies in Public Policy, The University of Arizona, December 2015-
Past Appointments
Associate Director, Water Resources Research Center, University of Arizona, 2/2002-6/2004.
Co-Director, University of Arizona TRIF Water, Environmental and Energy Solutions (Umbrella program for the TRIF Water Sustainability Program), July 2011- September 2016. **Director**, University of Arizona TRIF Water Sustainability Program, June 2007- June 2016.
President, MegEcon Consulting, 2/1987-2002.
Executive Director, Santa Cruz Valley Water District, 11/91-6/94. The District, a political subdivision of the State, was formed to facilitate water resource management efforts in Southern Arizona. It was established in June 1991 for a 30-month planning period, at the end of which it was determined that the area water interests could

not agree on a governance structure for the District. Responsibilities included management of the agency's activities, including administration, policy development and planning, project construction and operations, and representation of the agency before local, state and federal bodies.

Co-chair, Governor's Transportation Vision 21 Task Force, February 1999–December 2001.

Member, Governor's Water Management Commission, June 2000–December 2001.

Chairman, Arizona State Transportation Board, 1996; Vice Chairman, 1995; Member, January 1991–January 1997.

Director, Tucson Electric Power Company, 10/89–11/91.

Chairman, Arizona Joint Select Committee on State Revenues and Expenditures, 1989. The Committee was charged with examining state taxation and spending and formulating recommendations for improving Arizona's fiscal structure.

Visiting Associate Professor, College of Business Administration, Northern Arizona University, (halftime) 1987–1988. Responsibilities included teaching economics to MBA students, research and special projects.

Commissioner, Arizona Corporation Commission, 10/85–1/87. Appointed by Governor Bruce Babbitt. The Arizona Corporation Commission has responsibility for the regulation of public utilities, business incorporation, securities, and railroad safety.

Assistant Professor of Economics, University of Arizona, 1/79–6/87; on leave 10/85–1/87. Responsibilities included teaching advanced Econometric Theory, Probability and Statistics, Public Sector Economics, and various undergraduate economics courses and researching topics in Public Sector Economics and Applied Econometrics.

Assistant in Instruction, Princeton University, 1976–1977; **Assistant in Research**, Princeton University, 1975.

OTHER SELECTED PROFESSIONAL AND VOLUNTEER ACTIVITIES:

Elected Member, Central Arizona Water Conservation District (Central Arizona Project (CAP)) Board of Directors. First term, January 2009-December 2014. Second term January 2015-December 2020. Member, Executive Committee, February 5, 2015-. Member Central Arizona Groundwater Replenishment District (CAGR) and Underground Storage Committee, February 2009-. Board Secretary and Chair, Central Arizona Groundwater Replenishment District (CAGR) and Underground Storage Committee, February 4, 2016-.

Member, Pinal Active Management Area (AMA) Water Supply Stakeholder Group, December 2019-.

Member, National Institutes for Water Resources (NIWR), July 2004-; **Board member**, August 2011- September 2015; **President-elect**, October 1, 2013-September 30, 2014; **President**, October 1, 2014-September 30, 2015. **Past-President**, October 1, 2015-September 30, 2016.

Member, Board of Directors, Universities Council on Water Resources (UCOWR), June 2013-June 2019.

Immediate Past-President, June 2018-June 2019; **President**, June 2017- June 2018; **President-Elect**, June 2016- June 2017. Chair, June 2017 UCOWR-NIWR Annual Conference, July 2016-June 2017.

Member, Board of Directors, International Arid Lands Consortium (IALC), **President**, March 2018-; Voting member on behalf of the University of Arizona, July 2015; Affiliate (non-voting) member, January 2012-June 2015.

Member, Organisation for Economic Co-operation and Development (OECD) Water Governance Initiative, 2013-.

Member, Board of Directors, American Water Resources Association, January 2017-.

Member, Board of Governors (formerly Steering Committee), JNF-University of Arizona-Arava Region Joint Global Institute for Food, Energy and Water Security, January 2019-.

Co-chair, Cutting-Edge Solutions to Wicked Water Problems, Tel Aviv, Israel, September 2017.

Chair, Annual Conference of the Universities Council on Water Resources, held June 2017.

Member, Executive Council for the National Integrated Drought Information System (NIDIS), a NOAA program, June 2017-June 2018.

Member, Center for Middle Eastern Studies Advisory Board, August 2011-.

Member, Board of Directors, Western Rural Development Center (WRDC). January 2014-December 2016.

Member, Organizing Committee, AWRA July 2018 conference on the Science, Management and Governance of Transboundary Groundwater Systems.

Member, Scientific Committee, International Symposium on Managed Aquifer Recharge 10 (ISMAR10), Madrid, Spain, 2019.

Member, Organizing Committee, Biennial Symposium on Managed Aquifer Recharge (BSMAR16), San Diego, CA, March 2018.

Member, External Advisory Board, International Water Security Network, led by University of the West of England, February 2014-December 2016.

Member, ISMAR9 Conference Scientific Committee, Mexico City, Conference held June 2016.

Member, Advisory Committee, The Groundwater Visibility Initiative: Integrating Groundwater and Surface Water Management Workshop, Jointly sponsored by National Groundwater Association and American Water Resources Association, Scheduled for April 28, 2016. Planning period January 2015 – April 2016.

Member, Program Committee, UCOWR-NIWR-CUASHI Annual Conference, held in Las Vegas, NV, June 16-18, 2015.

Member, Permanent Consultation Mechanism, Groundwater Governance: A Global Framework for Country Action, a project of The GEF, FAO, UNESCO-IHP and others, September 2011- 2015.

Member, National Water Resources Working Group, Formed by the Association of Public Land Grant Universities Policy Board of Directors, 2013-2014.

Member, American Water Works Association, Arizona Water Association, Colorado River Users Association; American Water Resources Association, National Groundwater Association.

Member, International Advisory Committee, fourth (2012) and fifth (2014) bi-annual conference on Drylands, Deserts and Desertification, Ben Gurion University, Sede Boqer Campus, Israel.

Member, Scientific Advisory Committee of the 2nd World Sustainability Forum, an electronic conference on sustainability, From 1 to 30 November 2012, <http://www.wsforum.org>.

Member, Governor's Blue Ribbon Panel on Water Sustainability, December 2009-November 2010.

Member, UNESCO-GEF Transboundary Waters Assessment Programme, Groundwater Expert Group, 2009-.

Member, Arizona Medical Board (formerly Arizona Board of Medical Examiners), February 1999–March 2007, Vice Chair, August 2003 – February 2005.

Member, Arizona Water Quality Appeals Board, May 2002–February 2004.

Member, City of Tucson Citizens' Blue Ribbon Charter Advisory Committee, 2001–2002.

Member, Tucson Airport Authority, 1990-2017.; Serve(d) on various TAA Councils, 1990-2017. Airport Authority Member Emeritus, 2018-.

Chairman, Board of Trustees, Tucson Medical Center, 1993–1995; **Member**, Board of Trustees, 1990–95; **Vice Chairman**, 1992.

Member, Board of Trustees, TMC HealthCare (formerly HealthPartners of Southern Arizona and TMCare), 1993–1999.

Member of the Board, Arizona Hospital and Healthcare Association, 1995–1999.

Member of the Board, Tucson Hebrew Academy, May 1998–May 2004.

Participant, Economic Conference of President-Elect Clinton and Vice President-Elect Gore, Little Rock, December 1992.

Member of the Board, Southern Arizona Water Resources Association, 1989–1990, 1991–1995; **President**, 1994–1995.

Member, Fiscal Policy Advisory Committee, Children's Action Alliance, 1994–1995.

Member, Transportation and Economic Development Committee, Transportation Research Board, National Research Council, 1994–1999.

Member, Project Panel, National Highway Cooperative Research Project 2519, 1998-2000.

Member, Steering Committee for October 1994 LEADERSHIP AMERICA session.

Chair, Pima County Steering Committee for Yes on Proposition 101, 1994.

Judge, Arizona 1993 Entrepreneur of the Year Awards, sponsored by Ernst and Young, Inc. Magazine and Merrill Lynch.

Member, Governor's Regional Airport Advisory Committee, 1990–1992.

Board Member United Way of Greater Tucson, 1989–1992; Executive Committee Member and Planning Division Chair, 1989–1991.

Member, Resolution Trust Corporation Council of Arizona, 1990–1991.

Member, Honorary Advisory Board, Resources for Women, 1990–1991.

Member, Arizona Board of Regents Commission on the Status of Women, 1989–1991.

Member, Greater Tucson Economic Council RTC Study Group, 1990.

Member, 1988 Inaugural Year Class, Leadership America, a national leadership conference for women.

Participant, United States-Mexico Emerging Leaders Dialogue, American Center for International Leadership and IBAFIN, Mexico City, April 1988.

Member, National Association of Regulatory Utility Commissioners (NARUC), 1985–1987; Member, Electricity Committee, 1986–1987.

Member, Advisory Committee, Telecommunications Policy Research Conference at Airlie, Virginia, 1987, 1988.

Board Member, Committee on the Status of Women in the Economics Profession, 1984–1986.

Member, American Economic Association, 1974–1998.

Reviewer for numerous journals, textbook publishers, and granting agencies.

Member of the Board, Tucson Tomorrow, 1987–1989.

Member of the Board, Tucson Issues Forum, 1988.

Member, Arizona Board of Regents Student Financial Aid Task Force, 1987.

Featured speaker and panelist at various national and local conferences, meetings, radio and television programs.

PUBLISHED AND POSTED MATERIALS AND PAPERS (INCLUDING INVITED PAPERS PENDING PUBLICATION):

- Bernat, R.F.A., Megdal, S.B. and Eden, S., Long-Term Storage Credits: Analyzing Market-based Transactions to Achieve Arizona Water Policy Objectives, *Water* (submitted December 31, 2019)
- Megdal, S.B. (2019) Reflections on a Successful Israeli Conference Experience, Weekly Wave Issue, December 6, 2019. <https://wrrc.arizona.edu/reflections-successful-israeli-conference-experience>
- Cruz Ayala, M.B. and Megdal, S.B., An overview of Managed Aquifer Recharge in Mexico and its legal framework, *Water, Special Issue on Managed Aquifer Recharge for Water Resilience*, in review (submitted November 2019).
- Megdal, S.B. (2019) Reflections on the 10th Anniversary of the Transboundary Aquifer Assessment Program and the Importance of its Joint Cooperative Process, Weekly Wave Issue, August 23, 2019. <https://wrrc.arizona.edu/reflections-10th-anniversary-taap>
- Seasholes, K. and Megdal, S.B., The Arizona Water Banking Authority: The Role of Institutions in Supporting Managed Aquifer Recharge, Case study to be included in *UNESCO-IAH-GRIPP MAR Case Studies Book*, edited by Zheng, Y., Ross, A., Villholth, K., and Dillon, P. In Press. (6 pp.)
- Cruz Ayala, M.B. and Megdal, S.B. (2019) Use of Managed Aquifer Recharge to Improve Water Management in Arid and Semi-Arid Regions of Mexico (Extended Abstract), in Enrique Fernández Escalante, Ed. *Proceedings of the International Symposium on Managed Aquifer Recharge (ISMAR 10) Managed Aquifer Recharge: Local solutions to the global water crisis*, pp. 192-195. <https://www.ismar10.net/en/2019/11/04/ismar-10-proceedings-book-release/>.
- Tapia-Villaseñor, E.M., Shamir, E., Megdal, S.B., and Petersen-Perlman, J.D. (2019) Impacts of Variable Climate and Effluent Flows on The Transboundary Santa Cruz Aquifer, *Journal of the American Water Resources Association*, revision submitted September 2019.
- Megdal, S.B. (2019) Reflections on Spring as a Time for Growth, Weekly Wave Issue, May 17, 2019. <https://wrrc.arizona.edu/reflections-spring-time-growth>
- Megdal, S.B., Reflections on Earth Day 2019 (2019) Special Earth Day Weekly Wave Issue, April 22, 2019. <https://wrrc.arizona.edu/reflections-earth-day-2019>
- Megdal, S.B. (2019) World Water Day Reflections, published via the WRRC Weekly Wave, March 22, 2019. <https://wrrc.arizona.edu/reflections-world-water-day>
- Ghrai, A., Al-Mashaqbeh, O., Sarireh, M.K., AlKose, N, Farfoura, M., and Megdal, S. (2018) Influence of Grey water on Physical and Mechanical Properties of Mortar and Concrete Mixes, *Ain Shams Engineering Journal* 9. pp. 1519- 1525. <https://doi.org/10.1016/j.asej.2016.11.005>. First available on line in 2016.
- Megdal, S.B. and Petersen-Perlman, J.D. (2018) Decentralized groundwater governance and water nexus issues in the United States, *Jurimetrics* 59 (1) (Fall 2018). Pre-publication version available December 19, 2018. Published version will be available in early 2019.
- Akhmouch, A., Clavreul, D., Hendry, S., Megdal, S.B., Nickum, J.E., Nunes-Correia, F., Ross, A., Eds. (2019) *OECD Principles on Water Governance – From Policy Standards to Practice*, Book Version of Special Issue of *Water International*, Routledge, Oxon, UK, 136 pp. ISBN 13: 978-1-138-32976-8.
- Albrecht, T.R., Varady, R.G., Zuniga-Teran, A.A., Gerlak, A., De Grenade, R., Lutz-Ley, A., Martín, F., Megdal, S.B., Meza, F., Ocampo Melgar, D., Pineda, N., Rojas, F., Taboada, R., and Willems, B. (2018) Unraveling transboundary water security in the arid Americas. *Water International* 43 (8) pp. 1075-1113. <https://doi.org/10.1080/02508060.2018.1541583>
- Megdal, S.B. (2018) Reflections on Water Policy: Collected Columns from *Arizona Water Resource*, 2002-2018. Compiled and Published October 2018, 87 pp. https://wrrc.arizona.edu/sites/wrrc.arizona.edu/files/pdfs/PPR-compendium-2018_0.pdf
- Megdal, S.B. (2018) Looking Back . . . Past Columns Shed Light on Current Issues, *Arizona Water Resource* 26 (4), Fall Issue. <https://wrrc.arizona.edu/looking-back-past-columns-shed-light-current-issues>

- Callegary, J.B., Megdal, S.B., Tapia-Villaseñor, E.M., Minjárez-Sosa, I., Petersen-Perlman, J.D., Monreal, R., Gray, F., and Grijalva-Noriega, F. (2018), Findings and lessons learned from the assessment of the Mexico-United States transboundary San Pedro and Santa Cruz aquifers: The utility of social science in applied hydrologic research, *Journal of Hydrology: Regional Studies*, 20 Rivera, A. and Candela, L., eds., Special Issue, pp. 60-73. DOI <https://doi.org/10.1016/j.ejrh.2018.08.002>.
- Megdal, S.B. (2018) Invisible Water: The Importance of Good Groundwater Governance and Management, *npj Clean Water* 1:15, 5 pp. <https://doi.org/10.1038/s41545-018-0015-9>.
- Megdal, S.B. and Petersen-Perlman, J.D. (2018) Groundwater Governance and Assessment in a Transboundary Setting, in Grover, V.I. and Krantzberg, G. (Eds.), *Lake Governance*, CRC Press, Boca Raton, Florida, pp. 40-64. ISBN 9781138633759.
- Megdal, S.B. (2018) Reflections on Change and Continuity in WRRC Outreach, *Arizona Water Resource*, 26 (3), Summer Issue. <https://wrrc.arizona.edu/reflections-change-and-continuity-wrrc-outreach>
- Petersen-Perlman, J.D., Megdal, S.B., Gerlak, A.K., Wireman, M., Zuniga-Teran, A.A., Varady, R.G. (2018) Critical Issues Affecting Groundwater Quality Governance and Management in the United States, *Water* 10 (6) 735, 17 pp. <http://www.mdpi.com/2073-4441/10/6/735>. <http://dx.doi.org/10.3390/w10060735>
- Frisvold, G., Sanchez, C., Gollehon, N., Megdal, S.B., and Brown, P., (2018) Evaluating Gravity-Flow Irrigation with Lessons from Yuma, Arizona, *Sustainability* 10(5), 1548; <https://doi.org/10.3390/su10051548>.
- Megdal, S.B. (2018) The Cooperative Framework for the Transboundary Aquifer Assessment Program: A Model for Collaborative Transboundary Studies, *Water Resources IMPACT* 20 (3), May 2018 Issue, pp. 10-11. ISSN 1522-3175.
- Megdal, S.B. (2018) The Business of Water is Everyone's Business, *Arizona Water Resource* 26 (2), Spring Issue. <https://wrrc.arizona.edu/public-policy-review-business-of-water>
- Akhmouch, A., Clavreul, D. Hendry, S., Megdal, S.B., Nickum, J., Nunes-Correia, F., and Ross, A. (2018) Editors' foreword, *Water International*, 43 (1), Special issue, The OECD Principles on Water Governance: from policy standards to practice, pp. 1-4, DOI 10.1080/02508060.2018.1434139.
- Megdal, S.B. (2018) Learning About Water Policy, *Arizona Water Resource*, 26 (1), Winter Issue. <https://wrrc.arizona.edu/public-policy-review-learning-about-water-policy>
- Megdal, S.B. (2018) Cutting-Edge Solutions to Wicked Water Problems – International Conference Recap, *Water Resources IMPACT* 20 (1), January 2018 Issue, pp. 25, 28.
- Megdal, S.B., Zuniga Teran, A., Varady, R.G., Delano, N. Gerlak, A.G. and Vimont, E.T. (2017) Groundwater governance in the United States: A mosaic of approaches. In *Advances in Groundwater Governance*, ed. by K. Villholth, E. Lopez-Gunn, K. Conti, A. Garrido, and J. van Der Gun. Delft: CRC Balkema. pp. 483-510. ISBN 9781138029804
- Megdal, S.B. (2017) Comparing Experiences and Lessons Learned: The September 2017 International Conference on Cutting-Edge Solutions to Wicked Water Problems, *Arizona Water Resource* 25 (4), Fall Issue. <https://wrrc.arizona.edu/ppr-awr-fall-2017>. Modified version of column published as "Nations connect, learn at 'Wicked Water Problems' conference in Israel, *Arizona Jewish Post*, October 20, 2017. <https://azjewishpost.com/2017/nations-connect-learn-at-wicked-water-problems-conference-in-israel/>.
- Megdal, S.B., Dillon, P. and Seasholes, K. (2017) Bancos de agua: El Manejo de recarga de acuíferos como herramienta para alcanzar los objetivos de política hídrica, in *Manejo de la recarga de acuíferos: Un enfoque hacia Latinoamérica*, Oscar Escolero Fuentes, Carlos Gutiérrez Ojeda, Edgar Yuri Mendoza Cazares, Editors. Jiutepec, Mor.: Instituto Mexicano de Tecnología del Agua, Mexico City, pp. 921-945. (ISBN number pending) <https://www.imta.gob.mx/biblioteca/download/?key=206>
- Megdal, S.B. (2017) The Cooperative Framework for the Transboundary Aquifer Assessment Program: A Model for Collaborative Transborder Studies, *Arizona Water Resource*, 25 (3), Summer Issue, <https://wrrc.arizona.edu/public-policy-cooperative-framework-TAAP>. Spanish version: <https://wrrc.arizona.edu/sites/wrrc.arizona.edu/files/pdfs/pub-pol-rev-spanish-summer-2017.pdf>. Link and short abstract included on page 20 of September 2017 IWRA (International Water Resources Assoc.) Newsletter. <https://mail.google.com/mail/u/0/#inbox/15ecd3510819790a>.
- Megdal, S.B. (2017) Book review, *Transboundary Groundwater Resources: Sustainable Management and Conflict Resolution*, Fried, J. and Ganoulis, J., eds. published in *Groundwater* 55 (5), pp. 701-702. September/October 2017 issue. 017. DOI: 10.1111/gwat.12572.
- Megdal, S.B., Eden, S. and Shamir, E., eds. (2017) Special Issue Book *Water Governance, Stakeholder Engagement, and Sustainable Water Resources Management*, 360 pp., MDPI, Basel, Switzerland. ISBN 978-3-03842-446-8 (print). ISBN 978-3-03842-447-5 (electronic). <http://www.mdpi.com/books/pdfview/book/327>

