

CURRICULUM VITAE

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Assistant Professor

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EDUCATION

- 2015 Ph.D., Arid Lands Resource Sciences, University of Arizona, Tucson, Arizona, United States
Dissertation: *From Neighborhoods to Wellbeing and Conservation: Enhancing the Use of Greenspace through Walkability*
Advisors: Gimblett, R.H. (co-chair), Orr, B.J. (co-chair), Marsh, S.E., Chalfoun, N.V., Guertin, D.P.
Major fields: Urban Planning; Environmental Sciences
- 2010 M.S., Architecture - Design and Energy Conservation, University of Arizona, Tucson, Arizona, United States
Thesis: *To develop a sustainable community at Starr Pass in Tucson, Arizona according to the LEED-ND guidelines*
Committee: Chalfoun, N.V. (chair), Jeffery, R.B., Hardin, M.
Major fields: Urban Design; Sustainability
- 1989 B.A., Architecture, Monterrey Institute of Technology and Higher Education (ITESM) — Monterrey, Mexico

EMPLOYMENT

- 2022 – present Assistant Professor (joint appointment), School of Geography, Development & Environment, and Udall Center for Studies in Public Policy, University of Arizona.
- 2019 – 2021 Assistant Research Scientist (joint appointment), Urban Planning Department and Udall Center for Studies in Public Policy, University of Arizona.
- 2017 – 2018 Staff Scientist/ Senior Lecturer (joint appointment), Udall Center for Studies in Public Policy, and the School of Landscape Architecture and Planning, University of Arizona.
- 2015 – 2017 Postdoctoral Research Associate/Lecturer (joint appointment), Udall Center for Studies in Public Policy, and the School of Landscape Architecture and Planning, University of Arizona.
- 2015 Research Specialist, Institute of the Environment, University of Arizona.
- 2014 – 2015 Graduate Research Associate, Institute of the Environment, University of Arizona.
- 2012 – 2013 Graduate Teaching Associate, Graduate Interdisciplinary Programs, University of Arizona.
- 2011 – 2012 Office Specialist. International Student Services, University of Arizona.
- 2011 Spanish Instructor, Graduate and Professional Student Council, University of Arizona.
- 2009 Tutor, Strategic Alternative Learning Techniques (SALT) Center, University of Arizona.

- 2006 – 2007 Adjunct Lecturer, Universidad La Salle del Noroeste & Instituto Tecnológico de Cajeme, Obregon, Mexico.
- 2002 – 2006 Architectural Designer, Proyectos y Construcciones del Noroeste. Obregon, Mexico.
- 1992 Architectural Designer, Constructora y Urbanizadora de Monterrey S.A., Monterrey, México.
- 1991 Architectural Designer, Despacho de Diseño Camargo y Amador, Monterrey, México.
- 1989 – 1991 Architectural Designer, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Eugenio Garza Sada, Monterrey, Mexico.
- 1989 – 1991 High School Teacher (Bicultural Program), Monterrey Institute of Technology and Higher Education (ITESM), Campus Eugenio Garza Sada, Monterrey, Mexico.

HONORS AND AWARDS (# student involved)

- 2022 Travel Award. Center for Latin American Studies, University of Arizona.
- 2022 Poster Award. Student Showcase. # C. Scarpitti and **A. Zuniga-Teran**. Workshop “State of the Art in Green Infrastructure Research & Practice: Reframing Stormwater from a Hazard to a Resource in Tucson, AZ.”
- 2021 Nominated by the College of Architecture, Planning and Landscape Architecture to the “Richard Ruiz Diversity Leadership Faculty Award” for working with Hispanic communities around greening efforts and community outreach.
- 2020 Best Paper Award in 2018 – *Water International*, for “Water security and the pursuit of food, energy, and earth system resilience.”
- 2019 Honorary Award. Arizona Chapter American Society of Landscape Architects. Project titled: Green infrastructure for social justice: Retrofitting a high school in south Tucson. University of Arizona # student team designed the campus for Star Academic High School. Co advisors: Yang, B., Zuniga-Teran, A., Murrieta, J., and Gerlak, A.
- 2019 Hispanic Serving Institution Fellow. Office of the Provost, University of Arizona.
- 2019 Recognition for the Star Academic High School project. Awarded by the Sunnyside Unified School District, Tucson, AZ,
- 2017 Honorary mention in 2016 by the International Water Resources Association, for paper “Desalination and water security in the US-Mexico border region: Assessing the social, environmental, and political impacts.”
- 2014 Arid Lands Resource Sciences Merit Award, University of Arizona.
- 2014 Graduate Fellowship. Graduate College, University of Arizona.
- 2014, 2013 The William A. Calder III Memorial Scholarship, Department of Ecology and Evolutionary Biology, University of Arizona.
- 2013 Poster Award. Student Showcase: Arid Lands Resource Science event. University of Arizona.
- 2013 Poster Award. Student Showcase: Graduate Professional Student Council. University of Arizona.
- 2013 Gloria Barron Scholarship. The Wilderness Society.