- Megdal, S.B. (2017) A Spring Full of Productive Activity! *Arizona Water Resource*, 25 (2), Spring Issue. <https://wrrc.arizona.edu/public-policy-spring-full-productive-activity>
- Megdal, S.B., Gerlak, A.K., Huang, L.-Y., Delano, N., Varady, G., and Petersen-Perlman, J.D. (2017) Innovative Approaches to Collaborative Groundwater Governance in the United States: Case Studies from Three High-growth Regions in the Sun Belt, *Environmental Management* 59 (5), pp. 718-735. DOI: 10.1007/s00267-017-0830-7. <http://link.springer.com/article/10.1007/s00267-017-0830-7>.
- Megdal, S.B., Eden, S., Shamir, E. (2017) Water Governance, Stakeholder Engagement, and Sustainable Water Resources Management, Editorial paper for Special Issue of the Same Title, *Water* 9 (3), pp. 190-197. <http://www.mdpi.com/2073-4441/9/3/190>.
- Hullinger, A., Mott Lacroix, K.E., and Megdal, S.B. (March 2017) Conserve2Enhance: Helping Communities Take Action for Water and the Environment, *The Solutions Journal*, 8 (2). <https://www.theolutionsjournal.com/article/conserv2enhance-helping-communities-take-action-water-environment/>
- Megdal, S.B. (2017) Bridging Through Water, *Arizona Water Resource*, 25 (1), Winter 2017 Issue. <https://wrrc.arizona.edu/bridging-through-water>.
- Megdal, S.B. (2017 release of book with 2016 copyright date), Commentary on four case studies, in *Transboundary Groundwater Resources – Sustainable Management and Conflict Resolution*, ed. by J. Fried and J. Ganoulis. Lambert Academic Publishing. pp. 137-138, 172-173, 194-196, 213. (These case study write-ups were prepared as part of a training workshop held at UNESCO, Paris, France, December 2010 but only recently published.)
- Megdal, S.B., Eden, S., Shamir, E., Editors, (Full Issue Finalized in 2017) Stakeholder Engagement, and Sustainable Water Resources Management, Special Issue, *Water*, 20 papers not counting editorial paper spread across multiple volumes, http://www.mdpi.com/journal/water/special_issues/water-gov.
- Alley, W.M., Beutler, L., Campana, M.E., Megdal, S.B., and Tracy, J.C. (2016). Groundwater Visibility: The Missing Link, *Groundwater* 54 (6), pp. 758-761.
- de Chaisemartin, M., Varady, R.G., Megdal, S.B., Conti, K., van der Gun, J., Merla, A., Nijsten, G.-J., and Scheibler, F. (2016). Addressing the groundwater governance challenge—A call from the “Groundwater Governance: A Global Framework for Action” Project (Chapter 11). In *Freshwater Governance for the 21st Century*; ed. by A. Karar. Volume 6 of the series. Global Issues in Water Policy. Springer. pp. 205-227.
- Ghrair, A., Al-Mashaqbeh, O., Sarireh, M.K., AlKose, N, Farfoura, M., and Megdal, S. (2018) Influence of Grey water on Physical and Mechanical Properties of Mortar and Concrete Mixes, *Ain Shams Engineering Journal* 9. pp. 1519- 1525. <https://doi.org/10.1016/j.asej.2016.11.005>. First available on line in 2016.
- Megdal, S.B., and Hamer, G. (2016). Connecting Israeli Water Management and Technological Innovations to Arizona, *The Kachina News*, Fall 2016, pp. 14-16. <https://wrrc.arizona.edu/connecting-israeli-water-management-technological-innovations-az>
- Megdal, S.B. (2016). The Invisible Water, *Arizona Water Resource*, 24 (4), p. 7. <https://wrrc.arizona.edu/the-invisible-water>
- Cesare, K., Jacobs, P, Megdal, S, and Taylor, M. (2016). Help protect Lake Mead and Colorado River water (Opinion), *Arizona Daily Star*, September 19. http://tucson.com/news/opinion/column/guest/opinion-help-protect-lake-mead-and-colorado-riverwater/article_d29fdd83-021c-5b0b-8a60-ed574fa4318f.html.
- Varady, R.G., Zuñiga-Teran, A.A., Gerlak, A.K., and Megdal, S. B. (2016), Modes, approaches, and lessons learned: A survey of selected cases of groundwater governance across the globe, *Water* 8 (10), 417 (24 pp); doi:10.3390/w8100417. <http://www.mdpi.com/2073-4441/8/10/417>.
- Alley, W.M., Beutler, L., Campana, M.E., Beutler, L., Megdal, S.B., and Tracy, J.C. (2016). Making Groundwater Visible, *Water Resources IMPACT*, 18 (5), pp.14-15. <http://www.nxtbook.com/naylor/AWRAS/AWRAS0516/index.php#/14>
- Megdal, S.B. (2016), A New Approach to Raising Water Awareness: Beyond the Mirage, *Arizona Water Resource*, 24 (3), p. 7. <https://wrrc.arizona.edu/beyond-the-mirage>.
- Campana, M.E., Alley, W.M., Beutler, L., Megdal, S.B., and Tracy, J.C. (Fall 2016) The Groundwater Visibility Initiative. International Association of Hydrogeologists U.S. National Chapter, Fall 2016 Newsletter, 18-20. <http://iah-usa.org/download/547>.
- González Villareal, F., Parker, T.K., Chávez Guillen, R., González Cádiz, F., Palma Nava, A. with contributing authors, Alley, W., Bower, R., Dillon, P., Martin, R., Megdal, S., Petrides, A., Ross, A., and Zheng, C. (2016), 4 pp., ISMAR9 Call to Action: Sustainable Groundwater Management Policy Directives, International Symposium on Managed Aquifer Recharge, Mexico City, June 2016. <http://www.ismar9.org/doc/sustainablegroundwatermanagement.pdf>.

- Also available in Spanish: Directrices de política de gestión sostenible de las aguas subterráneas, <http://www.ismar9.org/Doc/DirectricesGestionSostenibleAguasSubterraneeas.pdf>
- Eden, S., Megdal, S.B., and McLain, J. (2016) Potable Reuse of Water: A View from Arizona. *Water Resources IMPACT*, 18 (4), 10-11. <https://wrrc.arizona.edu/sites/wrrc.arizona.edu/files/July-2016-IMPACT-Potable-AZ.pdf>.
- Eden, S., Megdal, S.B., Shamir, E., Chief, K., and Mott Lacroix, K. (2016). Opening the Black Box: Using a Hydrological Model to Link Stakeholder Engagement with Groundwater Management. *Water*, 8(5), 216; doi: 10.3390/w8050216.
- Megdal, S.B. (2016). It's Spring! Time to get out in the field! *Arizona Water Resource*, 24 (2), p. 11. <https://wrrc.arizona.edu/policy-review-its-spring-time>.
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- Roadmap for Considering Water for Arizona's Natural Areas*, Kelly Mott Lacroix, Brittany Xiu, and Sharon B. Megdal, Final Report Submitted to Nina Mason Pulliam Charitable Trust, December 2014.
- Report on Spring 2012 Sabbatical Project, A Comparison of Water Management and Policy Approaches of Three Water-Stressed Regions: Arizona, Israel and Australia, Submitted to the College of Agriculture and Life Sciences, September, 2012.
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- “Desalination Technology in a Binational Context: Systemic Implications for Water, Society, Energy, and Environment in the Arizona-Sonora portion of the U.S.-Mexico Border,” M. Wilder, I. Aguilar Barajas, J. McEvoy, R. Varady, S. Megdal, N. Pineda, and C. Scott, Paper submitted for presentation at the The Puentes Consortium's 3rd Annual Symposium on US-Mexico Border Advancement: Creating a 21st Century Border: Border Technologies, April 26-27, 2012.
- “Groundwater Policy and Governance,” Robert G. Varady, Frank van Weert, Sharon B. Megdal, Andrea Gerlak, Christine Abdalla Iskandar, and Lily House-Peters, with major editing by Emily Dellinger McGovern, February 2012, FAO/Global Environmental Facility, Groundwater Governance: A Global Framework for Country Action, GEF project ID: 3726 — FAO project ID: 608795 — FAO project symbol: GCP /GLO/277/GFF, Thematic Paper No. 5, Commissioned by UNESCO IHP.
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- Innovation of a Water Filter in Gore-Deir Alla Using Jordanian Natural Resources*, grant report to USAID dated 15 February 2012. Submitted by: PI Dr. Ayoub M. Ghrair; USA Expert, Dr. Sharon B. Megdal; and Co-Researchers: Othman Almashaqbaeh, Rana Ardah, Hamad bany Hamad, Tharwa Quteish, Soheil Nosir, Ammany Mahasnah, Ayman Qamoh, Jameel Hadad.
- Arizona Environmental Water Needs Assessment Report*, Joanna Nadeau and Sharon B. Megdal, 2011.
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- Water, People and the Future* Video, Release Date, April 21, 2010, http://www.youtube.com/watch?v=tnFi_T-L13E.
- “Projects to Enhance Arizona's Environment: Piloting a Voluntary Mechanism for Securing Water for Environmental Enhancement Projects, Phase III Report to the U.S. Bureau of Reclamation, with Joanna B. Nadeau, January 2010.
- Keeping Water Knowledge Flowing*, Video about the Water Resources Research Center produced by WebsEdge for the American Water Resources Association National Conference, November 2008.

- Tucson Regional Water Planning Perspectives Study*, with Aaron Lien, Funded by the TRIF Water Sustainability Program through the Water Resources Research Center, May 16, 2008. Posted, www.cals.arizona.edu/azwater. “River Restoration: Arizona’s Oft Neglected Waterways Get Overdue Attention,” *Arroyo*, Winter 2008 (Executive Publisher).
- Evolution and Evaluation of the Active Management Area Management Plans*, with Zachary Smith and Aaron Lien, Prepared with funding from the Arizona Water Institute and the Arizona Department of Water Resources, January 2008. Posted, www.cals.arizona.edu/azwater.
- Water Conservation Banking: Municipal Water Conservation to Support Environmental Enhancement*, with Andrew Schwarz, Prepared with funding from the U.S. Bureau of Reclamation, December 2007. Posted, www.cals.arizona.edu/azwater.
- Layperson’s Guide to Arizona Water*, 2007, Published by the Water Education Foundation and the Water Resources Research Center, multiple staff authors.
- Rapid Watershed Assessments*, April 2007, Prepared with and for the Natural Resource Conservation Service-Arizona, multiple staff authors. Volumes prepared for the following watersheds: Agua Fria; Carrizo Creek; Chevelon Canyon; Detrital Wash; Pantano Wash-Rillito River; San Simon River; and Silver Creek. Available at <http://www.az.nrcs.usda.gov/technical/rwa.html>.
- Water Resource Availability for the Tucson Metropolitan Area*, prepared with funding from the Metropolitan Pima Alliance, July 2006.
- Projects to Enhance Arizona’s Environment: An Examination of their Functions, Water Requirements and Public Benefits*, with Kelly Mott Lacroix and Andrew Schwarz, prepared with funding from the United States Bureau of Reclamation, Assistance Agreement Number 04-FG-32-0270, May 2006. Posted, www.cals.arizona.edu/azwater/.
- Environmental Restoration Projects in Arizona: The U.S. Army Corps of Engineers’ Approach*, Report prepared for the United States Army Corps of Engineers, June 2005.
- Hoover Dam Bypass Bridge Financial Feasibility Study*, (subcontractor to Hagler Bailly Service, Inc.), prepared for the Arizona Department of Transportation and Nevada Department of Transportation, June 2000.
- Transportation Needs Assessment and Funding Options Study* (with Curtis Lueck and Associates), prepared for the Maricopa County Department of Transportation, November 1999.
- Yuma Area Service Highway Funding Study* (with Apogee/Hagler Bailly), prepared for the Yuma Metropolitan Planning Organization, June 1998.
- An Analysis of Private Water Company Recovery of CAP Water and Conservation Program Costs*, prepared for the Phoenix Active Management Area of the Arizona Department of Water Resources, June 1997.
- Picacho Reservoir Multi-Use Project: Augmentation and Groundwater Recharge Analysis*, prepared for the Pinal County Department of Civil Works, December 1996.
- The Pinal County Water Augmentation Authority Plan: A Guide to Water Augmentation Planning for the Pinal Active Management Area* (with SWCA, Inc), prepared for the Pinal County Water Augmentation Authority, October 1995.
- Figgie Crime Report: An Economic Perspective*, with Gerald J. Swanson and Victor Tabbush, 1985.
- School Funding Formulas and Local Expenditures on Education: The Case of New Jersey*, Ph.D. Dissertation, Princeton University, 1981.

PRESENTATIONS, PANELS AND SELECTED MEDIA:

- Featured Discussion Leader**, Water issues in Israel and Arizona, small group dinner sponsored by the Jewish Federation of Greater Phoenix, Scottsdale, AZ, December 4, 2019.
- Speaker**, Tribal water in Arizona and the Colorado River Basin, The National Academies of Sciences, Engineering, Medicine Board on Agriculture and Natural Resources, Ak-Chin Hotel and Casino, Arizona, December 3, 2019.
- Panelist**, Water and Politics, WATEC 2019, Tel Aviv, Israel, November 19, 2019.
- Panel organizer and moderator**, Implementing Technologies Across Borders, WATEC 2019, Tel Aviv, Israel, November 19, 2019.
- Guest Lecture on Arizona Water Policy and the Drought Contingency Plan**, Law Class, Professor Kirsten Engel, November 7, 2019.
- Getting to Yes in Arizona on the Lower Colorado River Drought Contingency Plan**, American Water Resources Association Annual Conference, Salt Lake City, Utah, November 5, 2019.
- Closing Reflections Panel**, Colorado River Conversations: Integrating Science and Identifying Solutions Conference, The University of Arizona, Tucson, Arizona, October 30, 2019.

- Presentation**, Academia's Role in Science Diplomacy-Connecting Regions, Subtitle: Bridging through Water, Conference on Sustainable Development for the Americas: Science, Health and Engineering Policy and Diplomacy, Tucson, AZ, October 25, 2019.
- Presentation**, Water in Region, Metropolitan Pima Alliance Monthly Breakfast Meeting, Tucson, AZ, October 18, 2019.
- Presentation**, Water for Agriculture and Other Water Challenges in the West, National Young Farmer's Alliance, Tucson, AZ, October 4, 2019.
- Presentation**, Institutional Setting for Upper Santa Cruz Watershed Binational Groundwater Assessment, Geological Society of American Annual Conference, Phoenix AZ, September 25, 2019.
- Featured in 50th Anniversary Video and Award Acceptance Remarks on behalf of the University of Arizona**, Arizona Forward's 39th Annual Environmental Excellence Awards and 50th Anniversary Gala, Phoenix, AZ, September 21, 2019. Interview content also featured in *AZBusiness Magazine Special Edition For Arizona Forward*, November-December issue of *AZBusiness Magazine*.
- Presentation**, Report of the Science Committee, Meeting, JNF-University of Arizona-Arava Region Joint Institute for Global Food, Water and Energy Security, Washington, DC, September 12, 2019.
- Video remarks** to attendees of the Arizona Israel Technology Alliance meeting, Phoenix, AZ, September 11, 2019.
- Panelist**, Exploring the Essential Nature of Water for Sustained and Resilient Manufacturing, ASU Congressional Conference on Water, Arizona State University. Tempe, AZ, August 26, 2019; also introduced Congressman Raúl Grijalva, luncheon speaker.
- Presentation**, Water Challenges and Solutions in Arizona and the West, Sustainable Bioeconomy for Arid Regions Summer Education Program, The University of Arizona, Tucson, Arizona, July 9, 2019.
- Presentation**, Water Challenges and Solutions in the West, Research Experience for Undergraduates (REU) Program, University of Arizona, Tucson, AZ, June 14, 2019.
- Presentation**, Colorado River Drought Contingency Planning and What it Means for Municipal, Tribal, and Agricultural Water Users in Arizona, Universities Council on Water Resources (UCOWR) Annual Conference, Snowbird, UT, June 12, 2019.
- Panelist**, Connecting Land and Water: Research in the Colorado River Basin Panel, Overview of the Colorado River Basin Drought Contingency Plans, Universities Council on Water Resources (UCOWR) Annual Conference, Snowbird, UT, June 11, 2019.
- Presentation**, Meeting Arizona's Water Needs, The Graduate Club, Tucson, AZ, May 8, 2019.
- Keynote Presentation**, Challenges and Opportunities to Moving to a New Paradigm of Water Governance, National Autonomous University of Mexico (UNAM), Special Sustainability Conference, Mexico City, MX, May 7, 2019.
- Presentation**, A Water Management Overview with a focus on the CAGR, Green Valley-Sahuarita Association of Realtors, Green Valley, AZ, April 23, 2019.
- Opening Ceremony Remarks and Keynote Presentation**, Water Management Challenges, Pathways to Solutions, and Collaboration Opportunities, International Workshop on Sustainable Development of Arid Lands Workshop Organized by the Prince El Hassan bin Talal Faculty of Arid Lands at the Hashemite University under the Patronage of HRH Prince El Hassan bin Talal, Hashemite University, Zarqa, Jordan, April 14, 2019.
- Keynote Presentation**, The Transboundary Aquifer Assessment Program as a Model for Multi-Level Collaboration, Binational Summit on Groundwater at the U.S.-Mexico Border, Convened by the International Boundary and Water Commission, El Paso Texas, April 10, 2019.
- Opening Remarks and Panelist**, Perspectives on Policy, Desert Waters International Symposium, Convened by University of Arizona Water Resources Research Center and Sky Island Alliance, Tucson, AZ, April 2, 2019.
- Presentation**, Water Challenges in the Lower Colorado River Basin and the Drought Contingency Plan, Utah State University Spring Runoff Conference, Logan, UT, March 26, 2019.
- Presentation**, About the water policy and management work of the WRRC, Western States Water Council Water Resources Committee, Chandler, AZ, March 21, 2019.
- Seminar Presentation**, Issues in Groundwater Governance and Management, Hydrology and Atmospheric Sciences Seminar, University of Arizona, March 14, 2019.
- Presentation**, Arizona Water 101, Briefing on water provided to Arizona delegation staff, WEST Center, University of Arizona, March 14, 2019.
- Presentation**, Water Supply and Policy in the Southwest, Splendido Intellectual Pursuits Program, Oro Valley, AZ, March 8, 2019.
- Presentation**, Reclaimed Water as a Way to Stretch Limited Water Supplies, Tribal Water in the Southwest Conference, Law Seminars International, Laveen, AZ, March 7, 2019.

- Presentation and Discussion**, Pinal County Agriculture and Colorado River Drought Planning, University of Arizona SBAR Project Team, Tucson, AZ, February 20, 2019.
- Class Guest Lecture**, Issues in Water Resources, University of Arizona AED 150, Tucson, AZ, February 20, 2019.
- Presentation**, Water Issues of the Tucson Region, Retired Members of the Tucson Education Association, Tucson, AZ, February 19, 2019.
- Seminar**, Issues in Groundwater Governance and Their Relationship to Graduate Student Training, Department of Soil, Water and Environmental Science Colloquium, University of Arizona, Tucson, AZ, January 14, 2019.
- Session Organizer and Moderator, Introductory Remarks**, Israeli and U.S. Water Technology: Versatile Solutions for Colorado River Challenges, Wednesday Colloquium, Colorado River Water Users Association Annual Conference, "No Shortage of Concern: Beyond the Shadow of Drought", Las Vegas, NV, December 12, 2018.
- Moderator**, Drought and Other Challenges: How is Arizona Going to Meet Future Water Demand: "Shortage is the New Normal", Water In Arizona: Past, Present and Future Forum, Hosted by the Sandra Day O'Connor Institute and Valley Forward, Tempe, AZ, December 7, 2018.
- Participant**, "Jewish National Fund Joint Institute for Global Food, Water, and Energy Security – From Vision to Action Seminar", Arava Region, Israel, November 26-29, 2018.
- Video interview**, Featured in WebsEdge video on The University of Arizona, Water and Energy Sustainable Technology (WEST) Center, Released 2018 MRS Fall Meeting & Exhibit, November 25, 2018.
<https://www.youtube.com/watch?v=QZXO8yNxc3M&list=PLGVe6BxyFHNU7o4h826qPIPRkEsPf8Rcd&index=8>
- Panelist**, Quarterly meeting of the Tucson Regional Water Coalition, Southern Arizona Leadership Council office, Tucson, AZ, November 13, 2018.
- Panelist**, Benefits and Challenges of Delivering Interdisciplinary Graduate and Undergraduate Education in Water Resources, American Water Resources Association Annual Conference, Baltimore, MD, November 6, 2018.
- Presentation**, Managed aquifer recharge, agriculture, and what Colorado River shortage conditions mean for Arizona, American Water Resources Association Annual Conference, Baltimore, MD, November 5, 2018.
- Speaker**, Plenary Session, Israel Water Challenges and Opportunities, Jewish National Fund National Conference, Phoenix AZ, October 28, 2018.
- Panelist**, Water Task Force Meeting (October 27, 2018) and Arava Project meeting (October 28, 2018), Jewish National Fund National Conference, Phoenix, AZ.
- Panelist and Moderator**, The International Boundary and Water Commission: Significance, Major Milestones, Future, Workshop on Binational Water Relations at 75 years: Retrospectives, Resilience, and US-Mexico Border Water Resources Governance, University of Arizona, Tucson, AZ, October 15, 2018.
- Presentation**, Groundwater Governance and Management Research: Connecting Researchers and Practitioners, UCOWR Invited Lecture, Southern Illinois University, Carbondale, IL, September 25, 2018.
- Presentation**, The Role of the Central Arizona Project and Long-term Drought Conditions, Green Valley League of Women Voters, Green Valley, AZ, September 14, 2018.
- Welcoming remarks**, Cobre Valley, AZ Small Town Water Forum, Miami, AZ, September 6, 2018.
- Presentation**, The Joint Cooperative Framework for the Transboundary Aquifer Assessment Program. American Water Resources Association Summer Specialty Conference. The Science, Management and Governance of Transboundary Groundwater, Ft. Worth, TX. July 9, 2018. Also presented a lightning talk on the special session on the Transboundary Aquifer Assessment Program.
- Lightning talk**, Groundwater Governance and Transboundary Aquifer Assessment, UCOWR-NIWR Water Resources Conference, Pittsburgh, PA, June 25, 2018.
- Briefing presentation**, Arizona and the Tucson Region's Water Management Successes and Challenges, Delegation from South Africa Water Research Commission, WRRC, Tucson, AZ, June 15, 2018.
- Presentation**, Dealing with a 'Secret, Occult and Concealed' Resource: The Governance Conundrum (Day 1), and participant in the concluding panel discussion (Day 2) on Envisioning the Future of Groundwater Management, Getches-Wilkinson Center for Natural Resources, Energy, and the Environment Martz Summer Conference on What Lies Beneath: Reasons to Care (and be Excited) About Groundwater Use and Management in the Southwest, Boulder, CO. June 7-8, 2018.
- Presenter and workshop participant**, World Bank-OECD Workshop on Facilitating Policy Change towards Sustainable Water Use in Agriculture. Day 1 Presentation: Core Drivers to Changing Agricultural and Water Policies in the Western United States. Day 2 Presentation: Wrap-up presentation for the opening panel on Core Drivers to Changing Agricultural and Water Policies. Washington, DC, May 29-30, 2018.

- Presentation**, Groundwater Governance and Management Research: Connecting Researchers and Practitioners, The Water Institute WaterTalks, University of Waterloo, Canada, April 10, 2018. Video available at <https://www.youtube.com/watch?v=JV9xwPFxq-Y>
- Presentation**, Arizona Challenges – Water, League of Women Voters, Tucson, AZ, March 17, 2018.
- Presentation**, The Role of Managed Aquifer Recharge in Meeting the Statutory Requirements of the Central Arizona Groundwater Replenishment District, with Jessica Fox, Biennial Symposium on Managed Aquifer Recharge 16, San Diego, CA, March 6, 2018.
- Presentation**, Water issues of commonality between the Semi-arid Southwest and Jordan, Delegation from Jordan, U.S. Department of State International Visitor Leadership Program, University Partnerships – A Project for Jordan. Tucson, Arizona, March 1, 2018.
- Presentation**, The Transboundary Aquifer Assessment Program (TAAP): A Cooperative Effort of the United States and Mexico, Global Environmental Facility with discussant from the World Bank, Washington, DC, February 28, 2018.
- Presentation (co-presenter)**, UCOWR/NIWR partnership, National Institutes for Water Resources Annual Meeting, Washington, DC, February 26, 2018.
- Presentation**, Desalination in Israel, Multi-State Salinity Coalition (MSCC) 2018 Annual Salinity Summit, Las Vegas, NV, February 8, 2018.
- Presentation**, Overview of the Central Arizona Groundwater Replenishment District, House Energy, Environment, and Natural Resources Committee, Arizona State Legislature, Phoenix, AZ, January 16, 2018. (In role as Chair, Central Arizona Project Board CAGR and Underground Storage Committee.)
- Paper presentation**, Decentralized groundwater governance and addressing water nexus issues in the United States, “Rethinking Law in a Nexus Future: Governing energy, water, food and climate challenges” workshop, Sandra Day O’Connor College of Law, Arizona State University, Phoenix, AZ, January 11, 2018.
- Speaker**, Water as a Bridge and a Barrier to Resolving Israeli-Palestinian Conflicts, Harvard Club of Tucson, AZ, December 10, 2017.
- Speaker**, Update on the Transboundary Aquifer Assessment Program, Environment & Water Committee, Arizona-Mexico Commission, Puerto Peñasco, Sonora, MX, November 30, 2017.
- Speaker**, Developing meaningful partnerships at home and abroad: The importance of networking, communicating, and volunteering, American Water Resources Association Annual Conference, Portland, OR, November 8, 2017.
- Speaker**, On the challenges of gaining a comprehensive understanding of U.S. groundwater governance and management, American Water Resources Association Annual Conference, Portland, OR, November 6, 2017.
- Speaker**, Perspectives on Water Scarcity and Abundance, Lightning Plenary Session, American Water Resources Association Annual Conference, Portland, OR, November 6, 2017.
- Live Blog Interview**, Water Policy: Challenges & Solutions, Mrs. Green’s World, Down to Earth Weekly Segment, November 1, 2017. <https://www.mrsgreensworld.com/2017/11/01/water-policy-challenges-solutions-2/>
- Speaker**, Wicked Water Problems and the International Relevance of Arizona Water Management, Southern Arizona Water Users Association (SAWUA) Water Issues in Southern Arizona forum, Tucson, AZ, October 20, 2017.
- Panelist**, Cultural, Legal, and Institutional Issues, Colorado River: Building a Science Agenda Workshop, University of Arizona, Tucson, AZ, October 11, 2017.
- Panelist**, Connecting through the WRRC and also program Moderator, TRIF-WEES Faculty Networking Event, University of Arizona, Tucson, AZ, October 9, 2017.
- Conference Co-Chair, Moderator, and Presenter**. Cutting-Edge Solutions to Wicked Water Problems. Joint conference of the American Water Resources Association and The Water Research Center at Tel Aviv University. Tel Aviv, Israel, September 10-11, 2017. **Opening Remarks and Plenary Moderator for Opening and Closing Plenary Sessions. Presentation 1:** Reuse of Grey Water for Non-domestic Uses in Jordan, with co-authors Ayoup Ghrair, Othman Al-Mashaqbeh. **Presentation 2:** The Cooperative Framework for the U.S.-Mexico Transboundary Aquifer Assessment Program: A Model for Collaborative Transborder Studies. **Moderator for screening and discussion**, Beyond the Mirage documentary movie.
- Panelist**, From scarcity to abundance: New perceptions about water value, WATEC 2017, Tel Aviv, Israel, September 12, 2017.
- Beyond the Mirage Screening and Discussion**, Pacific Beach Public Library, hosted by the Bureau of Reclamation, San Diego, CA, August 1, 2017.
- Speaker**, Everyone is a Water Stakeholder: A Call for Water Stewardship, First National Leadership Women Conference, Dallas, TX, July 28, 2017.

- Workshop Presentation**, The Transboundary Aquifer Assessment Program: The Importance of the Joint Cooperative Framework, Sierra Vista workshop on the *Binational Study of the Transboundary San Pedro Aquifer*, Sierra Vista, June 20, 2017.
- National Water Conference of the Universities Council on Water Resources (UCOWR)**, Chair of the annual conference and organizer or co-organizer of several sessions. Conference Title: Water in a Changing Environment, Moderator of two plenary sessions. Ft. Collins, CO, June 13-15, 2017.
- Presentation**, Challenges of Interdisciplinary Graduate and Undergraduate Programs in Water Resources, UCOWR Annual Conference, Ft. Collins, CO, June 14, 2017.
- Presentation**, Groundwater utilization trends by Central Arizona agriculture and results of state groundwater surveys, UCOWR Annual Conference, Ft. Collins, CO, June 13, 2017.
- Session Chair and Rapporteur**, Regular Session 18, Water Policy and Governance, World Water Congress XVI, Cancun, Mexico, May 31, 2017.
- Presentation**, The Joint Cooperative Framework for the Transboundary Aquifer Assessment Program, Part 2 of three-part Special Session on Shared Waters of North America, World Water Congress XVI, Cancun, Mexico, May 30, 2017.
- Panel Moderator**, High-level panel on Shared Waters of North America, Part 3 of three-part Special Session on Shared Waters of North America, World Water Congress XVI, Cancun, Mexico, May 30, 2017. **Co-convenor/organizer of the Special Session on Shared Waters of North America.**
- Panelist**, Special Session on the OECD Water Governance Initiative, World Water Congress XVI, Cancun, Mexico, May 29, 2017.
- National Media**, “Impending global water crisis will change how you live” segment, 'The Property Man' Bob Massi investigates, Fox Business Network, Aired May 19, 2017 (interview filmed February 3, 2016), available http://video.foxbusiness.com/v/5441437192001/?playlist_id=937116503001 (accessed May 21, 2017)
- Webinar**, Groundwater Governance and Management in the U.S., American Water Resources Association (AWRA.org), May 17, 2017.
- Speaker**, International Relevance of Arizona Water Management, HDR Arizona Municipal Utilities Leadership Institute Forum, Show Low, Arizona, May 11, 2017.
- Speaker**, Bridging Through Water: Israel as an Innovator in Water Management and Technology, Gertrude and Fred Rosen Memorial Lecture, Weintraub Israel Center and Tucson Jewish Community Center, Tucson, AZ, May 7, 2017.
- Panelist and Participant**, Global Freshwater Issues and Desalination, for ASU Origins Project, The Coming Water Wars...and how to avoid them, Arizona State University, Tempe, AZ, April 28-29, 2017.
- Speaker**, Beyond the Mirage: A look at our region’s water management successes and challenges, Tucson Rotary, Tucson, AZ, April 26, 2017.
- Facilitator**, Lower Santa Cruz River Basin Study, Meeting of the External Stakeholder Group, Tucson, AZ, April 24, 2017.
- Speaker**, Israel’s Shared Borders and Shared Waters: Water as a Bridge and a Barrier, Arizona Center for Judaic Studies Duchin Lecture Series, University of Arizona, Tucson, AZ, April 19, 2017.
- Panelist**, Workshop on Alternatives to Permanent Following of Agricultural Land: What’s Feasible for Colorado River Lower Basin States, by Colorado State University, Tucson, AZ, March 29, 2017.
- Conference Convener and Closing Panel Moderator**, Irrigated Agriculture in Arizona: A Fresh Perspective, Water Resources Research Center Annual Conference, University of Arizona, Tucson, AZ, March 28, 2017. Interviewed for KOLD TV coverage, which aired on KOLD and FOX on March 28, 2017.
- Panelist**, Desalination as a component of Jordan’s water supply portfolio, Water Issues in the Jordan Valley and Beyond, Center for Middle Eastern Studies, The University of Arizona, Tucson, AZ, March 20, 2017.
- Panelist**, Desalination in Arizona’s Water Management Portfolio – An International Perspective, ASU Kyl Center Leaders Roundtable luncheon on the Future of Desalination, Phoenix, AZ, March 10, 2017.
- Speaker**, Beyond the Mirage and Water Management in Israel and the Tucson Region, Saddlebrooke Israel Friendship Club, Saddlebrooke Community, Arizona, March 6, 2017.
- Short Presentations**, (1) Update on NIWR-UCOWR Partnership and (2) Engaging in global water policy dialogues, NIWR Annual Meeting, Washington, DC, February 28, 2017.
- Briefing**, The Role of Recharge in Meeting Water Policy Objectives in Arizona USA, Briefing for water officials from Sonora, MX, Delivered via Go-to-Meeting, February 17, 2017.
- Speaker and Moderator**, Water, Environmental, and Energy Solutions Program (WEES) Funding and Equipment Opportunities, University of Arizona, Tucson, AZ, February 15, 2017.

- Panelist**, The WRRC and water issues in our region, Undergraduate Biology Research Program, University of Arizona, Tucson, AZ, February 15, 2017.
- Speaker**, Beyond the Mirage and its Connection to Water Management in Israel, Temple Emanu-El Adult Education Academy, Tucson, Arizona, February 5, 2017.
- Speaker**, The WRRC and water issues in our region, Pima County Development Services Brown Bag, Tucson, AZ, February 1, 2017.
- Speaker**, Current State and Regional Water Issues, Tucson Regional Water Coalition, Tucson, AZ, December 13, 2016.
- Speaker**, Connecting Israeli Water Management and Technological Innovations to U.S. Water Management, JNF Program, Israel H2O, A tour of Israel's Water Solutions, Ramot, Israel, December 2, 2016.
- Keynote Speaker**, Groundwater Invisibility and Decentralized Governance: The role of science in informing groundwater policy, Session on "Groundwater – How can we manage the commons under uncertainty?" of the Science-Technology Forum of the Budapest Water Summit, Budapest, Hungary, November 29, 2016.
- High Level Panel Moderator**, Basin Commissioners and Basin Representatives, and **Panelist**, Stakeholder Insights Panel on the Lower Jordan River, EcoPeace Middle East Annual Conference, Water Security and Sustainable Development for our Common Future, Dead Sea, Jordan, November 23, 2016.
- Presentation**, Regional Approaches to Improving Integrated Surface Water and Groundwater Management, AWRA Annual Conference, Orlando, FL, November 14, 2016.
- Presentation**, Desalination in Israel, Desalination Committee, Governor's Water Augmentation Council, Phoenix, Arizona, November 9, 2016.
- Speaker**, Bringing Clarity to a Murky Regulatory Environment on Water, Arizona Farm Bureau Annual Meeting, Litchfield Park, AZ, November 3, 2016.
- Opening Keynote Speaker**, Groundwater Governance and Management, American Geosciences Institute's 2016 Critical Issues Forum, Addressing Changes in Regional Groundwater Resources: Lessons from the High Plains Aquifer, Hosted by the Colorado School of Mines Payne Institute for Earth Resources Golden, CO, October 27, 2016. Final report of the workshop posted in September 2017 at <http://crm.americangeosciences.org/sites/all/modules/civicrm/extern/url.php?u=3336&qid=2106328>.
- Speaker and Panelist**, Water Challenges and Solutions in the West, Webinar on Water is for Fighting Over, and other myths about water in the west, Hosted by Security and Sustainability Forum and Island Press, October 24, 2016.
- Speaker**, Water and the West, Living Building Challenge: the Sonoran Collaborative, Tempe, AZ, October 20, 2016.
- Keynote Presentation**, Water Management and Changing Climate, and also **Panelist**, U.S. Climate Change Policies. Conference on El mundo después de París: construyendo el future, University of Sonora, Hermosillo, Sonora MX. October 18, 2016.
- Presentation**, Working together to address Arizona water resource challenges, La Posada at Park Centre, Green Valley, AZ, October 7, 2016.
- Presentation**, A Survey of Groundwater Governance and Management Strategies, Challenges, and Opportunities Connected to Water Quality: Preliminary Results, with Andrea Gerlak and Ethan Vimont, Groundwater Protection Council Annual Forum, State Water Sustainability Planning: The Groundwater Connection, Orlando, FL, September 12, 2016.
- Presentation**, Using Recharge and Recovery to Meet Water Management Objectives in Arizona, Groundwater Protection Council Annual Forum, State Water Sustainability Planning: The Groundwater Connection, Orlando, FL, September 13, 2016.
- Class Guest Lectures (2)**, "Arizona Water". University of Arizona. MNE 422 Engineering Sustainable Development, September 6, 2016. ARC561a, Water Efficiency in the Built Environment, September 8, 2016.
- Panelist**, Water Partnerships: Collaborating to Create and Use Water Information, National Conversation on Integrated Water Information for the 21st Century, in Washington, DC, July 13, 2016.
- Presentation**, Groundwater Governance in the USA, with a focus on Arizona Agriculture, Toward Sustainable Groundwater in Agriculture - An International Conference Linking Science and Policy, San Francisco, CA, June 30, 2016.
- Presentation**, Meeting Water Management Objectives through Water Storage and Recovery in Arizona, USA, International Symposium on Managed Aquifer Recharge (ISMAR9), Mexico City, MX, June 21, 2016.
- Presentation**, Working together to address Arizona water resource challenges, Yuma Center of Excellence for Desert Agriculture, Yuma, AZ, June 15, 2016.

- Keynote Presentation**, Renewing Our Commitment to Water Stewardship, Leadership America, Session 2, Scottsdale, AZ, June 12, 2016.
- Presentation**, Arizona Water Management, Visitors from Mendoza, Argentina Irrigation Agency, Tucson, AZ, June 4, 2016.
- Panel member and moderator**, Connecting Israeli Water Management and Technological Innovations to Arizona, AzWater Association Annual Conference, Glendale, AZ, May 11, 2016.
- Presentation**, The Central Arizona Groundwater Replenishment District and Related Issues, Tucson Regional Water Coalition, Tucson, AZ, May 10, 2016.
- Presentation**, Policy, Governance, and Engagement, Groundwater Visibility Initiative Workshop, cosponsored by the National Groundwater Association and the American Water Resources Association, Denver, CO, April 28, 2016. (Also served on the Workshop Steering Committee.)
- Presentation**, Using Recharge and Recovery to Meet Water Management Objectives in Arizona, National Groundwater Association Annual Summit, Denver, CO, April 27, 2016.
- Panelist**, Southern Arizona Leadership Council Membership Meeting, CAP Board Member panel, April 20, 2016.
- Featured in-film expert**, *Beyond the Mirage: The Future of Water in the West*, full feature documentary film, premiered KUAT, PBS 6, Tucson, AZ, April 15, 2016.
- Post-film panelist**, shown at the end of *Beyond the Mirage: The Future of Water in the West*, premiered KUAT, PBS 6, Tucson, AZ, April 15, 2016.
- Panelist**, Final panel on research and policy, No One is Immune Social Justice, Climate, & Health Symposium, Mel and Enid Zuckerman College of Public Health, The University of Arizona, March 15, 2016.
- Panelist**, Beyond the Mirage, panel discussion aired as part of 90-minute Beyond the Mirage documentary. Panel filmed at KUAT PBS Channel 6, Tucson, AZ, April 4, 2016; premier of documentary, KUAT, April 15, 2016.
- Panelist**, The Future of Hydrologic Education, Hydrology: The Next 50 Years symposium, Tucson, AZ, April 2, 2016.
- Panelist**, Arizona Town Hall Tucson Community Outreach Program, Keeping Arizona's Water Glass Full, Tucson, AZ, March 23, 2016.
- Conference Moderator, Panel Moderator**, #AZwaterfuture: Tech, Talk, and Tradeoffs, Water Resources Research Center Annual Conference, March 21, 2016, Tucson, AZ.
- Presentation**, Water Banking and Arizona's Framework for Groundwater Recharge and Recovery, with Ken Seasholes, Water Resources Research Center Brown Bag Seminar, March 10, 2016.
- Reflections on NIWR Presidency 2014-15**, Annual Meeting, National Institutes for Water Resources (NIWR), Washington, DC, February 8, 2016.
- Interview**, Fox Network for The Property Man show, interview conducted in Phoenix, Arizona by Jennings Grant, February 3, 2016.
- Prospering with Limited Water Supplies: The Case of Israel**, Operations and Management Workshop, Sponsored by *Irrigation Leader* Magazine, Phoenix, AZ, January 28, 2016.
- Interview for independent documentary film, Our Desert Farms**, Anna Augustowska, filmmaker, Tucson, AZ, December 11, 2015.
- Interview for Beyond the Mirage web experience and documentary film**, Cody Sheehy, filmmaker, Tucson AZ, December 4, 2015.
- Presentation**, Sustainable Water Use in the Arid Southwest, Renewable Natural Resources Foundation Congress on Sustaining Western Water, Washington, DC, December 1, 2015. (65) Available <http://www.rnrf.org/2015cong>.
- Presentation**, Drought, Shortage, and Closing the Projected Gap in Water Supply and Demand, Marana Chamber of Commerce, Marana, AZ, November 25, 2015. (30)
- Remarks**, Water Resource Planning and Opportunities, WEST Center Grand Opening Morning Program, Agua Nueva Water Reclamation Facility, Tucson, AZ, November 20, 2015. (25)
- Panelist**, Authors' Panel, Arizona Town Hall on Water: Keeping Arizona's Water Glass Full, Mesa, AZ, November 16, 2015. (175)
- Presentation**, Partnering with Universities and the National Institutes for Water Resources (NIWR) Network, American Water Resources Association Leadership Institute, Denver, CO, November 11, 2015. (22)
- Presentation**, Drought, Shortage, and Closing the Gap Between Water Supply and Demand, Environmental Law Society, James E. Rogers College of Law, University of Arizona, November 10, 2015. (25)
- Presentation**, Addressing Water Management Challenges in Tucson and Regionally, University of Arizona Campus Community Relations Committee, Tucson, AZ, November 10, 2015. (25)
- Forum Organizer and Panel Moderator**, Sustainable Water for Southern Arizona: Current Conditions and Future Prospects, Leo Rich Theater, Tucson, AZ, November 6, 2015. (200)