- 2012 Outstanding Graduate Teaching Assistant. Graduate Interdisciplinary Programs, University of Arizona.
- 2010 Earth Fellowship. The Institute of the Environment, University of Arizona.
- 2010 College of Architecture Planning and Landscape Architecture (CAPLA) Portfolio Competition Award. Arizona Builders Alliance.
- 2009 Outstanding Student Award. Sustainable Design and the LEED Initiative class, School of Architecture, University of Arizona.
- 2008 – 2013 *Consejo Nacional de Ciencia y Tecnología* (CONACYT) (National Council of Science and Technology) Full Scholarship. Mexican Government.

PUBLICATION/CREATIVE ACTIVITY (* dissertation work, # student involved, + award/honorary mention)

Chapters in scholarly books and monographs

1. Pamukcu-Albers, P., Acevedo, J.C., Ugolini, F., **Zuniga-Teran, A.A.** and Wu, J. (Accepted in final form). “Chapter 4 – Urban resilience through green infrastructure,” In *Adapting the Built Environment for Climate Change: Design Principles for Climate Emergencies*, edited by Pacheco-Torgal, F. and Goran-Granvist, C. Elsevier.
2. **Zuniga-Teran, A.A.** “Water Management in Ancient Maya Cities” (Accepted in final form). In *Water History in Latin-American Cultures*, edited by Romero López, R, Corzo Pérez, G.A., Hayde, L., Aparicio, R. Cid. Elsevier.
3. **Zuniga-Teran, A.A.**, Lara-Valencia, F., Norman, L., Murrieta, J. Buechler, S. (2021). “Hydrodiplomacy in Ambos Nogales: Lessons learned from binational water management.” Essay in Chapter 6 “Hydrodiplomacy” in [*Sustainable Development for the Americas: Science, Health, and Engineering Policy and Diplomacy*](#), edited by Colglazier, E.W., Vafai, H.A., Lansey, K.E., Bryson, M.D. Pp. 267-280.
4. Cordova, A., **Zuniga-Teran, A.**, Sproul, J. (2021). “Forging Sister Wetlands in El Paso, Texas and Ciudad Juárez, Mexico: Urban Transboundary Conservation and Restoration on the U.S-Mexico Border.” Essay in Chapter 6 “Hydrodiplomacy” in [*Sustainable Development for the Americas: Science, Health, and Engineering Policy and Diplomacy*](#), edited by Colglazier, E.W., Vafai, H.A., Lansey, K.E., Bryson, M.D. Pp. 279-285.
5. Varady, R.G., # Albrecht, T.R., Gerlak, A.K., Staddon, C. and **Zuniga-Teran, A.A.** (2021). “The water security discourse and its main actors.” Chapter 8 in [*Handbook of Water Resources Management*](#), edited by J.J. Bogardi, K.D. Wasantha Nandalal, R.R.P. van Nooyem, A Bhaduri, A.G. Kolechkina A.G. Springer. Pp. 215-52.
6. **Zuniga-Teran, A.A.** and C. Staddon. (2019). “Tucson, Arizona – A story of ‘water resilience’ through diversifying water sources, demand management, and ecosystem restoration.” Chapter 13 in [*Resilient Water Services and Systems: The Foundations of Well-Being*](#), edited by Juuti, P., Mattile, H., Rajala, R., Schwartz, K., and Staddon, C. IWA Publishing. Pp. 193-212.
7. * **Zuniga-Teran, A.A.** (2019). “Walkable Neighborhoods.” Essay in Chapter 15 “Urban ecology and modern life.” In [*Environmental Ethics: What Really Matters, What Really Works*](#), edited by Schmidtz, D., Shahar, D.C. Third Edition. New York: Oxford University Press. Pp. 609-614.