- Speaker**, Drought, Shortage, and Closing the Gap in Water Supply and Demand in the Colorado River Basin and in Arizona, University of Arizona Federal Relations Office Briefing for Arizona-based congressional staff, WEST Center, Tucson, AZ, November 5, 2015. (20)
- Speaker-Panelist**, A Drop to Drink: A Case study in Resolving Water Scarcity and Quality Issues, with Dr. Miki Haran. Sponsored by the Israel Public Diplomacy Forum and the Kyl Center for Water Policy at the Morrison Institute, ASU, Phoenix, Arizona, November 2, 2015. (50)
- Presentation**, Addressing changing water conditions in the Southwestern United States, SUEZ Water Reuse Symposium for French Journalists, West Basin Municipal Water District, CA, October 30, 2015. (15)
- Presentation**, Issues and Opportunities for Demand-side Management, Western Water Conference Water Management Strategies for Addressing Long-Term Drought and Climate Uncertainty, Salt Lake City, UT, October 29, 2015. (100)
- Presentation**, Efforts to Close the Gap Between Water Supply and Demand in the Colorado River Basin, WATEC 2015, Session on Management of National Water Systems in Arid Regions, Tel Aviv, Israel, October 13, 2015. (75)
- Presentation**, Mechanisms for Transboundary Cooperation at the United-States Mexico Border, AGAM International Conference, Critical Issues in Water Policy and Technology in the 21st Century, October 12, 2015. (45)
- Radio Interview**, KXCI Radio, Tucson, Arizona, October 7, 2015. Podcast URL: kxci.org/2015/10/fathoming-water-episode-1-dr-sharon-megdal-2/
- Guest Lecture**, Considering Groundwater Governance and Management at the Local, National, and International Levels, Environmental Law Class (Law 669, Professor Kirsten Engel), James E. Rogers College of Law, Tucson, AZ, September 10, 2015. (12)
- Presentation**, Water Management Issues, Pima County Staff Water Summit, Tucson AZ, September 9, 2015. (30)
- Presentation**, Water Banking: The Role of Recharge & Recovery in the Mitigation of Colorado River Shortages to Arizona, with Ken Seasholes, Arizona Water Law CLE International, Scottsdale, AZ, August 21, 2015. (120)
- Speaker**, Water Challenges and Solutions in Arizona, 2015 Extension Conference, College of Agriculture and Life Sciences, The University of Arizona, Tucson, AZ, August 5, 2015. (150)
- Moderator**, Colorado River Water Management, opening plenary session, UCOWR-NIWR-CUASHI Annual Conference, Las Vegas, NV, June 16, 2015. (150)
- Conference Moderator**, University of Arizona Water Resources Research Center Annual Conference, Indigenous Perspectives on Sustainable Water Practices, in collaboration with the Gila River Indian Community, Wild Horse Pass Hotel and Casino, Chandler, Arizona, June 9-10, 2015. (335)
- Briefing for Congresswoman Martha McSally**, "The UA WRRC: Our federal role, water issues, and an overview of our programs," WRRC, The University of Arizona, Tucson, AZ, May 29, 2015. (8)
- KJZZ (Phoenix NPR) Interview**, two features based on multiple interviews with reporter Will Stone. "As Colorado River Shortage Looms, Arizona Water Managers Look Elsewhere," May 28, 2015. <http://kjzz.org/content/145015/colorado-river-shortage-looms-arizona-water-managers-look-elsewhere>. "Water Worries Renew Questions About Future Of Growth In The Phoenix Area," June 12, 2015. <http://kjzz.org/content/151790/water-worries-renew-questions-about-future-growth-phoenix-area>. (Approximately 20,000)
- Magazine Feature**, "Arizona Women Leading Water Conservation Campaigns", Green Living Magazine, May 2015, p. 9. Available, <http://www.greenlivingaz.com/2015/05/12/az-women-water-conservation/#more-20599>. (78,000)
- Panel Moderator**, Restoration of the Colorado River Delta: One Year After, University of Arizona, April 14, 2015. (100)
- Featured Speaker**, Keeping Our Water Glass Full, Arizona NOW, the Campaign for the University of Arizona, Denver area alumni event, Denver Colorado, April 16, 2015. (35)
- Forum Moderator and Panelist**, Water Policy Forum: Arizona Solutions to Colorado River Supply Challenges convened by U.S. Senator Jeff Flake, University of Arizona, April 10, 2015. (250)
- Webinar Panelist and Presenter**, One Size Doesn't Fit All: Why Variation in Hydrology and Legal Structures means that Drought Looks Different across the West "Arizona Water Management and Colorado River Drought", Western Governors' Association Drought Forum Webinar Series, April 8, 2015. Available at <http://www.westgov.org/drought-forum/webinars>. (150)
- Oral Testimony**, U.S. House of Representatives Committee on Appropriations, Subcommittee on Interior, Environment, and Related Agencies, presented on behalf of the National Institutes for Water Resources, Washington, DC, March 18, 2015.

- Presentation**, Water Management in Arizona and the Colorado River Basin, Breakfast Club of Tucson, March 3, 2015. (50)
- Brief Presentation and Response to Questioning**, “Water Resource Management Challenges in a Time of Changing Climate,” Institute on Science for Global Policy Conference, Living With Less Water, Tucson Arizona, February 20, 2015. (85)
- Presiding Officer (President)**, National Institutes for Water Resources Annual Meeting, Panelist and Moderator, Various sessions, Washington, DC, February 9-11, 2015. (75)
- Presentation**, Challenged but Unbroken: Water Management in Arizona, the Colorado River Basin and Beyond, Yale Club of Southern Arizona, Tucson, AZ, February 6, 2015. (Attendance 120)
- Presentation**, Bridging waters: Good water stewardship in Arizona, Israel and beyond, Congregation Anshei Israel Education Program, Tucson, AZ, February 4, 2015. (Attendance 50)
- Presentation**, Water Management Challenges and Solutions in Water-Scarce Regions: Focus on Agriculture, presented to Women in Agriculture visitors from Pakistan, Tucson, Arizona, December 8, 2014.
- Presentation**, “Water Management Innovations in Water Scarce Regions,” Hadassah of Southern Arizona luncheon, Tucson, Arizona, December 7, 2014.
- Radio Interview**, “Arizona and the Negev: An aquifer runs through them,” Gilad Halpern Interviewer for TLV1 Radio, Tel Aviv, Israel, Interviewed on November 21, 2014. This approximately 20 minute interview aired on November 28, 2014. Podcast at <http://tlv1.fm/the-tel-aviv-review/2014/11/29/arizona-and-the-negev-an-aquifer-runs-through-them/>.
- Presentation**, Stakeholder Engagement and Improving Governance and Management of Water Resources, 4th Meeting of the OECD Water Governance Initiative, Paris, France, 24 November, 2014.
- Presentation**, Transboundary Aquifer Assessment at the United States-Mexico Border, Drylands, Deserts and Desertification Conference, Ben Gurion University of the Negev, November 20, 2014.
- Presentation**, Connecting Climate Change and Surface Water Flows to Aquifer Recharge and Groundwater Management, Sharon B. Megdal (Presenter) and Eylon Shamir, Drylands, Deserts and Desertification Conference, Ben Gurion University of the Negev, November 17, 2014.
- Panelist**, Arizona’s Water Future, Morrison Institute for Public Policy State of Our State Conference, Phoenix, AZ, November 14, 2014.
- Presentation**, Contributing to a Transatlantic Dialogue on Water: Solutions Development and Implementation, 5th SWAN Progress Meeting-Workshop “Towards a Framework for a Transatlantic Dialogue on Water: What Role for The University of Arizona?” Tucson, AZ, November 10, 2014.
- Panelist**, Agriculture, Water and Families: CALS and the Norton Legacy, The Norton School of Family and Consumer Science Council of Alumni and Friends Annual Homecoming Luncheon and Awards, The University of Arizona, November 7, 2014.
- Poster Presentation**, USGS and NIWR – A Model Partnership, S. B. Megdal, B. Haggard, and E. Greene, American Water Resources Association Annual Conference, Tyson’s Corner, VA, November 3-6, 2014.
- Presentation**, Stakeholder Engagement Practices of the Arizona Water Resources Research Center, Special Session on the 50th Anniversary of the Water Resources Research Act, American Water Resources Association Annual Conference, Tyson’s Corner, VA, November 4, 2014.
- Presentation and Session Moderator**, An Overview of the Water Resources Research Act and the National Institutes for Water Resources (NIWR), Special Session on the 50th Anniversary of the Water Resources Research Act, American Water Resources Association Annual Conference, Tyson’s Corner, VA, November 4, 2014.
- Presentation**, Water Management Challenges of Water-Scarce Regions: Focus on Israel and Jordan, Center for Middle Eastern Studies teachers' program "Environmental Issues in Latin America and the Middle East," Biosphere II, November 1, 2014.
- Presentation**, Water Management Challenges and Solutions in Water-Scarce Regions: Focus on Agriculture, Symposium on Arid Lands Agriculture, Panel on Technologies and the Politics of Water, Tucson, AZ, October 30, 2014.
- Keynote Lecture**, Thirsty Rivers in Water-Scarce Regions: Experiences from the Colorado River, International Conference on the Rehabilitation of the Lower Jordan River (Phase A) and the Development of the Border Region Between the State of Israel and the Hashemite Kingdom of Jordan along the Jordan River, Kibbutz Nir David, Jordan Valley, Israel, October 21, 2014.
- Panelist**, Convergence of Food Security, Energy Security and Sustainable Agriculture, Side event for the launch of the book with the same title, 2014 Borlaug Dialogue, Des Moines, IA, October 15, 2014.

- Presentation**, A look at Arizona groundwater management and governance through the lens of world-wide efforts to identify best practices, Department of Hydrology and Water Resources Weekly Seminar, Tucson, AZ, October 8, 2014.
- Presentation**, Water Supply and Demand Imbalances and the Competition for Water Resources, American Society of Animal Science and American Meat Science Association Innovate 2014: Global Food Security, Brainerd, MN, October 6, 2014. Also served as panelist.
- Presentation/Discussion**, Water Dialogue: Questions and Conversation, Flinn-Brown Civic Leadership Academy, Tucson, AZ, September 20, 2014.
- Presentation**, How Full is Our Water Glass?, Women's Salon Series, Tucson, AZ, September 18, 2014. Posted at <https://www.youtube.com/watch?v=2xn7vKWXHgA>.
- Keynote Address**, Water Management Innovations in Water-Scarce Regions, JNF Tree of Life Award Dinner, Pittsburgh, PA, September 10, 2014.
- Presentation**, Colorado River and Tucson Water Issues, Green Chamber, Tucson, AZ, August 13, 2014.
- Presentation**, Water banks: Using managed aquifer recharge to meet water policy objectives, 14th Biennial Symposium on Managed Aquifer Recharge (BSMAR14), Orange, CA, July 31, 2014.
- Media Interview**, High Country News, Sarah Jane Keller, July 28, 2014. Blog posted, Colorado River Basin groundwater levels drop even faster than reservoirs, July 30, 2014. <http://www.hcn.org/blogs/goat>
- Presentation**, What is the Potential for IWRM in the Practice of Water Management in Arizona?, American Water Resources Association Summer Specialty Conference on Integrated Water Resources Management, Reno, NV, July 1, 2014.
- Presentation**, Water Management Innovations in Water-Scarce Regions, United Nations NGO Briefing, Every Drop of Water Makes a Difference, New York City, New York, June 19, 2014.
- Presentation**, Decentralized use of grey water and treated wastewater for agriculture in the Middle East, UCOWR-NIWR-CUASHI 2014 Annual Conference, USDA Track, Boston, MA, June 18, 2014.
- Presentation**, The University of Arizona Water Resources Research Center's Approach to Stakeholder-involved, Solution-oriented Water Research, CNRS Conference on the Sociology of the Environment, Paris, France, June 3, 2014.
- Media Interview**, April 2014 for the Tucson Weekly. Extensively quoted in article appearing in May 15, 2014 issue, "Not Up the Creek – Yet", <http://www.tucsonweekly.com/tucson/not-up-the-creekyet/Content?oid=4135802>.
- Media Interview**, Minnesota NPR, Dan Kraker, May 13, 2014.
Part1: <http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-blueprint>
Part2: <http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-reuse>
- Media Interview**, Arizona Public Media, Zac Ziegler, May 14, 2014 for story that aired May 16, 2014.
- Presentation**, The Context for Research on Water Management Conflicts and Cooperation in Arizona and the Colorado River Basin, BLUEGRASS project kickoff meeting, Interdisciplinary and Global Environmental Studies, CNRS, The University of Arizona, Tucson, AZ, May 12, 2014.
- Presentation**, A Look at Arizona Groundwater Management and Governance through the Lens of World-wide Efforts to Identify Best Practices, AzWater Association Annual Conference, Glendale, AZ, May 7, 2014.
- Presentation**, Groundwater Management and Governance: A Policy Perspective, National Ground Water Association Annual Summit, Denver, CO, May 5, 2014.
- Moderator and Program Chair**, WRRRC 2014 Annual Conference, Closing the Gap Between Water Supply and Demand, April 8, 2014.
- Panelist**, Integrating research and outreach with management of the Santa Cruz River, Santa Cruz River Research Days, March 27, 2014.
- Radio Interviews**, KAWC, Western Arizona NPR Affiliate, Lou Gum, March 18, 2014; KTAR, 92.3 FM, Phoenix, Rob Hunter and Karie Dozer (live), March 19, 2014.
- Presentation (2)**, "How Full is our Water Glass?" Columbia Club of Southern Arizona, Tucson, AZ, March 14, 2014; and Alumni Council. John and Doris Norton School of Family and Consumer Science, University of Arizona, Tucson, AZ, March 28, 2014.
- Presentation**, "Technology and Cooperation," Israeli and Palestinian Waterways Conference, University of California, Berkeley, Institute for Jewish Law and Israel Studies, Berkeley, CA, March 11, 2014.
- Presentation**, "Conserve to Enhance (C2E): An innovative program that links water efficiency with environmental enhancements," with Candice Rupperecht and Brittany Xiu, U.S. Bureau of Reclamation, Phoenix Area Projects Office, March 6, 2014.

- Television and other media interviews:** February 27, 2014 KVOA TV (aired February 28, 2014); February 27, 2014, journalist Tony Davis; March 5, 2014, Cronkite Journalist Jamie Killin (print story posted April 15, 2014 and video); March 5, 2014, Lorraine Rivera, Arizona Week, KUAT TV.
- Presentation,** “The Water Resources Research Center: Working with Communities throughout Arizona,” Green Valley Water Forum, March 3, 2014.
- Presentation (2),** Water 101 – How Full is Our Water Glass? Tucson Association of Realtors, Tucson, AZ, January 29, 2014; and Foothills Forum, Tucson, AZ, January 29, 2014.
- Presentation,** The Role and Programs of the Water Resources Research Center, Verde Valley Ditch Associations/Companies Meeting, Cottonwood, Arizona, December 10, 2013.
- Presentation and Roundtable Moderator,** Water Policies of Israel and Arizona, Water Innovation and Technology Commercialization Roundtable, Water Resources Research Center, Tucson, Arizona, November 22, 2013.
- Presentation,** Incorporating Climate Information and Stakeholder Engagement in Groundwater Resources Planning and Management, with Eylon Shamir, National Webinar sponsored by NOAA-SARP et al., November 21, 2013.
- Presentation and workshop host,** Update on the Transboundary Aquifer Assessment Program (TAAP): Santa Cruz and San Pedro Aquifers, GCASE (Groundwater, Climate and Stakeholder Engagement) Workshop, Water Resources Research Center, Tucson, Arizona, November 20, 2013.
- Presentation,** Water Cooperation along the United States-Mexico Border, Why Cooperate? An Interdisciplinary Panel sponsored by the University of Arizona Honors College and the National Endowment for the Humanities, The University of Arizona, Tucson, Arizona, November 14, 2013.
- Presentation,** Water Policies of Israel and Arizona: Lessons Learned and Outstanding Challenges, Heartbeat of Israel Community Lecture Series, Tucson, Arizona, November 13, 2013.
- Presentation, session organizer and moderator,** Groundwater Governance in the U.S. - Results of a Survey of the 50 States, S.B.Megdal (presenting), A. Gerlak and R. Varady, American Water Resources Association Annual Water Resources Conference, Portland, Oregon, November 5, 2013.
- Keynote Presentation,** Useful Lessons from Transboundary Water Efforts along the United States-Mexico Border, WATEC 2013, Tel Aviv, Israel, October 22, 2013.
- Presentation,** Water banks: Using managed aquifer recharge to meet water policy objectives, ISMAR8, 8th International Symposium on Managed Aquifer Recharge, S.B. Megdal, Peter Dillon (presenting), and Kenneth Seasholes, Beijing, China, October 18, 2013.
- Panelist,** VerdeXchange Water Panel, Scottsdale, Arizona, October 8, 2013.
- Panelist,** Water Efficiency and the Colorado River Basin Supply and Demand Imbalance, Water Smart Innovations Conference, Las Vegas, Nevada, October 4, 2013.
- Interview,** Arizona Illustrated, KUAT TV, Tucson, Arizona, October 1, 2013.
- Presentation,** Groundwater Management: A Policy Perspective, Annual Forum of the Groundwater Protection Council, Groundwater Protection: Reflecting Progress and Responding to the Future, St. Louis, Missouri, September 23, 2013.
- Presentation,** Water Management and Pricing: Challenges Associated with Increasing Water Scarcity, Water Utilities Association of Arizona, Phoenix, Arizona, September 20, 2013.
- Guest Lecture,** Geography 302, Introduction to Sustainable Development, The University of Arizona, September 17, 2013.
- Presentation,** Governance Asymmetries and Water Cooperation along the United States-Mexico Border, Workshop on Cooperation Across and Within Jurisdictions and Levels for Good Water Governance – Local to Global, Stockholm World Water Week, Stockholm, Sweden, September 3, 2013.
- Panelist,** Valuing Arizona’s Water: The Real Costs & the Price You Pay, Arizona League of Cities and Towns, Oro Valley, AZ, August 29, 2013.
- Radio Interview,** The Future for Agricultural Water Use and Water Delivery in Arizona, KJZZ Radio, Phoenix, AZ, August 15, 2013.
- Expert Discussion Leader,** Udall Foundation Scholars Orientation, Tucson, Arizona, August 8, 2013.
- Presentation,** Transboundary Aquifer Assessment Program Update: Santa Cruz and San Pedro Aquifers, Arizona-Mexico Commission, Environment and Water Committee, Scottsdale, Arizona, June 14, 2013.
- Presentation and panelist,** Sharing the River: The Colorado River Compact and Water Banking, ACE2013, Annual Conference of the American Water Works Association, Denver, Colorado, June 12, 2013. Presentation posted in proceedings: <http://www.acumen-va-publish.com/awwaACE2013/contents.php?s=WED23>
- Presentation,** Arizona Water Management Challenges and Solutions, Academy Village, Tucson, Arizona, June 5, 2013.

- Keynote Speaker**, Securing our Water Future: Challenges and Solutions, International Water Conference, Sias University, Zhengzhou, Henan Province, May 24, 2013.
- Invited Expert Participant**, GEF Transboundary Waters Assessment Programme (TWAP), Assessment of Transboundary Aquifers and SIDS Groundwater Systems, Inception Meeting, UNESCO Programme office for Global Water Assessment, Perugia Italy, May 14-15, 2013.
- Panelist**, Southern Arizona Water: Development, Growth and Sustainability, Real Estate and Allied Professions (REAP), Tucson, Arizona, April 30, 2013.
- Presentation and Panelist**, Israel, JNF and Water Solutions, Summit with JNF, Las Vegas, Nevada, April 28, 2013.
- Presentation**, Connecting water policy considerations to other water research and analysis, Center for Environmentally Sustainable Mining (CESM), Technical Advisory Committee Meeting, Tucson, Arizona, April 24, 2013.
- Presentation**, Arizona-Israeli collaborative efforts to address water management challenges: A cross-disciplinary approach, Meeting of the Technical Advisory Committee to the United States-Israel Binational Agricultural Research and Development Fund, Tucson, Arizona, April 23, 2013.
- Presentation**, Solutions to the water management challenges of Arizona and Israel, Technology Pavilion at the Israel Festival, Tucson, Arizona, April 21, 2013.
- Invited Participant**, First Meeting of the OECD Water Governance Initiative, Organisation for Economic Co-operation and Development, Paris, France, March 27-28, 2013.
- Discussion Leader**, The International Celebration of World Water Day 2013 on Water Cooperation, Breakout Session 3, Water cooperation helps preserve water resources and protect the environment, The Hague, The Netherlands, March 22, 2013.
- Presentation**, Groundwater Governance in a Federal Framework: Results of a Survey of the 50 States of the USA, (Andrea Gerlak and Robert Varady, coauthors), Fifth Regional Consultation, GEF Groundwater Governance Project, The Hague, The Netherlands, March 20, 2013. Meeting held March 19-21, 2013.
- Presentation**, Arizona Water 101: A look at Arizona Water Issues, Staff of Arizona Congressional Offices, Phoenix, AZ, March 15, 2013.
- Interview**, Arizona Week, Michael Chihak, Host, KUAT TV, PBS Channel 6, Recorded March 5, 2013, Aired March 8, 2013.
- Conference Convener and Moderator**, Water Security from the Ground Up, Water Resources Research Center Annual Conference, University of Arizona, Tucson, AZ, March 5, 2013.
- Interview and feature in Tucson Water Bill Insert**, "Focus on UA-Utility Partnership," distributed to all Tucson Water customers through the bill insert, March 2013.
- Interview**, Arizona Illustrated, Jane Pointer, Host, KUAT TV, PBS Channel 6, Aired February 26, 2013, Tucson, AZ.
- Interview**, Tucson Weekly, Article published February 28, 2013, Tucson, AZ.
- Guest Lecture**, Transboundary Wastewater Issues in the U.S. and Middle East, CPH (College of Public Health) 696R, The University of Arizona, February 20, 2013.
- Guest Lecture**, Providing Context for Transboundary Water Management for the Colorado River and Santa Cruz River Systems, RNR 440/540, University of Arizona, February 14, 2013.
- Presentation**, Arizona Water Resources Research Center's Information Transfer and Outreach Programs, Annual Meeting of the National Institutes for Water Resources, Washington, DC, February 13, 2013.
- Presentation**, Israeli Water Management and Policy Comparisons with Arizona and Consideration of Some Outstanding Challenges, with Robert Varady, Secular Humanist Jewish Circle, Tucson, AZ, January 26, 2013.
- Presentation**, Formulating and Conducting Research Projects Relevant to Real-World Problem Solving, Arizona Water Association Research Program, Phoenix, AZ, January 16, 2013.
- Presentation**, Providing Context for Transboundary Water Management for the Colorado River and Santa Cruz River Systems, Workshop on Transboundary Water Resources Governance and Riparian Areas: Theories, Methods and Applications, University of Arizona, January 10, 2013.
- Presentation**, How Recharge and Water Banking Help Arizona Achieve its Water Management Goals, Visitors from Chile, Tucson, AZ, December 10, 2012.
- Presentation**, Israel Water Management Program, Presentation to the Water Resources Research Center External Advisory Committee, Nina Mason Pulliam Audubon Center, Phoenix, AZ, December 7, 2012.
- Interview**, Tucson, Arizona, December 3, 2012, resulting in newspaper article, "'Immersed in water': Sharon Megdal dives into policy and environmental issues," by Sheila Wilensky, *Arizona Jewish Post*, December 28, 2012, pp. 12, 17. Also available on line.

- Presentation**, Searching for Water Solutions: Experiences from My Sabbatical and Other Travels, Water Resources Research Center Brown Bag Seminar, Tucson, AZ, November 29, 2012.
- Presentations** (4) made at Drylands, Deserts and Desertification Conference, Ben Gurion University, Sede Boqer, Israel, November 12-15, 2012: (1) Grey Water Reuse for Agricultural Purposes at Gore-Deir Alla in the Jordan Valley (Ayoup Ghrair and Othman Almashaqbeh, co-authors); (2) Water Management in Arizona and the Lower Colorado River Basin (USA): Good Practices and Long-term Challenges (Session Organizer, Chair and Presenter); (3) Developing a Framework for Groundwater Governance (Alice Aureli and Robert Varady, co-authors); (4) Fostering International Collaboration through the IALC (International Arid Lands Consortium) Seed Grant Program.
- Media Interview**, Patricia Golan, Drylands, Deserts and Desertification Conference, Ben Gurion University, Sede Boqer, Israel, November 13, 2012.
- Israel Water Management Program**, Developed and led eight-day program in Israel, November 3-11, 2012 for 10 participants from Arizona and Colorado. The program involved site visits and lectures throughout Israel. Related media interview conducted on November 11, 2012. Aired February 2, 2013 in Israel on IBA the Israeli English news station. <http://vimeo.com/57014686>
- Presentation (Plenary)**, “The GEF Project on Global Groundwater Governance: Groundwater Policy and Governance,” with Robert Varady, Third Regional Consultation, GEF Groundwater Governance Project, Amman, Jordan, October 8, 2012. **Co-facilitator** for a breakout session on “General Policies and Principles for Groundwater Governance, October 9, 2012.
- Presentation**, Water Management in Arizona and the Lower Colorado River Basin: Searching for Solutions, Ministry of Water and Irrigation, Amman, Jordan, October 7, 2012.
- Moderator and Host**, Grey Water Use Information Exchange, Water Resources Research Center, Tucson, Arizona, October 1, 2012. Held in conjunction with hosting the Grey Water Filtration and Use in the Jordan Valley Using Jordanian Natural Resources Workshop, Water Resources Research Center, October 1-4, 2012.
- Co-chair**, Innovation and Water Technology Track, Binational Border Water Resources Summit: Past, Present and Future, Ciudad Juarez, Chihuahua, Mexico and El Paso, Texas, September 27-28, 2012.
- Presentation**, “Water Management and Policy in Arizona and the Colorado River Basin: Searching for Solutions,” Wiseguide Luncheon, Scottsdale, Arizona, September 21, 2012.
- Panelist**, Expert panel following Tucson premiere of the movie *Watershed*, Tucson, Arizona, September 19, 2012.
- Presentation**, The Role of Conservation in Water Management, Undergraduate Seminar for Neurosciences-Cognitive Sciences Majors, The University of Arizona, Tucson, AZ, September 12, 2012.
- Presentation**, Perspectives on Governance and Institutions: The Search for Solutions, Pima Association of Governments Watershed Subcommittee, Tucson, AZ, August 27, 2012.
- Roundtable Expert**, Water Science and Management, 2012 Udall Scholar Orientation, Udall Foundation, Tucson, Arizona, August 9, 2012.
- Presentation (Plenary)**, Building, Maintaining and Strengthening the Bridge, Bridging Science and Application Plenary Session, 2012 UCOWR/NIWR Annual Conference, Santa Fe, New Mexico, July 18, 2012. Co-organizer of session.
- Presentation**, Perspectives on Governance and Institutions: The Search for Solutions, 2012 UCOWR/NIWR Annual Conference, Santa Fe, New Mexico, July 17, 2012.
- Co-presenter (with James Callegary)**, U.S.-MX Transboundary Aquifer Assessment Program Status Update, James Callegary, Christopher Scott, Sharon Megdal and Placido dos Santos, Joint meeting of the Water Committee and the Environment Committee of the Arizona-Mexico Commission, Tucson, Arizona, June 8, 2012.
- Panelist**, Science, Networks, Consciousness in the Mediterranean Basin, organized by the French Academy of Sciences and UNESCO, UNESCO, Paris, France, June 4, 2012.
- General Rapporteur**, Expert Workshop on Water Security: Managing Risks and Tradeoffs in Selected River Basins, Organization for Economic Co-operation and Development Working Party on Biodiversity, Water and Ecosystems, OECD, Paris, France, June 1, 2012.
- Presentation**, Water Banking and Groundwater Management in Arizona, Murray-Darling Basin Authority, Canberra, ACT, Australia, May 2, 2012.
- Presentation**, Water Banking and Groundwater Management in Arizona, CSIRO, Canberra, ACT, Australia, May 1, 2012.
- Presentation**, The Importance of Institutional Asymmetries to the Development of Binational Aquifer Assessment Programs: The Arizona-Sonora Experience, The Centre for Comparative Water Policies and Laws, The University of South Australia, Adelaide, South Australia, April 27, 2012.

- Presentation**, Meeting Arizona's future water demands under decentralized governance, CSIRO, Adelaide, South Australia, April 26, 2012.
- Participant and Session Rapporteur**, GEF Project "Groundwater Governance: A Global Framework for Country Action" First Regional Consultation: Latin America and the Caribbean Region, April 18-20, 2012, Montevideo, Uruguay.
- Presentation**, Overview of Arizona Water Management, Arava Institute, Israel, March 26, 2012.
- Presentation**, Introduction to Arizona Water Resources, Massar High School Environmental Science Class, Lilian Daniel, Instructor, Nazareth, Israel, March 22, 2012.
- Presentation**, Competition for Water Resources in Arizona: Shared Waters and Shared Borders, Department of Geography, The Hebrew University of Jerusalem, Mt. Scopus, Jerusalem, Israel, March 21, 2012.
- Presentation**, Arizona and Israeli Water Policy: Some Similarities and Differences, Department of Agricultural Economics and Management Seminar, The Hebrew University of Jerusalem, Rehovot, Israel, March 18, 2012.
- Commentary**, Groundwater Governance: From National and Regional Needs to Global Solutions, Side Event on the Good Groundwater Governance GEF-FAO-UNESCO and others international project, World Water Forum, Marseille, France, March 15, 2012.
- Presentation**, Transboundary Aquifer Assessment along the United States-Mexico Border as an Opportunity for Water Cooperation, Session 1.5.3, Strengthening International Cooperation for the Sustainable and Peaceful Management of Transboundary Aquifers, World Water Forum, Marseille, France, March 15, 2012.
- Presentation**, Water banking in Arizona and the Lower Colorado River Basin, Session CS1.4 on IWRM Through the Lens of Water Security, Adaptive Water Management and International Legal Instruments for Good Governance, also serve as leader for discussion table, World Water Forum, Marseille, France, March 14, 2012.
- Table Discussion Leader**, U.S.-MX Transboundary Aquifer Assessment, Session 1.5.1 on Why does Water Law matter to you? Exploring Local to Global Perspectives, World Water Forum, Marseille, France, March 14, 2012.
- Video** associated with receipt of Research Innovation Award, "Dr. Sharon Megdal: Leading Edge Researcher", released March 6, 2012, posted: YouTube, <http://www.youtube.com/watch?v=kGPLwT6IABk>; Water Channel, http://www.thewaterchannel.tv/index.php?option=com_hwdvideoshare&task=viewvideo&Itemid=4&video_id=1294.
- Presentations (3)**, Uncertainty and Sustainable Water Management in Arizona; Water Company Regulation, Water Pricing and Conservation; and Quantifying and Funding Water for the Environment, Thomas R. Brown Foundation Teacher Workshop, The Economics of Water, Tucson, AZ, January 26, 2012.
- Conference Host and Moderator**, Urbanization, Uncertainty and Water: Planning for Arizona's Second Hundred Years, 2012 Annual Conference of the Water Resources Research Center, The University of Arizona, Tucson, AZ, January 23, 2012.
- Radio Interview**, Bill Buckmaster Show, KVOI Radio, Tucson, AZ, January 22, 2012.
- Television Interview**, Arizona Week, KUAT PBS TV6, Tucson, AZ, January 20, 2012.
- Television Interview**, Horizon, KAET PBS TV8, Phoenix, AZ, January 19, 2012.
- Presentation**, Water Policy Considerations Associated with Meeting Future Water Demands, Farm Foundation Round Table, Sedona, AZ, January 6, 2012.
- Television Interview**, by Jim Rogers for Inside Nevada, KSNV, Las Vegas NBC Affiliate, Nevada, December 14, 2011.
- Presentation**, Options for Meeting Growing Water Demands in Water-scarce Regions, Workshop on Clean Technology Applications in Energy, Water and Environment, Royal Scientific Society, Amman Jordan, November 20, 2011.
- Presentation**, Options for Meeting Arizona's Future Water Needs in the Context of Colorado River Water Management, WATEC 2011, The 3rd International Conference on Water Technologies, Renewable Energy, and Environmental Control, Tel Aviv, Israel, November 16, 2011.
- Presentation and Panelist**, Conserve to Enhance: Linking Water Conservation to the Environment, Panel on Water Efficiency and Instream Flows, American Water Resources Association Annual Conference, Albuquerque, NM, November 9, 2011.
- Presentation**, The Santa Cruz and San Pedro Aquifers, Panel on Transboundary Aquifer Assessment Program, American Water Resources Association Annual Conference, Albuquerque, NM, November 8, 2011.
- Presentation**, Opportunities for Regional Collaboration: Water, Greater Tucson Leadership Class, Tucson, AZ, November 4, 2011.
- Guest Speaker**, Career Experiences, for the Strategy and Planning for Academic Success Colloquium, Department of Agricultural and Resource Economics, University of Arizona, Tucson, AZ, October 18, 2011.

- Presentation**, Arizona and Israeli Water Policy: Some Similarities and Differences, Arizona Center for Judaic Studies Seminar, University of Arizona, Tucson, AZ, October 17, 2011.
- Guest Lecture**, Institute of the Environment Honors Seminar, Challenges to Sustainable Water Management in Arizona, University of Arizona, Tucson, AZ, October 12, 2011.
- Presentation**, Current and Emerging Water Policy Issues Relevant to Planning Professionals, Short Course on Planning for Water, Arizona Planning Association State Conference, Tucson, AZ, September 30, 2011.
- Presentation**, CAP and Sustainability in the Tucson Region, Southern Arizona Environmental Management Society Seminar, Tucson, AZ, September 28, 2011.
- Speaker**, Program on the Report of Regional Water Assessment Task Force “Think Tank” Process, Tucson, AZ, September 26, 2011.
- Presentation**, Uncertainty and Sustainable Water Management in Arizona, Arizona Housing Forum, Scottsdale, AZ, September 23, 2011.
- Presentation**, Conserve to Enhance - Tucson, AZ Pilot Overview, Metropolitan Water District of Southern California, Water Use Efficiency Meeting, Los Angeles, CA, September 15, 2011.
- Panelist**, GEF Project on “Groundwater Governance: A Global Framework for County Action,” Inception Meeting, UNESCO, Paris, France, September 7, 2011.
- Participant and Project PI/Leader**: Agricultural-Environmental Cooperation and Fact-Finding Field Trip to Oregon, August 22-26, 2011.
- Presentation**, Quantifying and Funding Water for the Environment: Researchers Assisting Practitioners, Joanna Nadeau, coauthor, 2011 UCOWR/NIWR Annual Conference, Planning for Tomorrow’s Water: Snowpack, Aquifers, and Reservoirs, Boulder, Colorado, July 12, 2011.
- Presentation**, The Challenge of Binational Decision-Making in Arizona-Sonora Transboundary Watersheds, Christopher Scott, co-author, 2011 UCOWR/NIWR Annual Conference, Planning for Tomorrow’s Water: Snowpack, Aquifers, and Reservoirs, Boulder, Colorado, July 12, 2011.
- Presentation**, Inspiring Water Conservation for Environmental Enhancement, Joanna Nadeau, coauthor, American Water Works Association Annual Conference & Expo, Washington, DC, June 13, 2011.
- Poster**, The Forgotten Sector: Defining and Securing Water for the Environment, Joanna Nadeau et al., coauthors, Navigating the Future of the Colorado River 2011 Conference, University of Colorado Law School, Boulder, CO, June 9, 2011.
- Commentator**, The State of the River: Understanding Supply and Demand, Navigating the Future of the Colorado River 2011 Conference, University of Colorado Law School, Boulder, CO, June 9, 2011.
- Presentation**, Update on the Arizona-Sonora Portion of the United States-Mexico Transboundary Aquifer Assessment Program, Water Committee of the Arizona-Mexico Commission, Litchfield Park, AZ, June 3, 2011.
- Presentation**, Water and Sustainable Communities, ULI Sustainable Development Council, 2011 National ULI Real Estate Summit, Adapting for the Future – Today, Phoenix, AZ, May 29, 2011.
- Conference Moderator**, Salinity and Desalination in the Southwest: Challenges and Solutions, Annual Conference of the Water Resources Research Center, Yuma, Arizona, April 26-27, 2011.
- Presentation**, Uncertainty and Sustainable Water Management in Arizona, Flinn-Brown Civic Leadership Academy, Phoenix, AZ, April 9, 2011.
- Presentation**, Water Pricing and Public versus Private Water Company Ownership: Meeting Water Policy Goals, Environmental Law and Economics Seminar, University of Arizona, Tucson, AZ, April 8, 2011.
- Panelist**, The Future of Arizona’s Built Environment: The role of the Design and Planning Professionals, College of Architecture and Landscape Architecture, University of Arizona, Tucson, AZ, April 6, 2011.
- Invited Workshop Participant**, International Energy, Water, Environment/Clean Technologies (EWE CT) Center R&D Projects/Initiatives Workshop, the Royal Scientific Society supported by USAID Jordan Economic Development Program, Amman, Jordan, March 27 -29, 2011.
- Presentation**, “The Importance of Water for Arizona’s Future,” San Xavier Kiwanis, Tucson, AZ, March 24, 2011.
- Presentation**, “Arizona’s Water Future: Challenges and Opportunities,” Arizona House of Representatives Committee on Agriculture and Water, Phoenix, AZ, March 17, 2011.
- Presentation**, The Energy-Water Nexus, workshop on Water security challenges emanating from the intersections of climate and water scarcity in the arid Americas, Los Cabos, Mexico, March 2, 2011 (40).
- Presentation**, Water Sustainability Issues in Arizona, Rural Water Infrastructure Committee, Arizona Water Infrastructure Finance Authority, Tucson, AZ, February 2, 2011 (18).
- Presentation**, The Central Arizona Groundwater Replenishment District’s Role in Meeting the Renewable Water Supply Needs of Central Arizona, USDA Agricultural Research Service, Maricopa, AZ, January 31, 2011.