8. **Zuniga-Teran, A.A.** (2019). "Urban ecology." Essay in Chapter 15 "Urban ecology and modern life." In [*Environmental Ethics: What Really Matters, What Really Works*](#), edited by Schmidtz, D., Shahar, D.C. Third Edition. New York: Oxford University Press. Pp. 565-571.
9. * **Zuniga-Teran, A.A.** (2017). "Green infrastructure in walkable neighborhoods: A climate change adaptation strategy for cities in drylands." Chapter 5 in [*Climate Change Sensitive Cities: Building Capacities for Urban Resilience, Sustainability, and Equity*](#), edited by Delgado Ramos, G.C. Mexico: PINCC, UNAM. Pp. 163-79.
10. Megdal, S.B.; **Zuniga-Teran, A.A.**; Delano, N.; Varady, R.G.; Gerlak, A.K. and Vimont, E.T. (2017). "Groundwater governance in the United States: A Mosaic of approaches." Chapter 24 in [*Advances in Groundwater Governance*](#), edited by Villholth, K., Lopez-Gunn, E., Conti, K., Garrido, A., van Der Gun, J., Delft: CRC Balkema. Pp. 483-510.

Referred journal articles

1. Ocampo-Melgar, A., Lutz-Ley, A., **Zuniga-Teran, A.**, Cerda, C., Goiran, S. (2022). Desafíos para el Desarrollo sostenible en las zonas áridas de Latinoamérica (Sustainable development challenges for Latin American drylands). *Mètode Science Studies Journal*. Special Issue *Drylands*. Pp. 83-89.
2. **Zuniga-Teran, A.A.**, Fisher, L.A., Meixner, T., Le Tourneau, F-M., Postillion, F. (2022). [Stakeholder Participation, Indicators, Assessment, and Decision Making: Applying Adaptive Management at the Watershed Scale](#). *Environmental Monitoring and Assessment*, Vol. 194. Issue 156. Pp. 1-19.
3. **Zuniga-Teran, A.A.**, Tortajada, C. (2021). [Water demand management policies and their effects on water usage: The case of Tucson, Arizona](#). *Water Utility Journal*. Vol. 28. Pp. 1-17.
4. De Vito, L., Staddon, C., Ward, S., **Zuniga-Teran, A.A.**, Gerlak, A. (2021). [Aligning green infrastructure to sustainable development: Geographical contributions to an ongoing debate](#). *Area*. Pp. 1-10.
5. **Zuniga-Teran, A.A.**, Gerlak, A.K., # Elder, A., # Tam, A. (2021). [The unjust distribution of urban green infrastructure is just the tip of the iceberg: A systematic review of place-based studies](#). *Environmental Science and Policy*, Vol. 126. Pp. 234-245.
6. Garfin, G., Falk, D., O'Connor, C., Jacobs, K., Sagarin, R., Haverland, A., Haworth, A., Baglee, A., Weiss, J., Overpeck, J., **Zuniga-Teran, A.** (2021). [A new mission: mainstreaming climate adaptation in the US Department of Defense](#). *Climate Services*. Vol. 22. Pp. 1-13.
7. Gerlak, A.K., # Elder, A., Sanderford, A., **Zuniga-Teran, A.A.**, Pavao-Zuckerman, M. (2021). [Agency and Governance in Green Infrastructure Policy Adoption and Change](#). *Journal of Environmental Policy and Planning*. Vol. 23, No. 5. Pp. 599-615.
8. Gerlak, A.K., # Elder, A., Thomure, T., Shipek, C., **Zuniga-Teran, A.**, Pavao-Zuckerman, M., # Gupta, N., Mastler, M., Berger, L., Henry, A.D., Yang, B., Murrieta-Saldivar, J., Meixner, T. (2021). [Green infrastructure: Lessons in governance and collaboration from Tucson](#). *Environment: Science and Policy for Sustainable Development*, Vol. 63. Issue 3. Pp. 15-24.
9. Crosson, C., Achilli, A., **Zuniga-Teran, A.**, Mack, E., # Albrecht, T., Shrestha, P., Boccelli, D., Cath, T., Daigger, G., Duan, J., Lansey, K., Meixner, T., Pincetl, S., Scott, C.A. (2020). [Net Zero Urban Water from Concept to Applications: Integrating Natural, Built and Social Systems for Responsive and Adaptive Solutions](#). *ACS Environmental Science & Technology, Water*. Vol. 1. Issue 3. Pp. 518-529.
10. Scott, C.A., Zilio, M.I., Perillo, G.M.E., **Zuniga-Teran, A.A.**, Harmon, T. Escobar Jaramillo, J., Diaz Caravantes, R., Meza, F., Martin, F., Ribero Neto, A., Piccolo, M.C., Rusak, J., Varady, R.G., Pineda,