- Presentation**, Water, People and the Future: Challenges Associated with Meeting Competing Water Demands, Global Implications for Domestic and Industrial Water Reuse Workshop, Starr Pass Resort, Tucson, AZ, January 13, 2011.
- Expert Panelist**, Integrated Transboundary Groundwater Management, Tools and Methods, UNESCO Second Pilot Course, UNESCO, Paris, France, December 9-10, 2010.
- Presentation**, Institutional Assessment of the Transboundary Santa Cruz and San Pedro Aquifers on the United States-Mexico Border, ISARM2010 International Conference on Transboundary Aquifers: Challenges and new directions, UNESCO, Paris, France, December 7, 2010.
- Presenter and Moderator**, Our Water Future, Forum sponsored by the TRIF Water Sustainability Program, University of Arizona, Tucson, AZ, November 22, 2010.
- Plenary Presentation**, Restoration Success Stories from Arizona, Drylands, Deserts and Desertification Third International Conference, sponsored by Ben Gurion University, Israel, November 9, 2010.
- Presentation**, Water Management Complexities of the Lower Colorado River Basin: The Case of the Imperial Irrigation District Water Transfer and the Salton Sea, Drylands, Deserts and Desertification Third International Conference, sponsored by Ben Gurion University, Israel, November 11, 2010.
- Presentation**, Quantifying and Funding Water for the Environment: How Researchers Assist Practitioners, with Joanna Nadeau, Drylands, Deserts and Desertification Third International Conference, sponsored by Ben Gurion University, Israel, November 8, 2010.
- Presentation**, Water, People and the Future: Availability for Agriculture – and others – in the United States, Symposium--the Blue-Green Revolution: Why Water Availability and Water Management Will Be Key to Success in Bio-Energy and Environmental Security, ASA, CSSA and SSSA 2010 International Meetings, Long Beach, CA, November 2, 2010.
- Presentation**, The WRRC and our Water Management and Policy Focus, Presentation to guests from Tunisia, Tucson, AZ, October 19, 2010.
- Panelist**, “The Talent Crisis: Who is Going to Replace You?” Annual Meeting of the National Association of Water Companies, Tucson, AZ, October, 13, 2010.
- Guest Lecture**, Barriers and Opportunities for the Use of Scientific Information, Making the Connection between Science and Decision Making seminar, Geography 696j (Professor Connie Woodhouse), University of Arizona, October 4, 2010.
- Presentation**, Challenges to Sustainable Water Management in Tucson, Arizona and the Southwest, Milagro Co-housing Seminar, Tucson, AZ, September 30, 2010.
- Presentation**, Arizona Water Management Issues, International Visitors from the Mideast Sponsored by the U.S. Department of State, Water Resources Research Center, September 30, 2010.
- Panelist**, Water Sustainability, Special 30 minute issue of Horizon, KAET PBS Television, Phoenix, Arizona, September 28, 2010.
- Presentation**, Water Management and Policy in Arizona and the Potential for Public-Private Partnerships, National Council for Public Private Partnerships Annual Conference, Phoenix, AZ, September 28, 2010.
- Presentation**, Water Management Collaboration and Challenges, International Visitors Sponsored by the U.S. Department of State, Water Resources Research Center, September 21, 2010.
- Presentation**, Challenges to Sustainable Water Management in Arizona, Institute of the Environment Honors College Colloquium, University of Arizona, September 15, 2010.
- Presentation**, Water, People, and the Future: Water Availability for Agriculture – and others – in the United States, USDA Agricultural Research Service Water Availability & Watershed Management Customer/Stakeholder Workshop, Chicago, IL, September 8, 2010.
- Presentation**, Conserve to Enhance: Supporting Environmental Water Needs through Voluntary Conservation (with Joanna Nadeau), Colorado Water Congress Water Conservation Workshop, Vail, CO, August 25, 2010.
- Expert Panelist**, Creating a Regional Water Strategy for Central Florida Workshop, Orlando, FL, July 15-16, 2010.
- Presentation**, Challenges to Sustainable Water Management, Annual Meeting of Western Agricultural College Deans, Tucson, AZ, July 13, 2010.
- Presentation**, Institutional Mechanisms for the Assessment and management of Transboundary Aquifers: The Importance of Partnerships, Scientific Segment, 19th Session of the IHP Intergovernmental Council, UNESCO Headquarters, Paris, France, July 7, 2010.
- Presentation**, Water, People and the Future: Water Availability for Agriculture in the United States, Toward Sustainable Groundwater in Agriculture International Conference, San Francisco, CA, June 15, 2010.
- Conference Moderator**, Water Resources Research Center 2010 Annual Conference, *Creating New Leadership for Arizona’s Water and Environment in a Time of Change*, Tucson, AZ, June 9-10, 2010.

- Presentation**, Challenges to Sustainability Water Management and the Central Arizona Project, Workshop on Energy, Water and Global Climate Change as a Regional Agenda of the Americas, Pan American Advanced Studies Institute, San Diego State University, San Diego, CA, May 24, 2010.
- Presentation**, The Central Arizona Project (CAP) and Planning for Times of Shortage, 4th Binational Water and Climate Workshop, Urban Water Management, Climate Change and Adaptive Strategies for the Arizona-Sonora Region, Hermosillo, Sonora, Mexico, May 7, 2010.
- Panelist**, The Water Project, Water Policy Panel, Tucson, AZ, March 28, 2010.
- Presentation**, Arizona Water Management Issues, Israeli Water Authority, Tel Aviv, Israel, March 15, 2010.
- Speaker**, Sustainable Tucson Forum on Tucson-Pima County Water Study, Tucson, AZ, March 8, 2010.
- Opening Keynote Speaker**, Expanding Your Horizons Women in Science and Engineering Program (WISE), University of Arizona, Tucson, AZ, March 6, 2010.
- Presentation**, Challenges to Sustainable Water Management, Biosphere 2 Saturday Lecture Series, Biosphere 2, AZ, February 27, 2010.
- Presentation**, Connecting Water Research and Water Management: The Importance of Engagement, WaterSMART Kickoff Workshop, U.S. Department of the Interior, Las Vegas, NV, February 24, 2010.
- Presentation**, Water for Agriculture, Pima Association of Governments Watershed Planning Subcommittee, Tucson, AZ, February 22, 2010,
- Presentation**, Challenges to Sustainable Water Management in Arizona, Sun City Vistoso International Learning in Retirement Program, Oro Valley, AZ, February 18, 2010.
- Presentation**, Conserve to Enhance and Environmental Water Needs Assessment, Udall Center for Studies in Public Policy Environmental Group, Tucson, AZ, February 17, 2010.
- Panelist**, Perspectives on Water Research Related to Climate Change Adaptation, University of Arizona Climate Change Adaptation Summit, Tucson, AZ, February 3, 2010.
- Speech**, Working to Resolve Transboundary Water Conflicts, Tucson Committee on Foreign Relations, January 20, 2010.
- Presentation**, “Challenges to Sustainable Water Planning in Arizona,” Mining and Geological Engineering Seminar, University of Arizona, Tucson AZ, November 16, 2009.
- Presentations**, “Thirsting for Water, based on *Water, People and the Future: Water Availability for Agriculture in the United States*. Three Seminars as follows: (1) U.S. Department of Agriculture “Diverse Voices in Agriculture” Series; (2) National Coalition for Food and Agriculture (NC-FAR) “Lunch ‘n Learn” Seminar; and (3) Stakeholder, Media and Public Seminar. Washington, DC, November 9, 2009.
- Presentation/Discussion**, TBreak Environmental Group Breakfast Meeting, Tucson, AZ, November 5, 2009.
- Workshop Co-Convenor, Presenter, and Moderator**, The U.S.-Mexico Transboundary Aquifer Assessment Program Workshop: Developing a Work Plan for the Assessment of the Santa Cruz and San Pedro Aquifers, Tucson, AZ, November 3-4, 2009.
- Presentation**, “Securing Water for the Environmental Purposes,” with Joanna Bate, Water Conservation Information Sharing Group, Phoenix AZ, October 30, 2009.
- Presentation** (via teleconference), “Securing Water for the Environment,” World Wildlife Fund and Coca Cola Enterprises field trip group, El Paso, Texas, October 13, 2009.
- Speaker**, “Food for Thought” Dinner, Women in Science & Engineering (WISE) campus group, University of Arizona, October 11, 2009.
- Presentation**, “Water Management in the Greater Tucson Area: A Look at the Issues,” Good Shepherd’s Church, Sahuarita, AZ, October 11, 2009.
- Presentation**, “Securing Water for the Environment: Establishing Pilot Programs,” with Joanna Bate, WaterSmart09 Innovations Conference, Las Vegas, NV, October 8, 2009.
- Presentation**, “Challenges Associated with Water Management,” U.S. Forest Service Southwestern Regional Leadership Team Meeting, Tucson, AZ, October 7, 2009.
- Presentation**, “Growth, Water Planning, and the Environment,” Tucson Citizens Water Advisory Committee, Tucson, AZ, October 7, 2009.
- Panel Organizer/Moderator**, Water Planning in a Non-Stationary Environment, SAHRA Center Annual Meeting, Tucson, AZ, September 23, 2009.
- Workshop Chair**, Arizona, Israeli, and Palestinian Water Management and Policy Workshop: Economic, Environmental, and Community Implications of Expanding Reuse and Desalination for Future Water Supplies, Tucson, AZ, August 31 – September 2, 2009.
- Presentation**, “Water Pricing Theory and Practice in Israel and Arizona,” with Yoav Kislev, Arizona-Israeli-Palestinian Water Management and Policy Workshop, Tucson, AZ, September 1, 2009.

- Presentation**, “Best Management Practices, Conservation and Smart Water Policy,” Arizona Investment Council Conference on Meeting Arizona’s Water Needs Today & Tomorrow, Tucson, AZ, August 28, 2009.
- Presentation**, “The US-Mexico Transboundary Aquifer Assessment Program: The Arizona-Sonora Portion as a Case Study,” Sharing an Invisible Water Resource for the Common Good: How to Make Use of the UN General Assembly Resolution on the Law of Transboundary Aquifers Seminar, World Water Week, Stockholm, Sweden, August 20, 2009.
- Presentation**, “Challenges to Sustainable Water Management,” Udall Foundation Scholars Orientation, Tucson, AZ, August 7, 2009.
- Presentation**, “Arizona Water Management,” Student and Faculty from Arid Lands Institute at Woodbury University, Tucson, AZ, June 9, 2009; International Water Agency Professionals from the Middle East, hosted by the U.S. Department of State, Tucson, AZ, June 15, 2009; Humphrey Fellows program at the Center for English as a Second Language, Tucson, AZ, July 8, 2009; Greater Tucson Leadership, Tucson, AZ, September 11, 2009.
- Project Update**, U.S.-Mexico Transboundary Aquifer Assessment Program in Arizona, presented during public comment to the Water Committee of the Arizona-Mexico Commission, Scottsdale, AZ, June 5, 2009.
- Presentation (via teleconference)**, “ISARM Case Study: Santa Cruz and San Pedro Aquifers,” Sixth Meeting of the U.S. National Committee for UNESCO IHP, Washington, DC, May 11, 2009.
- Presentation**, Long-Term Water Planning, Maricopa County Cooperative Extension, Phoenix, AZ, April 29, 2009.
- Presentation**, “Is Water the New Oil? Challenges in Water Resource Planning,” 18th Annual Conference of the International Association of Attorneys and Executives in Corporate Real Estate, Scottsdale, AZ, April 23, 2009.
- Presentation**, “U.S.-Mexico Transboundary Aquifer Assessment Program, Water Resources Research Center Annual Conference, Tucson, AZ, March 17, 2009.
- Presentation**, “Stakeholder Engagement in Water Planning,” Water Resources Research Center Annual Conference, Tucson, AZ, March 17, 2009.
- Conference Chair**, Best Practices for Stakeholder Engagement in Water Resources Planning, Water Resources Research Center Annual Conference, Tucson, AZ, March 17, 2009.
- Presentation**, “Water Management in the Tucson Region,” Graduate Club, Tucson, AZ, March 11, 2009.
- Presentation**, “Arizona Water Planning,” Dept. of Hydrology and Water Resources Seminar, University of Arizona, March 4, 2009.
- Presentation**, “Forming Scientific Collaborations,” ADVANCE Career Discussion Series, University of Arizona, Tucson, AZ, February 19, 2009.
- Presentation**, “Water Policy Challenges in Arizona,” Superfund Colloquium, University of Arizona, Tucson, AZ, February 12, 2009.
- Presentation**, “Water Program Connections between Science and End Users,” Translational Environmental Research Symposium, University of Arizona, Tucson, AZ, February 9, 2009.
- Presentation**, “Water Resource Management and Planning in the Tucson Region,” Arizona-Sonora Desert Museum Educational Program for Volunteer Docents, Tucson, AZ, February 4, 2009.
- Presentation**, “Asymmetries in the Regulation of Private versus Public Provision of Water in Arizona,” Water Governance: The Public-Private Debate, University of Arizona, Tucson, AZ, February 4, 2009.
- Presentation**, “Meeting the Long-Term Needs of the Central Arizona Groundwater Replenishment District,” Water Rights, Sales and Transfers in Arizona, Lorman Continuing Education Program, Tucson, AZ, January 28, 2009.
- Panelist**, Water Stress/Water Conservation Panel, Facing Our Future: The Challenge of Water and Energy Forum, Australia Week, Los Angeles, CA, January 14, 2009.
- Presentation**, “Evolution and Evaluation of the AMA Management Plans,” Phoenix AMA Groundwater Users Advisory Council, Phoenix, AZ, January 6, 2009.
- Presentation**, United States-Mexico Transboundary Aquifer Assessment Program, Water Resources Research Center Brown Bag Seminar (with C. Scott, J. Callegary and P. Vandervoet), December 8, 2008.
- Commentary**, “Issues the CAP Board will Face,” KUAT TV, Channel 6, Tucson, Arizona, December 3, 2008.
- Presentation**, “Water Management in Arizona: Focus on the Tucson Region and Green Valley,” La Posada Speakers Forum, Green Valley, AZ, November 21, 2008.
- Presentation**, “The Quest for Long-Term Water Resource Planning,” American Water Resources Association National Conference, New Orleans, LA, November 19, 2008. (Abstract published in Proceedings.)
- Presentation**, “Conserve to Enhance: Voluntary Municipal Conservation to Support Environmental Restoration,” American Water Resources Association National Conference, New Orleans, LA, November 17, 2008. (Abstract published in Proceedings.)

- Panelist**, KUAT Public Television live discussion of documentary film, "The American Southwest: Are We Running Dry?" Tucson, AZ, November 13, 2008.
- Presentation**, "Water Management and Policy in Arizona," Flinn Scholars, Tucson, AZ, October 4, 2008.
- Presentation**, Water Resource Availability for the Tucson Region, City/County water and Wastewater Study Oversight Committee, Tucson, AZ, October 2, 2008.
- Presentation**, Water Planning in the Tucson Region, Green Valley Coordinating Council, Green Valley, AZ, October 2, 2008.
- Presentation**, Water Sustainability in Arizona: Can We Achieve It? The Honors College Forum, University of Arizona, Tucson, AZ, September 29, 2008.
- Presentation**, "Tucson Regional Water Planning Perspectives Study," City/County water and Wastewater Study Oversight Committee, Tucson, AZ, August 27, 2008.
- Presenter and Panelist**, Water Issues in the Tucson Region, Congresswoman Gabrielle Giffords' Town Hall on Water, Sahuarita, Arizona, July 1, 2008.
- Conference Chair**, The Importance of the Colorado River to Arizona's Future, WRRC Annual Conference, Phoenix, AZ, June 24, 2008.
- Presentation**, Water Policy in the Tucson Region, Tucson Metropolitan Chamber Board of Directors, Tucson, AZ, June 23, 2008.
- Presentation**, Update on the U.S.-Mexico Transboundary Aquifer Assessment Program, Water Committee, Arizona-Mexico Commission, Phoenix, AZ, June 20, 2008.
- Presentation**, Urban Water Management: Present and Future, Eau de Paris, Paris, France, June 11, 2008.
- Presentation**, "Planning for Arizona's Growing Water Demands," Arizona Desert Horticulture Conference, Tucson, AZ, May 16, 2008.
- Presentation**, "The UA Water Sustainability Program and the Programs of the Water Resources Research Center," Water Summit, College of Agriculture and Life Sciences, Tucson, AZ, May 1, 2008.
- Brief remarks**, "Tucson Regional Water Planning Perspectives Study," Water Study Oversight Committee, Tucson, AZ, April 18, 2008.
- Presentation**, "Conserve to Enhance," with Joanna Bate, WRRC Brown Bag Seminar, Tucson, AZ, April 3, 2008.
- Presentation**, "Santa Cruz County and Transboundary Water Planning," Zonta International Club, Nogales, Arizona, April 2, 2008.
- Presentation**, "Understanding the Economics of Water Allocation," The Economics of Water and the Environment Workshop for High School and Middle School Teachers, The Thomas R. Brown Foundation and Arizona Council on Economic Education, Tucson, AZ, March 31, 2008.
- Presentation**, Water Planning and Management in the Tucson Region, Real Estate Professionals Group of the Jewish Federation of Southern Arizona, Tucson, AZ, March 25, 2008.
- Panel Discussant**, Tucson Growth Forum, Sponsored by the *Arizona Daily Star*, Tucson, AZ, March 14, 2008.
- Presentation**, "Are We Running Out of Water?", Annual Overview of the Real Estate Market, Fox Theatre, Tucson, AZ, March 4, 2008.
- Presentation**, Evolution and Evaluation of the AMA Management Plans, Pinal Active Management Area Groundwater Users Advisory Council, Nogales, AZ, February 28, 2008.
- Panel**, "What needs to be done to protect our water?", Environmental Issues Day, Greater Tucson Leadership, Tucson, AZ, February 22, 2008.
- Presentation**, Evolution and Evaluation of the AMA Management Plans, Santa Cruz Active Management Area Groundwater Users Advisory Council, Nogales, AZ, February 13, 2008.
- Presentation**, Research and Outreach Programs of the Water Resources Research Center and Opportunities for Collaboration, Tucson Chapter of the Arizona Hydrological Society, Tucson, AZ, February 12, 2008.
- Presentation**, Conserve to Enhance: Voluntary Municipal Water Conservation to Support Environmental Enhancement, Environmental Breakfast Group, Tucson, AZ, February 7, 2008.
- Presentation**, The Water Resources Research Center at The University of Arizona: Opportunities for Collaboration, DLA Piper Law Firm, Phoenix, AZ, February 6, 2008.
- Remarks**, Dinner with Board of Directors of the C.W. and Modene Neely Charitable Foundation, Scottsdale, AZ, January 27, 2008.
- Presentation**, The Evolution and Evaluation of the AMA Management Plans, Arizona Department of Water Resources, Tucson AMA Groundwater Users Advisory Council, January 23, 2008.
- Presentation**, Water Management and Water Politics, Young Leaders Boot Camp, Greater Tucson Leadership, January 22, 2008.