- N., Hoyos, N., Mussetta, P., Velez, M.I., Montenegro, S., Reid, B. (2020). [Do ecosystem insecurity and social inequity lead to failure of water security?](#) A synthesis of CRNH projects funded by the Inter American Institute for Global Change Research. Special issue in *Environmental Development*. Vol. 38. Pp. 1-13.
11. Lutz-Ley, A.N., Scott, C.A., Wilder, M., Ocampo-Melgar, A., Lara-Valencia, F., **Zuniga-Teran, A.A.**, Buechler, S., Diaz-Caravantes, R., Varady, R., Ribeiro Neto, A., Pineda Pablos, N., Martin, F. (2020). [Dialogic science-policy networks for water security governance in the arid Americas.](#) *Environmental Development* Special issue organized by the Inter American Institute for Global Change Research. Vol. 38. Pp. 1-14.
 12. **Zuniga-Teran, A.A.**, Mussetta, P. Lutz-Ley, A.N., Diaz-Caravantes, R.E., Gerlak, A.K. (2020). [Analyzing water policy impacts on vulnerability: Cases across the rural-urban continuum in the arid Americas.](#) *Environmental Development*. Special issue organized by the Inter American Institute for Global Change Research. Vol. 38. Pp. 1-13.
 13. Gerlak, A.K., **Zuniga-Teran, A.A.** (2020). [Addressing injustice in green infrastructure through socio-ecological practice: What is the role of university-community partnerships?](#) *Socio-Ecological Practice Research*. Vol. 2. Pp. 149-159.
 14. Varady, R.G., Gerlak, A.K., Mayer, B.M., # Albrecht, T., Lemos, M.C., **Zuniga-Teran, A.A.**, Wilder, M.O., Mukherjee, A., Ernst, K.C. (2020). [The exigencies of transboundary water security: Insights on community resilience.](#) *Current Opinion in Environmental Sustainability*. Special Issue: Resilience and Complexity: Frameworks and Models to Capture Social-Ecological Interactions. Vol. 44. Pp.74-84.
 15. Wilder, M., Varady, R.G., Gerlak, A.K., Mumme, S., Flessa, K., **Zuniga-Teran, A.A.**, Scott, C.A., Pineda Pablos, N., Megdal, S.B. (2020). [Hydrodiplomacy and adaptive governance at the U.S.-Mexico border: 75 years of tradition innovation in transboundary water management.](#) *Environmental Science and Policy*. Vol. 112. Pp. 189-202.
 16. **Zuniga-Teran, A. A.**, Gerlak, A.K., Mayer, B., Evans, T.P., Lansley, K.E. (2020). [Urban resilience and green infrastructure systems: Towards a multidimensional evaluation.](#) *Current Opinion in Environmental Sustainability* – Resilience and Complexity: Frameworks and Models to Capture Social-Ecological Interactions. Vol. 4. Pp. 42-47.
 17. Blanchon, D., Keck, F., Tonnelat, S., Le Tourneau, F-M., **Zuniga-Teran, A.A.** (2020). [Sentinel Territories: A new concept to look at environmental change.](#) *Metropolitics*. Pp. 1-6.
 18. Diaz-Caravantes, R.E., **Zuniga-Teran, A.A.**, Martin, F., Bernabeu, M.M., Scott, C.A., Stoker, P. (2020). [Urban water security: A comparative study of cities in the arid Americas.](#) *Environment and Urbanization*. Vol. No. 1. Pp. 275-294.
 19. * **Zuniga-Teran, A.A.**; Stoker, P.; Gimblett, R.H.; Orr, B.J.; Marsh, S.E.; Guertin, D.P.; Chalfoun, N.V. (2019). [Exploring the influence of neighborhood walkability on the frequency of use of greenspace.](#) *Landscape and Urban Planning*. Vol. 190. Pp. 1-12.
 20. Ward, S., Staddon, C., De Vito, L., **Zuniga-Teran, A.**, Gerlak, A., # Schoeman, Y., Hart, A., Booth, G. (2019). [Embedding social inclusiveness and appropriateness in engineering assessment of green infrastructure to enhance urban resilience.](#) *Urban Water Journal*. Pp. 1-12.
 21. **Zuniga-Teran, A.A.** and Gerlak, A.K. (2019). [A multidisciplinary approach to analyzing questions of justice issues in urban greenspace.](#) *Sustainability*, Vol. 11. Issue 11. No. 3055. Pp. 1-22.