- Presentation**, Update on Research on Groundwater Savings Recharge in Arizona, AgriBusiness Council of Arizona, Tucson, AZ, December 7, 2007.
- Presentation**, “Collaborative Approaches to Water Resources Research, Education and Outreach,” Western States Water Council, Phoenix, AZ, November 16, 2007.
- Presentation**, “Groundwater Recharge as a Tool for Meeting Arizona Water Policy Objectives,” 6th Biennial International Recharge Symposium on Managed Aquifer Recharge (ISMAR6), Phoenix, AZ, October 29, 2007.
- Conference chair, Moderator and Presenter**, Tucson Community Conversation on Water, Tucson, Arizona, October 26, 2007.
- Presentation**, “Water Resource Availability for the Tucson Metropolitan Area: Community Engagement in Water Resource Planning,” Urban Land Institute (ULI), Southern AZ Fall Meeting, Tucson, AZ, October 10, 2007.
- Panelist**, “Addressing Water Scarcity,” Investor Owned Water Utilities Association (IOWUA) Strategic Summit, Maricopa, AZ, October 9, 2007.
- Presentation**, “Community Engagement in Water Planning: The Tucson Region as a Case Study,” Mac Field Days, Maricopa Agricultural Center, Maricopa, Arizona, October 3, 2007.
- Presentation**, “Water Resource Availability for the Tucson Metropolitan Area: Community Engagement in Water Resource Planning,” 2007 Regional Water Symposium, Sustainable Water, Unlimited Growth, Quality of Life: Can We Have it All? Tucson, Arizona, August 31, 2007.
- Presentation**, “The United States-México Transboundary Aquifer Assessment Program,” Water Committee of the Arizona-Mexico Commission, Tucson, Arizona, June 14, 2007.
- Welcoming Remarks**, Annual National Conference of Project WET, Tucson, Arizona, June 7, 2007.
- Conference Chair**, The 20th Anniversary of the Environmental Quality Act and ADEQ: Assessing and Protecting Arizona’s Water Quality, Phoenix, Arizona, June 5, 2007.
- Presentation**, “Water Management in Arizona and Growth,” Covering Growth in the West: An Educational Symposium for Journalists, Tucson, Arizona, May 18, 2007.
- Presentation**, “Addressing Water Management Challenges: Where Policy and Science Meet,” 2007 Annual Meeting of Texas River and Reservoir Management Society and South Central Society of Environmental Toxicology and Chemistry, Nacogdoches, Texas, May 17, 2007.
- Presentation**, “University of Arizona Water Programs and Connections to Rural Economic Development,” Annual Meeting of the Western Rural Development Multistate Research Coordinating Committee, Reno, Nevada, May 7, 2007.
- Presentation**, Water Resources Policy and Management in Arizona: Focus on the Arizona-Sonora Border, U.S.-Mexico Field Coordinating Committee of the U.S. Dept. of Interior, Tucson, Arizona, April 24, 2007.
- Presentation**, Water Issues Related to Growth, Water Summit 2007, Investor Owned Water Utility Association, Phoenix, Arizona, April 23, 2007.
- Presentation**, “United States-Mexico Transboundary Aquifer Assessment Program,” USGS Workshop on Facing Tomorrow’s Challenges along the U.S.-Mexico Border: Monitoring, Modeling and Forecasting Change within the Arizona-Sonora Transboundary Watersheds, USGS Border Conference, Tucson, Arizona, March 21, 2007.
- Presentation**, “The WRRRC and Arizona County-level Cooperative Extension,” Annual Meeting of Arizona Cooperative Extension County Directors, Rio Rico, Arizona, February 21, 2007.
- Presentation**, “Arizona Water Planning,” Spring Ag Outlook Forum, Arizona Chapter of the American Society of Farm Managers and Rural Appraisers, Phoenix, Arizona, February 16, 2007, published on conference CD.
- Presentation**, “Promoting Water Resource Research Institutes Locally: The Importance of Outreach,” Annual Meeting of the National Institutes for Water Resources, Washington, DC, February 14, 2007.
- Presentation**, “Meeting Growing Water Demands in Central Arizona, with a Focus on Tucson,” The University of Arizona Annual Forecasting Meeting, Eller College of Management, Tucson, Arizona, November 29, 2006.
- Presentation**, “Meeting Growing Water Demands in Central Arizona,” 21st Annual Arizona Agribusiness Forum, Dept. of Agricultural and Resource Economics, Ak Chin Indian Reservation, Arizona, November 16, 2006.
- Presentation**, “The Colorado River & Arizona Water Management: Meeting Growing Water Demands in Central Arizona,” ULI (Urban Land Institute) Annual Fall Meeting, Denver, CO, October 20, 2006.
- Symposium Presentation**, “Good Intentions, Unintended Consequences: The Central Arizona Groundwater Replenishment District,” Water Law & Policy: A Symposium, James E. Rogers College of Law, Tucson, Arizona, October 7, 2007.
- Presentations**, “Water Resource Availability for the Tucson Metropolitan Area,” Southern Arizona Leadership Council, Tucson, Arizona, July 19, 2006; Monthly Issues Briefing, Metropolitan Pima Alliance, Tucson, Arizona, September 15, 2006; Trinity Presbyterian Church, Tucson, Arizona, September 17, 2006; Management Committee, Pima Association of Governments, Tucson, Arizona, September 20, 2006; Economic Development

- Committee, Marana Chamber of Commerce, September 27, 2006; Regional Council, Pima Association of Governments, Tucson, Arizona, September 28, 2006. Southern Arizona Business Roundtable, October 3, 2006; Citizens Water Advisory Committee, Tucson, Arizona, November 1, 2006; Water Resources Research Center, Tucson, Arizona, November 8, 2006; Sahuarita Town Council, Sahuarita, Arizona, November 27, 2006.
- Presentation**, “Water Planning for the Tucson Region,” American Water Works Association DSS Conference, Phoenix, Arizona September 18, 2006.
- Seminar**, Water Sustainability in Arizona: Fact or Fiction?, Department of Geography and Regional Development, The University of Arizona, Tucson, Arizona, Sept. 15, 2006.
- Seminar**, Groundwater Recharge as a Tool for Meeting Arizona Water Policy Objectives, Department of Soil, Water and Environmental Science, The University of Arizona, Tucson, Arizona, Sept. 11, 2006.
- Interview**, Water Issues related to Tucson, Growth, and the Environment, KUAT Television, Tucson, Arizona, August 7, 2006.
- Press Briefing**, “Water Resource Availability for the Tucson Metropolitan Area,” WRRRC, July 17, 2006.
- Presentation**, Discussion with Israel Water Commission on Arizona Water Management, Israel Water Commission, Tel Aviv, Israel, June 28, 2006.
- Presentation**, “Projects to Enhance Arizona’s Environment,” 34th Annual Meeting of the Israeli Society for the Ecology and Environmental Quality Sciences,” Haifa, Israel, June 26-27, 2006.
- Conference Chair**, Water Resources Research Center Annual Conference, “Providing Water to Arizona’s Growing Population: How Will We Meet the Obligation?” Phoenix, Arizona, June 21, 2006.
- Presentation**, “The Santa Cruz Valley Water District: A Retrospective,” Meeting of the Statewide Water Advisory Group, Arizona Department of Water Resources, Phoenix, Arizona, June 16, 2006.
- Presentation**, “Water Management in Arizona, with a Focus on the Border,” Border Issues Committee of the Arizona-Mexico Commission, Sierra Vista, Arizona, May 19, 2006.
- Testimony**, Subcommittee on Water and Power of the United States House of Representatives Resources Committee, S 214/H R 469, United States-Mexico Transboundary Aquifer Assessment Act, Washington, DC, May 10, 2006.
- Presentation** (made by Kelly Mott Lacroix), Projects to Enhance Arizona’s Environment: An Examination of their Functions, Water Requirements and Public Benefits, Annual Conference of the Arizona Riparian Council, Flagstaff, Arizona, April 28, 2006.
- Presentation**, Water Management and Renewable Water Supplies in Arizona, Delegation of Water and Soil Conservation and Plant Buffer Zone of the Ministry of Water Resources of China, Tucson, Arizona, April 19, 2006.
- Presentation**, Water Management in Arizona, Environmental Biology Class visiting from the University of Maryland, Tucson, Arizona, March 20, 2006.
- Presentation**, Water Issues in the Tucson Region, Tucson Chapter of the National Association of Retired Federal Employees, Tucson, Arizona, September 12, 2005.
- Presentation**, Water Management in Arizona: Providing the Context, City of Prescott Water Forum on Safe Yield, Prescott, Arizona, June 22, 2005.
- Paper Presentation**, “Water Sustainability in Arizona: A Multi-faceted Approach to Research, Education and Outreach,” Environmental Health Perspectives on Water Quality and Quantity: A Multi-Disciplinary Concern, 6th Annual Environmental Health Conference of the Association of Schools of Public Health, Oklahoma City, June 13, 2005. (Air travel problems prevented in-person presentation.)
- Presentation**, The University of Arizona Water Sustainability Program, Decision Center for a Desert City Briefing, Arizona State University, Tempe, Arizona, May 11, 2005.
- Presentation**, “Great Decisions: Challenges related to Water Resources Policy and Management,” Group meeting at the Tucson Jewish Community Center, April 22, 2005.
- Presentation**, “Focus on Arizona: The UA Water Sustainability Program and Update on the Water Resources Research Center,” Spring Meeting of the College of Agriculture and Life Sciences Ag 100, University of Arizona, Tucson, Arizona, April 8, 2005
- Presentation**, “Focus on Arizona: The UA Water Sustainability Program,” From River to Tap Program, College of Agriculture and Life Sciences Semi-Annual Faculty and Staff Luncheon, University of Arizona, Tucson, Arizona, April 7, 2005
- Presentation**, “A Look at Ecosystem Restoration in Arizona,” Water and the Environment: The Role of Ecosystem Restoration, Water Resources Research Center Annual Conference, Tucson, Arizona, April 6, 2005.
- Conference Chair**, Water and the Environment: The Role of Ecosystem Restoration, Water Resources Research Center Annual Conference, Tucson, Arizona, April 6, 2005.

- Presentation**, “Overview of the Arizona Water Resources Research Center,” University of Arizona and Arizona State University water information sharing meeting, Casa Grande, Arizona, March 10, 2005.
- Presentation**, “The University of Arizona Water Sustainability Program,” Annual Meeting of the National Institutes for Water Resources, Washington, DC, March 8, 2005.
- Presentation**, “Water Management and Processes for Water Education; Regional/National Concerns about Water,” Southwestern Region Conservation Education and Interpretation Conference, Tucson, Arizona, March 1, 2005.
- Presentation**, “Environmental Restoration Projects in Arizona,” 44th Annual Meeting of the Western Regional Science Association, San Diego, California, February 24, 2005. Served panel chair and paper discussant at other sessions.
- Speaker and Moderator**, Metropolitan Pima Alliance, Breakfast Meeting on Water Bonds, Tucson, Arizona, February 18, 2005.
- Presentation**, “Projects to Enhance Arizona’s Environment: An Examination of their Functions, Water Requirements and Public Benefits,” Pima Association of Governments Environmental Planning Advisory Committee Meeting, Tucson, Arizona, February 4, 2005.
- Presentation**, “Ecosystem Restoration in Urban Arizona,” Urban Design in Arid Regions Second International Symposium, Tucson, Arizona, January 23, 2005.
- Moderator**, Ecosystem Dynamics and Ecosystem Management Panel, Urban Design in Arid Regions Second International Symposium, Tucson, Arizona, January 21, 2005.
- Presentation**, “Water Management in Arizona: An Introduction,” Metropolitan Pima Alliance Board of Directors, Marana, Arizona, January 6, 2005.
- Interview**, Water and Drought, KUAT Television, Tucson, Arizona, November 8, 2004.
- Participant and Resource Consultant**, Eighty-fifth Arizona Town Hall, “Arizona’s Water Future: Challenges and Opportunities,” Grand Canyon, October 31-November 3, 2004.
- Presentation co-author**, “Unique Aspects of Valuing Groundwater Resources,” with Kathy Jacobs; **Moderator**, Water Supply and Water Quality at the University of Arizona: Research Relevant to Resolving Arizona Water Issues, Annual Symposium of the Arizona Hydrologic Society, Tucson, Arizona, September 17, 2004.
- Presentation**, “Water Management in Arizona: An Introduction,” and **Panel Organizer** for session, Growth and Water, How Arizona Communities are Addressing the Connection, Annual Conference of the League of Arizona Cities and Towns, Oro Valley, Arizona, September 1, 2004.
- Presentation**, “The Economics of Water Regulation in Arizona,” Allocating Water: Economics and the Environment Conference, Universities Council on Water Resources and The National Institutes for Water Resources, Portland, Oregon, July 2004.
- Interview**, Water Management, KUAT Public Television, Tucson, Arizona, July 21, 2004.
- Presentation**, Southwest Strategies Regional Executive Committee, Water Issues Panel, Phoenix, June 8, 2004.
- Presentation**, “Water Supply Issues in Arizona and the Southwest,” Sundt Construction Company Futures Committee, Tucson and video conference, June 3, 2004.
- Presentation**, “Lessons Learned from the Future of Agricultural Water Use in Arizona Conference”; and **Panel Moderator**, Arizona’s Water Supply Situation, AgriBusiness Council of Arizona Annual Membership Meeting, Tempe, Arizona, May 21, 2004
- Conference organizer**, The Future of Agricultural Water Use in Arizona; **Moderator**, Public Officials Panel; and Printed presentation, “Arizona Agricultural Trends: A Graphical and Geographical Perspective (or let the pictures do the talking),” Casa Grande, Arizona, April 28, 2004.
- Presentation**, “Water Management in Arizona: A Brief Introduction,” Water Sustainability Program Briefing, Phoenix, Arizona, March 23, 2004.
- Presentation and Panel Moderator**, “Long Term Impacts of the Status Quo,” Contrasting Scenarios in the Verde Watershed, League of Women Voters, Camp Verde, Arizona, March 20, 2004.
- Presentation**, “Discussion of Groundwater Management Issues,” Torreón, Coahuila, Mexico, Presentation/discussion with the Consejo Ciudadano por el Agua de la Comarca Lagunera, March 10, 2004.
- Presentation**, “Securing Sustainable Water Supplies in Arizona,” Torreón, Coahuila, Mexico, Community presentation sponsored by the Consejo Ciudadano por el Agua de la Comarca Lagunera, March 10, 2004.
- Presentation**, “Groundwater Management in the Sonoran Desert of Arizona: The Importance of Surface Supplies and Recharge,” Torreón, Coahuila, Mexico, Engalec ’04, XII Encuentro Nacional de Ganaderos Lecheros, March 11, 2004.
- Moderator**, Middle San Pedro Partnership Water Forum, Benson, Arizona, February 19, 2004.
- Presentation**, “Securing Sustainable Water Supplies in Arizona” Research Center Administrators Society 2004 Winter Meeting, Chandler, Arizona, February 2, 2004.

- Moderator**, “Impacts of the Drought on Growers in Central Arizona,” Surface Water Availability Panel, Casa Grande, Arizona, January 21, 2004.
- Presentation**, “Securing Sustainable Water Supplies in Rural Arizona: Managing to Avoid Crisis,” Lakeside, Arizona, Navopache-Electric Coop Board of Directors, January 14, 2004.
- Presentation**, “Securing Sustainable Water Supplies in Rural Arizona: Managing to Avoid Crisis,” Show Low, Arizona, Navajo County Board of Supervisors, special meeting on water, January 14, 2004.
- Participant**, Eighty-third Arizona Town Hall, “The Realities of Arizona’s Fiscal Planning Process, Grand Canyon, October, 2003.
- Moderator**, Town Halls on Tucson Transportation Ballot Initiatives. October 21, 2003: Ward 2 City Council Office. October 23, 2003: University of Arizona. Cosponsored by the League of Women Voters.
- Faculty**, Water in the West, Urban Land Institute Knowledge Seminar Series, Sessions I, II, and III. Phoenix Arizona. October 9, 2003: “Why the Groundwater Management Act.” November 13, 2003: “The Importance of Recharge.” December 4, 2003.
- Presentation**, “Securing Sustainable Water Supplies in Arizona and the Southwest,” 2003 Fall University & Agriculture Industry Consortium Meeting, Tucson, Arizona, October 21, 2003.
- Presentation**, “Public Policy and Planning for Arizona’s Water Supply,” Annual Symposium of the Arizona Hydrologic Society, Mesa, Arizona, September 18, 2003.
- Presentation**, “The Role of Private Enterprise in Sustaining Arizona’s Water Supplies,” Annual Symposium, Arizona Hydrologic Society,” Mesa, Arizona, September 18, 2003.
- Presentation**, “Water Management in Tucson, Arizona and Eastern Pima County: How Regulation, Institutions, and a Constructed Canal Have Affected the Desert’s Landscape,” Urban Designs in Arid Zones Symposium, Santiago, Chile, May 29–31, 2003.
- Conference organizer and Moderator**, “Local Approaches to Resolving Water Resource Issues,” Water Resources Research Center Annual Conference, May 12, 2003, Prescott, Arizona.
- Presentation**, “The Status and Issues of the Groundwater Management Act,” 18th Annual Agribusiness Forum: Critical Issues for Arizona Agriculture, March 7, 2003, Tucson, Arizona.
- Keynote Speaker**, Verde Watershed Citizens’ Groups Conference, January 18, 2003, Camp Verde, Arizona.
- Presentation**, Arizona State Senate Natural Resources and Transportation Committee, January 14, 2003.
- Interview**, KJZZ Public Radio, Phoenix, “Water in the Desert,” Aired November 21, 2002.
- Speaker**, “Water, Land and Policy: Social Science Assessments,” Moving Waters Culminating Conference, Flagstaff, September 27, 2002.
- Speaker**, “From Fiscal 2000 to Fiscal Year 2003,” Arizona Association of Counties Annual Conference, Mesa, June 12, 2002.
- Speaker**, “How We Manage Tucson’s Water Resources,” Young at Heart meeting group, Tucson Jewish Community Center, June 13, 2002.
- Interview**, Water and Drought, KUAT Television, Tucson, Arizona, June 4, 2002.
- Speaker**, “Economic Principles and Regulation of Groundwater,” World Bank Groundwater Study Tour, Tucson, May 1, 2002.
- Moderator**, Panel on Taxation, Arizona School Boards Association Legislative Forum, Phoenix, February 2002.
- Speaker and Panelist** on the Governor’s Transportation Vision 21 Task Force at numerous conferences and meetings, 2000–2001.
- Speaker**, University of Arizona Water Resources Research Center Annual Conference: Water Planning for the Future, November 2001.
- Moderator**, Southwest Summit on Electricity Reliability, hosted by U.S. Energy Secretary Bill Richardson, Phoenix, June 2000.
- Panelist**, Goldwater Institute Program on the Arizona Corporation Commission, Phoenix, April 2000.
- Moderator**, Transportation and Economic Development Session, 1998 Annual Meeting of the Transportation Research Board, Washington, DC, January 1998.
- Participant**, Seventy-First Arizona Town Hall, Ensuring Arizona’s Water Quantity and Quality into the 21st Century, Grand Canyon, October 1997.
- Panelist**, Conservation Alternatives Workshop, Water Conservation Alliance of Southern Arizona, Tucson, AZ, September 1997.
- Speaker**, “Arizona’s Toll Road Experience,” 1997 Annual Meeting of the Transportation Research Board, Washington, DC, January 1997.
- Panelist**, Alternative State Finance, Western Association of State Highway Transportation Officials (WASHTO), Albuquerque, New Mexico, June 1996.

- Moderator**, New Rules for the Road on the Information Superhighway, Tucson, February 1995.
- Speaker**, The 7th Biennial Symposium on the Artificial Recharge of Groundwater, Tempe, Arizona, May 1995.
- Speaker**, Arizona's Telecommunications Future: Opportunities and Regulatory Issues forum, Tucson, February 1995.
- Speaker**, Economic and Financial Aspects of Arizona Water Conflicts seminar, sponsored by Univ. of Arizona Water Resources Resource Center, January 1995.
- Moderator**, "Our Water, Our Air: Balancing Protection and Development," LEADERSHIP AMERICA October 1994 session, Phoenix, AZ.
- Speaker**, Joint Conference of the National Safety Council's 20th International Forum for Traffic Records and Highway Information Systems, July 1994.
- Speaker**, Water Issues and Their Effect on Mohave County, Mohave County Community Unity Forum, Laughlin, Nevada, September 1993.
- Panelist**, National Water Resources Association Annual Conference, December 1993.
- Speaker**, Arizona Water Resources Association, October 1992.
- Speaker**, Arizona Rural Water Association, December 1992.
- Speaker**, University of Florida Public Utility Research Center Conference on Regulatory and Managerial Strategies for Promoting Innovation, April 1992.
- Speaker**, "The Role of Utility Regulators in State Economic Development Efforts," National Association of State Utility Consumer Advocates (NASUCA) Annual Meeting, San Antonio, Texas, November 1991.
- Speaker**, Conference on Prospects for Corporate Relocation to Arizona, University of Arizona Udall Center for Studies in Public Policy, December 1990.
- Speaker**, "The Benefits of State Regulation," Conference on Regulatory Federalism in Telecommunications: Anachronism of Laboratory?, Columbia University Center for Telecommunications and Information Studies, October 1990.
- Speaker**, Future Visions: Women's Leadership Conference, Phoenix, May 1990.
- Speaker**, Arizona Association for Industrial Development Legislative Affairs Forum, Phoenix, January 1990.
- Speaker**, Fourth Annual State Telecommunications Issues Conference: Deregulation and Competition, September 1989.
- Speaker**, NARUC Introductory Training Program, October 1989.
- Keynote Speaker**, Pinal County Town Hall, April 1989.
- Panelist**, The Tucson Community Ethics Forum, January 1989.
- Speaker**, "A Comparison of Alternative Methods for Regulating Local Exchange Companies," US WEST Academic Seminar, August, 1988, and Sixth NARUC Biennial Regulatory Information Conference, September, 1988.
- Speaker**, "Municipalization of Electricity Provision: The Captive Customer's Strategy for Bypass," Sixth NARUC Biennial Regulatory Information Conference, September 1988.
- Keynote Speaker**, Women in Business Conference, Tucson, April 1988.
- Speaker**, "From Regulation to Competition—Beyond Rhetoric: The Status of Deregulation in the Telecommunications Industry," Western Conference of Public Service Commissioners, Durango, June 1987.
- Speaker**, "Communications Technology: Development and Economic Fallout," 98th NARUC Convention, Phoenix, November 1986.