22. **Zuniga-Teran, A.A.**, Staddon C., De Vito, L. Gerlak, A.K., Ward, S., # Schoeman, Y., Hart, A., Booth, G. (2019). [Challenges for mainstreaming green infrastructure in built environment professions.](#) *Journal of Environmental Planning and Management*. Vol. 63. No. 4. Pp. 710-732.
23. + Scott, C.A., # Albrecht, T., Routson de Grenade, R., **Zuniga-Teran, A.A.**, Varady, R.G., # Thapa, B. (2018 - **Best Paper Award**). [Water security and the pursuit of food, energy, and earth system resilience.](#) *Water International*. Vol. 43. No. 8. Pp. 1055-1074.
24. # Albrecht, T., Varady, R.G., **Zuniga-Teran, A.A.**, De Grenade R., Lutz-Ley A., Martin, F., Megdal, S.B., Meza, F., Ocampo-Melgar, D., Pineda, N., Rojas, F., # Taboada, R., Willems, B. (2018) [Unraveling transboundary water security in the arid Americas.](#) *Water International*. Vol. 43. No. 8. Pp. 1075-1113.
25. Staddon, C., Ward, S., De Vito, L., **Zuniga-Teran, A.**, Gerlak, A., # Schoeman, Y., Hart, A., Booth, G. (2018). [Contributions of green infrastructure to enhancing urban resilience.](#) *Environment, Systems and Decisions*. Vol. 38. Pp. 330-338.
26. Gerlak, A.K.; # House-Peters, L.; Varady. R.G.; # Albrecht, T.; **Zuniga-Teran, A.A.**; Cook, C.; Routson de Grenade, R.; Scott, C.A. (2018). [Water security: A critical review of place-based studies.](#) *Environmental Science and Policy*. Vol. 82. Pp. 79-89.
27. 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* Vol. 10. No. 6. Issue 735. Pp. 1-17.
28. # Albrecht, T., Varady, R.G., **Zuniga-Teran, A.A.**, Gerlak, A.K., Staddon, C. (2017). [Governing a shared hidden resource: A review of governance mechanisms for transboundary groundwater security.](#) *Water Security*, Vol. 2 Pp. 43-56.
29. * **Zuniga-Teran, A.A.**, Orr, B.J., Gimblett, R.H., Chalfoun, N.V., Guertin, D.P., Marsh, S.E. (2017). [Neighborhood design, physical activity, and wellbeing: Applying the Walkability Model.](#) *International Journal of Environmental Research and Public Health*. Vol. 14. No. 1. Issue 76. Pp. 1-23.
30. * **Zuniga-Teran, A.A.**, Orr, B.J., Gimblett, R.H., Chalfoun, N.V., Marsh, S.E., Guertin, D.P., Going, S.B. (2017). [Designing healthy communities: Testing the walkability model.](#) *Frontiers of Architectural Research*. Vol. 6. No. 1. Pp. 63-73.
31. Varady R.G., **Zuniga-Teran, A.A.**; Garfin, G.M.; Martin, F.; Vicuña, S. (2016). [Adaptive management and water security in global context: Definitions, concepts, and examples.](#) *Current Opinion in Environmental Sustainability* special issue "Environmental Change and Assessment." Vol. 21. Pp. 70-71.
32. * **Zuniga-Teran, A.A.**, Orr, B.J., Gimblett, R.H., Going, S.B., Chalfoun, N.V., Guertin, D.P., Marsh, S.E. (2016). [Designing healthy communities: A walkability analysis on LEED-ND.](#) *Frontiers in Architectural Research*. Vol. 5. Pp. 433-452.
33. Varady, R.G., **Zuniga-Teran, A.A.**, Gerlak, A.K., Megdal, S.B. (2016). [Modes and approaches of groundwater governance: A survey of lessons learned from selected cases across the globe.](#) In special issue "Water Governance, Stakeholder Engagement, and Sustainable Water Resources management," *Water*. Vol. 8. Issue 10. No. 417. Pp. 1-24.
34. + Wilder, M., Aguilar Barajas, I., Pineda Pablos, N., Varady, R., Megdal, S., McEvoy, J., Merideth, R., **Zuniga-Teran, A.**, Scott, C. (2016 - **Honorary Award**). [Desalination and water security in the US-](#)

[Mexico border region: Assessing the social, environmental, and political impacts.](#) *Water International*. Vol. 41. No. 5. Pp. 756-775.

35. Pasqual, J.C., # Peon Anaya, R., Lutz-Ley, A., **Zuniga-Teran, A.A.**, # Peralta Lugo, Y., Mejia Santellanes, J.A. (2016). COP21-CM11 Implications over Renewable Energy: Challenges to meet committed carbon emission reductions in Brazil and Mexico. *Desenvolvimento e Meio Ambiente* (Development and Environment). Vol. 37. Pp. 31-46.

Other Publications

Not-peer-reviewed articles

1. **Zuniga-Teran, A.A.** and Lutz-Ley, A. ¿Es la desalinización una opción sustentable para México? (Is desalination a sustainable option for Mexico?) (2017). *Ingeniería Civil* (Civil Engineering). Colegio de Ingeniería Civil de México (Civil Engineering College of Mexico). Pp. 15-18.
2. Pineda Pablos, N.; **Zuniga-Teran, A.A.** (2016). Planeación por escenarios para la seguridad hídrica (Scenario planning for water security). *Agua y Saneamiento* (Water and Sanitation). No. 67. Pp. 60-61.
3. **Zuniga-Teran, A. A.**, Diaz-Caravantes, R.E. (2015). La infraestructura verde: una estrategia de adaptación al cambio climático (Green infrastructure: a climate change adaptation strategy). *Agua y Saneamiento* (Water and Sanitation). No. 63. Pp. 89-91.

Other Scholarship (* dissertation work, # student involved)