CURRENT AND PAST GRANT FUNDING/PROJECTS:

Current Research Grants / As Principal Investigator

- Transboundary Aquifer Assessment Program (TAAP); USGS #G17AC00439; Amount: \$833,330; Period: 10/01/2017 - 09/30/2022.
- Addressing Water Quality and Quantity Questions to Secure a Water Future for Arizona; University of Arizona Hatch Project: ARZT-1361500-H55-102; Co-PI: J. McLain; Period: 10/01/2017 - 09/30/2022.
- Building Water Scenarios to Support Community Planning in Rural Arizona Through Collaborative Stakeholder Engagement Process Design; R19AC00075; Amount \$292,433.10; Period 09/01/2019-08/31/2021.
- 104b State Water Resources Research Institute Program; USGS #G16AP00039; Amount: \$277,005.00; 03/01/2016- 02/28/2021
- Water Resources Research Institute Annual Base Program; US DOI / USGS / NIWR #G16AP00039; Co-PI: J. McLain and S. Eden; Amount: \$92,335 (Annually); Period: 03/01/2016 - 02/28/2021.
- Joint Program Agreement with Lincoln Institute of Land Policy: The Lincoln Institute of Land Policy;

Amount \$45,000; Period: 06/12/2019-06/11/2020.

Past Grants

- Sky Island Waters Changing the Way that Water is Valued, Used, and Managed; Sky Island Alliance; #055524; Amount \$20,004.00; Period: 09/15/2018-08/31/2019.
- Exploratory Program Development and Follow-up for Land and Water in Arizona; The Lincoln Institute of Land Policy; Amount: \$20,000; Period: 02/04/2019 - 08/03/2019.
- Stakeholder-Driven Water Supply and Demand Analysis as a Foundation for Collaborative Planning in Cobre Valley, AZ; BOR #9FG-81-0143RI8AC00086; Amount \$43,240.95; Period: 09/14/2018-04/30/2019.
- Value of Water; Sky Island Alliance; Amount: \$64,124; Period: 01/01/2017 -01/14/2019.
- Tracing the Footprint of Private Water and the Colorado River Basin; The Lincoln Institute of Land Policy #VAB031618; Amount \$40,000.00; Period: 03/16/2018-12/31/2018.
- Needs Assessment and Recommendations for Water Resources in Cobre Valley; BOR / PAXO #R16AZ00139; Amount: \$47,000; Period: 09/01/2016 - 03/31/2018.
- Transboundary Aquifer Assessment Program (TAAP): Arizona Water Resources Research Center Effort; USGS #G16AC00427; Co-PI: C. Castro; Amount: \$166,667; Period: 09/01/2016 - 08/31/2017.
- A Survey of Groundwater Governance and Management Strategies, Challenges, and Opportunities Connected to Water Quality; Ground Water Research and Education Foundation (GWREF); Co-PI: A. Gerlak; Amount: \$49,967; Period: 10/1/2015 - 12/31/2016.
- Guidebook for the Environmental Flows Database; BOR / LCR #R15PX0055; Amount: \$98,457; Period: 10/01/2015 - 03/31/2017.
- Process Design for Translational Science and Effective Tools in Water Resources Management and Planning for the Upper Gila River; BOR / DLCC #R14AP00061; Amount: \$188,588; Period: 10/01/2014 - 09/30/2017.
- Connecting Water Quantity and Water Quality in Meeting Policy Objectives in the Arid Southwest; Hatch Project: ARZT-1360700-H55-101; Co-PI: J. McLain; Period: 10/01/2012 - 09/30/2017.
- Creation of and Assistance with Engagement Activities for a Conceptual Water Budget for the Upper Santa Cruz River (Nogales International Wastewater Treatment Plant to Amado, AZ); Sonoran Institute Charitable Grant (University of Arizona Foundation); Amount: \$13,954; Period: 03/15/2016 - 10/01/2016.
- Water Resources Research Institute Annual Base Program; US DOI / USGS / NIWR #G11AP20065; Co-PI's: J. McLain and S. Eden; Amount: \$92,335 (Annually); Period: 03/01/2011 - 02/29/2016.
- Connecting Water Conservation and Environmental Stewardship in the Colorado River Basin; The Walton Family Foundation (University of Arizona Foundation) #2011-772/2012-1059; Amount: \$428,780; Period: 08/01/2011 - 02/29/2016.
- Improving Integrated Surface Water and Groundwater Management in the United States; USGS / WRR 104(b) #2014AZ529 (b); Amount: \$7,500; Period: 03/01/2014 - 02/28/2015.
- Connecting Environmental Water Needs to Arizona Water Planning; Nina Mason Pulliam Charitable Trust (University of Arizona Foundation); Amount: \$338,000; Period: 08/01/2011 - 12/31/2014.
- Supporting Watershed Management Planning for People and the Environment in the Desert Landscape Conservation Cooperative Region: A Demonstration in the Upper Gila River Watershed; BOR / WaterSMART #R12AP80908; Co-PI: W. Brandau; Amount: \$150,000; Period: 10/01/2012 - 09/30/2014.
- Addressing Agricultural Water Security in the Colorado River Basin: Planning for Water Research, Extension and Education; USDA / NIFA; PI: Reagan Waskom, Colorado State University; Amount: \$150,000; Period: 09/01/2011 - 08/31/2014.
- Conserve to Enhance: Applying Innovate Mechanisms to Secure Water for the Environment; BOR #R10AC32047; Co-PI: J. Nadeau; Amount: \$197,712; Period: 07/01/2010 -06/30/2014.
- Utility Guide to Rainwater/Stormwater Harvesting as an Adaptive Response to Climate Change; BOR / WaterSMART #R11AP81530; PI's: S. Eden and J. Moxley; Amount: \$86,567; Period: 11/01/2011 - 03/31/2014.
- Evaluation of the Impact on Hydrologic Extremes from Climate Change; USGS / NIWR / IWR/ USACE #G12AP20029; PI: J. Valdes; Amount: \$80,073; Period: 11/01/2011 - 10/31/2013.
- Grey Water Filtration and Use in the Jordan Valley Using Jordanian Natural Resources; University of Arizona International Arid Lands Consortium; Amount: \$7,500; Period: 10/01/2012 - 09/30/2013.
- ICIWaRM Streamflow Forecasts Africa; USGS / NIWR / IWR / USACE #G13AP00001; PI's: A. Serrat Capdevila and J. Valdes; Amount: \$97,075; Period: 10/01/2012 - 09/30/2013.

Improving Hydrologic Investigation through Multi-Modal Analysis and Discriminatory Data Collection; USGS / NIWR / 104g #G10AP00135; PI: P. Ferre; Amount: \$122,136; Period: 09/01/2010 -08/31/2013.

Transboundary Aquifer Assessment Program—AZ’s Priority Aquifers, (TAAP-AZ Program is an UNESCO case study for the ISARM program, “Santa Cruz & San Pedro Aquifers”); USGS #08HQAG0058; Co-PI: C. Scott; Amount: \$331,999; Period: 03/17/2008 - 03/16/2013.

Arizona Water Management: Strategies for Meeting Water Demands of a Growing, Semi-arid Region; Hatch Project: 1363350-H-55-100; Effective Dates: 10/01/2009 - 09/30/2012.

Cooperative Agreement between University of Arizona Water Resources Research Center and the U.S. Geological Survey; USGS #G09AC00498; Amount: \$39,230; Period: 10/01/2009 - 06/30/2012.

Statewide Water Needs Assessment; Nina Mason Pulliam Charitable Trust (University of Arizona Foundation); Amount: \$72,514; Period: 01/01/2010 - 12/31/2011.

Arizona-Israeli-Palestinian Water Management and Policy Workshop: Economic, Environmental, and Community Implications of Expanding Reuse and Desalination for Future Use; NSF #OISE-0941166; Co-PI: R. Varady; Amount: \$47,329; Period: 07/01/2009 - 06/30/2011.

Water Resources Research Institute Annual Base Program; USGS / NIWR #06HQGR0072; Amount: \$461,675; Period: 03/01/2006 - 02/28/2011.

Arizona-Israeli-Palestinian Water Management and Policy Workshop: Economic, Environmental, and Community Implications of Expanding Reuse and Desalination for Future Water Supplies; U.S.-Israel Binational Science Foundation; Co-PI: R. Varady; Amount: \$25,000; Period: 07/01/2009 - 6/30/2010.

Water Storage and Recovery Programs in Arizona: Meeting Water Policy Objectives; Hatch Project, Accession Number 0204314; Effective Dates: 07/01/2005 - 9/30/2009.

Rapid Watershed Assessments; Natural Resource Conservation Service #68-94576453; PI: 09/01/2006 - 8/01/2008, Co-PI: 08/01/2009 - 6/30/2010-PI: K. Uhlman; Amount: \$165,000; Period: 09/01/2006 -06/30/2011.

Evaluation of the Arizona Department of Water Resources Management Plans for the Active Management Areas; Arizona Water Institute and Arizona Department of Water Resources; Amount: \$9,286; Period: 11/01/2006 - 12/31/2007.

Water Resource Availability for the Tucson Metropolitan Area; Metropolitan Pima Alliance; Amount: \$28,000; Period: 08/01/2005 - 08/01/2006.

Examination of Enhancement Projects in Arizona’s Environment; BOR #04-FG320270; Amount: \$99,485; Original Period: 08/01/2004 - 12/31/2005 / extended to 12/31/2009 and additional funding granted (11/01/06). Environmental Restoration, Preservation and Enhancement Projects in Arizona; USACE #W912PL-04-P-0045; Amount: \$12,500; Period: 05/01/2004 - 06/30/2005.

RECENT UNIVERSITY AND OTHER INSTRUCTIONAL AND SERVICE ACTIVITY NOT COVERED ELSEWHERE:

Member, Executive Committee, Arid Lands Resource Sciences GIDP Executive Committee, 2013-

Member, Executive Committee, MS in Water, Society and Policy. 2011-

Member, Executive Committee, Graduate Certificate in Water Policy, 2009-

Member, Executive Committee, University of Arizona TRIF Water Sustainability Program, July 2004-June 2012.

Co-chair, Provost’s Task force, School of Economics, September 2010- March 2011.

Member, Search Committee, Dean, College of Agriculture and Life Sciences, November 2010-May 2011.

Chair, Search Committee, Associate Director, WRRRC and Associate/Full Professor, Agricultural and Resource Economics, January 2010-.

Member, Economics Department Search Committee, 2009-2010

Arizona Water Policy (SWES, GRD, HWR, LAW, PLNN 596B), Spring Semester 2005 and 2006, sole instructor, Spring 2007, 2008, 2009, 2010, 2011.

Water, Society and Policy Seminar, RNR 696W, Fall 2011.

Member, Engagement and Service Working Group, Acquisition and Dissemination of Knowledge Team, WT 3B, UA NCA Accreditation Self-Study, 2009-2010.

Member, Arizona Cooperative Extension Advisory Committee, 2008-2009 and 2009-2010.

Mentor, UA Assurance Program for Undergraduates. 2009-2010.

Member College of Agriculture and Life Sciences Promotion and Continuing Status Committee, 2008-2009 and 2009-2010.

Chair, Dean’s Committee for Five-year Review of Director of School of Family and Consumer Sciences, 2009.

Member, Faculty Advisory Committee for the Institute of the Environment, August 2009-

Guest Lecture, Water Management and Policy Careers, Careers in Environmental Science Class, September 29, 2009.

Associate Editor, *Water*, an international journal.

Reviewer, National Science Foundation, May 2009; November 2009.

Reviewer, NCAR, 2009.

Reviewer, Proceedings of the National Academies of Science, 2009.

Reviewer, *International Journal of Environmental, Cultural, Economic and Social Sustainability*, 2009.

Proposal Review, Sultan Qaboos University, 2009.

Guest Lecture, "Water Management in Metropolitan Tucson," *Geography 375*, Metropolitan Tucson Course, October 23, 2008.

Guest Lecture, "Policy Issues Related to Agricultural Water Use in the Tucson AMA, Water Resources Geography Seminar Course, October 2, 2008.

Guest Lecture, "Long Range Water Planning in Central Arizona," Surface Moisture in Arid Lands Graduate Seminar, Professor Steve Yool, November 30, 2006.

Guest Professor, "Water Pricing," Problems in Microeconomics, AREC 504a, November 9, 2006.

Mentor, NASA Space Fellow Undergraduate Student, 2005-2006.

Faculty, Temple Emanu-El Adult Education Academy short course on Water Management in Tucson, Arizona and Israel, February-March 2007.

Student Advising (names underlined are those for whom I serve(d) as committee chair: **Ongoing:** Ph.D. Program in Arid Land Resource Sciences – Elia Tapia (Ph.D. Candidate), Mary Belle Cruz Alaya (Ph.D. Candidate), Ryan Lee (Ph.D. Candidate); Ph.D. in Soil, Water, and Environmental Science – Rebecca Bernat (Ph.D. Candidate); Nikki Tulley (Ph.D. Student); M.S. in Water, Society, and Policy, Collin Wogenstahl. **Completed:** Jake Golden, MS in Water, Society, and Policy, completed May 2018; Jenna Honan, MS, Environmental Science, completed August 2019; Ethan Vimont, M.S. in Soil, Water and Environmental Science, completed July 2017); Michael Davidson, Ph.D., Claremont Graduate University, completed June 2017; Alba Ramos, M.S. in Water, Society, and Policy, completed June 2017; Bailey Kennett, Craig Nelson, M.S. in Water, Society, and Policy, completed May 2017; Beth Kleiman and Andrew Lobo, MS in Water Society and Policy, completed December 2016; Brian O'Neill and Futha Al-Abdulrazzaq, MS in Water, Society, and Policy, completed May 2016; Tynan Hartzell (Undergraduate), Honors College, Sustainable Built Environment Program, completed May 2016; Reshet Gebremariam and Nathaniel Delano, MS in Water, Society, and Policy, completed December 2015; Marie-Blanche Roudat, first year advisor only (2015-2016), Ph.D. in Arid Lands Resource Sciences; Ling-Yee Huang, MS, Water, Society, and Policy, completed May 2015; Kelly Mott Lacroix, Ph.D., Arid Land Resource Sciences, completed January 2015 Eyad Yaqob, Ph.D., Environmental Engineering, University of Cincinnati (Informal Advisor 2012-2013); Sofia Grigera, MS, Water, Society and Policy, completed 2013; Jeremy Cusimano, MS, Soil, Water and Environmental Science, completed 2013; Brittany Choate, MS, Soil, Water and Environmental Science, completed 2012; Cado Daily, MS, Geography, completed 2012; Laura Suppes, Ph.D., Public Health, advisor for water policy minor; Matthew Narter, Ph.D., Soil, Water and Environmental Science, advisor for water policy minor, 2010-2011; Brian Cunningham, MS, Water, Society and Policy, Fall 2011; Valerie Herman, MS, Soil, Water and Environmental Science, completed 2011; Jorge Lara-Alvarez, MS, Agricultural and Resource Economics, completed 2011; Taylor Shipman, MS, Agricultural and Resource Economics, completed 2008; Miles Kiger, MS, Agricultural and Resource Economics, completed 2007; Steve DeGrush, MS, Planning, completed 2008; Andrew Schwarz, MS, Planning, completed 2007; Mini Kohli, Agricultural and Resource Economics, completed 2006. Other: MS in Water, Society, and Policy – Jessica Baxter (for 2016-2017 academic year only).

Have employed and supervised numerous graduate and undergraduate students.

SELECTED HONORS, RECOGNITION AND FELLOWSHIPS:

Warren A. Hall Medal, Universities Council on Water Resources (UCOWR). Notified December 20, 2019 that I will be presented this award in June 2020 at the UCOWR Annual Conference. The Warren A. Hall Medal is our prestigious, lifetime achievement award in water resources. From the UCOWR.org website: Dr. Warren A. Hall, known worldwide for his active involvement in water resources research and education, was one of the founders of UCOWR. The Warren A. Hall Medal is a memorial established by friends and family to recognize exceptional accomplishments and distinction of an individual in the water resources field.

Best Paper Honorable Mention, *Water International*: Wilder, M., Aguilar Barajas, I., Pineda Pablos, N., Varady, R.G., Megdal, S.B., McEvoy, J., Merideth, R., Zuniga-Teran, A.A., and Scott, C.A. (2016). Desalination and water security in the U.S.-Mexico border region: A framework to assess the social, environmental, and political

impacts. *Water International* 51(4), 756-775. <http://dx.doi.org/10.1080/02508060.2016.1166416>. Award made at the World Water Congress, Cancun, MX, June 1, 2017.

Crescordia Award for Environmental Excellence, Arizona Forward, Prize for excellence in public education on environmental issues awarded to Beyond the Mirage, a collaboration of the WRRC, College of Agriculture and Life Sciences, and Arizona Public Media, Phoenix, AZ, September 9, 2016.

Lifetime Achievement Award, Women of Influence Awards, Sponsored by Tucson Local Media and Inside Tucson Business, March 22, 2016.

Award of Merit, Environmental Education/Communication Category, Arizona Forward 35th Annual Environmental Excellence Awards, for Water RAPIDS Program, September 12, 2015.

2014 Distinguished Fellow, ASU Morrison Institute for Public Policy.

Lady Davis Visiting Professorship, March 2012.

Leading Edge Researcher, award presented at University of Arizona Innovation Day, March 6, 2012.

University of Arizona Distinguished Outreach Faculty Award, 2010.

Arizona Capitol Times 2010 Leaders of the Year in Public Policy Award for Government. Award presented to the Central Arizona Water Conservation District (Central Arizona Project) Board of Directors, Phoenix, AZ, September 28, 2010.

The Douglass Society, Induction September 2008. The Douglass Society, which as of 2016 is known as the Associate Alumnae of Douglass College Society of Excellence, recognizes Douglass College alumnae who have made outstanding contributions in their field of expertise and whose life work embodies exceptional accomplishments and leadership. Inducted for Distinction as an Economist and Water Resources Researcher, 2008

Beta Gamma Sigma, the National Business Honorary, 1984

Tucson YWCA Woman on the Move Award, 1989

Honorary Recognition Award, Soroptomist International of Desert Tucson, 1990

Named one of Valley's Most Influential Business Leaders for contributions to transportation, The Business Journal, Phoenix, October 2000.

Outstanding Person of the Year, Tucson Chapter of Women in Transportation Seminar, 2000

Board Leadership Award, Tucson Hebrew Academy, 2003-2004

Who's Who in America

Who's Who of American Women

Who's Who in the West

Who's Who of Emerging Leaders in America

Outstanding Young Women in America

International Who's Who of Professional and Business Women

Princeton University Fellowship, 1974-1978

Sloan Foundation Fellowship, 1976-1978

N.J. Urban Economics and State and Local Finance Fellowship, 1976-1978

Richard D. Irwin Foundation Fellowship, 1977-78

SELECTED CONSULTING CLIENTS:

US WEST Communications, Inc.:

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| Arizona | |
| Colorado | |
| New Mexico | Testimony filed, Docket 8754TC, September 1987; refiled March 1989; Testimony filed, Docket 92326TC, August 1992; application withdrawn, June 4, 1993 |
| Washington | Testimony filed, Docket U882052P, May 1988 |
| Montana | Comments filed, Docket 90.8.46, October 1990; Testimony filed, December 1990, November 1991; application withdrawn April 1992 |
| New Jersey Bell | Affidavit filed, Docket TO92030358, March 1992 |
| Southwestern Bell Telephone | |
| Missouri | Testimony filed, Docket TC8914, March 1989 |
| Texas | Testimony filed, Docket 8585, May 1989 |
| Kansas | Testimony filed, Docket 166,856U, September 1989 |
| Oklahoma | Testimony filed, Docket PUD 000837, August 1991; Application withdrawn by company, September 1991 |

Stentor Resources Centre, Inc. (Evidence Filed, Canadian Radio and Telecommunications Commission, Public Notice CRTC 9278, April 1993)
Bell Atlantic Mobile Systems, Inc. (Affidavit filed in FCC PR File No. 94SP2, September 1994)
Contel Service Corporation
Brooks Fiber Properties
GST Telecom
Arizona Public Service
Arizona Tax Research Association
Southern New Hampshire Water Company, Inc.
Central Telephone Company of Nevada (Testimony filed, Docket 89751, November 1989; Comments filed March 1990)
Tucson Board of Realtors
Pima County Flood Control District
Pinal County Water Augmentation Authority
Arizona Department of Water Resources
Pinal County Department of Civil Works
Maricopa County Charter Committee
Yuma Metropolitan Planning Organization
Arizona Department of Transportation
Maricopa County Department of Transportation
Town of Marana
International Boundary Water Commission
Farmers Investment Company (FICO)
Southern Union Company
Attorneys in private practice
Organisation for Economic Co-operation and Development (OECD)
Water research center in member country of Gulf Cooperation Council