White papers and professional reports

1. **Zuniga-Teran, A.**, Bernal, S., Iroz-Elardo, N., Colella, T., Williams, S., Bryson, M., Rodriguez, O., Eppard, J., Chesnot, Y. "Evaluating the impacts of the Corralitos Landfill on the quality of life of the residents of Las Cruces and Doña Ana County." Final Report submitted to the North American Development Bank. June 26, 2022.
2. Coronado, I., Lara-Valencia, F., Mumme, S (leading authors), Brown, C., Ganster, P., Garcia, H., Lybecker, D., Megdal, S., Sanchez, R., Sweedler, A., Varady, R., **Zuniga-Teran, A.** (2022). (contributing authors). [White Paper: "Water management on the US-Mexico border: Achieving water sustainability and resilience through cross-border cooperation.](#) White Paper submitted to the U.S. Commissioner of the U. S. International Boundary and Water Commission (IBWC) to respond to the challenges of US-Mexico border water management in the 21st century. Feb 4. 19 pp.
3. Lara-Valencia, F. Norman, L.M., García-Pérez, H., Díaz-Montemayor, G., López, C., García, M., Rodríguez Estrella, M.A., **Zuniga-Teran, A.**, Castellanos, E., # Schwartz, P., Lundell, T., # Anides Morales, A., # Rodríguez Ponce, O.A. (2021). Sustainable Strategies for Stormwater and Combined Sewer Overflows Control in Ambos Nogales. Funded by the US-Mexico Border 2020 Program through the Environmental Protection Agency, the North American Development Bank, and the Arizona Department of Environmental Quality. 32 pp.
4. **Zuniga-Teran, A.**, # Schwartz, P., # Rodríguez Ponce, O.A. (2020). A regulatory framework for green infrastructure in Ambos Nogales. Submitted to ASU partners as part of the project titled "Sustainable Strategies for Stormwater and Combined Sewer Overflows Control in Ambos Nogales." Funded by the US-Mexico Border 2020 Program. May 18.

5. **Zuniga-Teran, A.A.** (2020). Water Demand Management in Tucson, Arizona. Report prepared for the National University of Singapore. 53 pp.
6. Garcia Ochoa, R., Scott, C., **Zuniga, A.**, Cervera, L., Buechler, S. Peña, S., Muñan, J., # Martinez, K. (2019). [Transboundary impact assessment of wastewater infrastructure projects in Ambos Nogales.](#) Final Report submitted to the North American Development Bank. Contract No. CONTA18-005. 136 pp.
7. Staddon, C. de Vito, L. Zuniga-Teran, A., Schoeman, Y., Hart, A., Booth, G. (2017). [Contributions of Green Infrastructure to Enhancing Urban Resilience.](#) Agenda Setting Scoping Studies. Summary Report. The Resilience Shift. Arup. 20 pp.

Conference proceedings

1. * **Zuniga-Teran, A.A.** (2018). Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace. Paper presented at 55th International Making Cities Livable conference. Ottawa, Canada. May 17.
2. * **Zuniga-Teran, A.A.** (2017). The impacts of neighborhood design on physical activity and wellbeing. Paper presented at the 54th International Making Cities Livable Conference. Santa Fe, New Mexico. Oct. 5.
3. **Zuniga-Teran, A.**, Lutz-Ley, A., Peon, R. Pasqual, J., Peralta, Y. (2017). Planning for desalination: a comparative case study. Paper presented by **Zuniga-Teran, A.A.** and Lutz-Ley, A.N. at the XVI World Water Congress. Cancun, Mexico. May 31.
4. Gerlak, AK; House-Peters, L; # Albrecht, T; Cook, C; Routson de Grenade, R; Scott, CA; Varady, RG & **Zuniga Teran, A.A.** (2016). Water security: A critical review of recent studies. Presented by Gerlak, A. at the annual meeting of International Studies Association. Atlanta, GA. Mar. 17.

Work in Progress (# student involved)

In review

1. Garcia Ochoa, R., **Zuniga-Teran, A.**, Cervera, L., Scott, C.A., Peña Medina, S., Balarezo, T. Buechler, S., Muñan, J., #Martinez, K. Tipologías de opinion pública para evaluar políticas de saneamiento transfronterizo (Public opinion typologies to evaluate transboundary wastewater management policy). Submitted to *Estudios Fronterizos (Border Studies)*.
2. # Armenta-Ramirez, I. S., Reyes- Castro, P.A., **Zuniga-Teran, A.A.**, Olmedo-Munoz, M. The urban structure and pedestrian injuries: A typological analysis of pedestrian crashes in a Mexican city. Submitted to *Journal of Transport and Health*.
3. Gerlak, A.K., Baldwin, B., **Zuniga-Teran A.**, Colella, T., # Elder, A., Bryson, M., # Gupta, N., Yang, B., # Doyle, T., # Heflin, S., MacAdam, J., Hanshaw, K., McCoy, A., Wilson, K. A collaborative effort to address maintenance of green infrastructure through a university-community partnership. Submitted to *Socio-Ecological Practice Research*.
4. # Schwartz, P. **Zuniga-Teran, A.**, Lara-Valencia, F., Garcia-Perez, H., Diaz-Montemayor, G., Gil Anaya, C., Marruffo, J., # Rodriguez Ponce, O.A., # Holtzman, Z. Pathways to greening cities in the US-Mexico border: Unveiling transboundary institutional barriers to green infrastructure development at the watershed scale. Submitted to *Journal of Environmental Planning and Policy*.

In preparation

1. **Zuniga-Teran, A.**, Gonzalez, B., Yang, B., # Scarpitti, C., # Pineda, I., Murrieta, J., Peñuñuri, G., Hinojosa, E., Soto, K., Müller, S. (order TBD). Greenbelt as an urban planning approach to enhance resilience: The case of Hermosillo, Mexico. To be submitted to *Urban Geography*.
2. **Zuniga-Teran, A.** Garcia Ochoa, R., Cervera, L., Scott, C.A., Buechler, S., Peña, S., Balarezo, T., # Martinez, K. (order TBD). Impacts of binational wastewater infrastructure on human wellbeing in Ambos Nogales. To be submitted to *International Journal of Urban and Regional Research*.
3. Radonic, L., **Zuniga-Teran, A.** Water management in transition: A water justice framework for residential green infrastructure. To be submitted to *Environmental Planning and Policy*.
4. Le Tourneau, F-M., Blanchon, D., Boyer, A., Fisher, L., Wilder, B., **Zuniga-Teran, A.** (order TBD). Pima County (Arizona, USA) as a sentinel and an observatory of the socio-ecological complexity facing climate change. To be submitted to the *Comptes Rendus de l'Academie des Sciences* (Reports of the Academy of Sciences), as a special issue to valorize multi-disciplinary research and the innovative "human-environment observatories" network.
5. Garcia-Perez, H., Lara-Valencia, F., **Zuniga-Teran, A.** Seeing rain like a child: Engaging youth in climate change adaptation and disaster resilience in Ambos Nogales. To be submitted to *Local Environment*.
6. **Zuniga-Teran, A.**, García Ochoa, R., Cervera, L. Scott, C.A., Buechler, S., Peña, S., Balarezo, T., # Martinez, K. (order TBD). Impacts of binational wastewater infrastructure on human wellbeing in Ambos Nogales. To be submitted to *Journal of Borderland Studies*.

MEDIA*OpEds*

- 2022 Zuniga-Teran, A. "Poor neighborhoods suffer most from Phoenix' brutal heat. It doesn't have to be this way." AZ Central. Published on June 25, [here](#).

Expert interviews

- 2022 **Dispositif de Recherche Interdisciplinaire sur les Interactions Hommes-Milieux** (Interdisciplinary Research Device on Human-Environment Interactions, DRIIHM). Live video interview asked to share expertise on participatory assessment of environmental health. Video clip for educational materials. Nantes, France. June 21.

UNISON Communications. Group interview with University of Sonora communication staff Rubio, J.A. "El proyecto Infraestructura Verde impulsará ciudades sustentables: académicos" (The Green Infrastructure project will launch sustainable cities). Hermosillo, Mexico. Published on May 2, [here](#).

Proyecto Puente. Interviewed by journalist Gamboa, A. "Estudiantes de la Universidad de Arizona y Unison elaboran proyectos de infraestructura verde para Cerro Johnson en Hermosillo" (University of Arizona and Unison students develop projects for green infrastructure for the Johnson Hill in Hermosillo). Hermosillo, Mexico. Aired on Apr. 27 [here](#).

- 2021 **UNISON Communications.** Interviewed by University of Sonora communication staff López Martínez, D. "La infraestructura verde no es justa, privilegia a las zonas ricas: Adriana Zúñiga Terán"

(Green infrastructure is not just, it benefits wealthy neighborhoods: Adriana Zuniga Teran).
Hermosillo, Mexico. Nov. 11 [here](#).

Proyecto Puente. Interviewed by journalist Gamboa, A. about the 100K Strong in the Americas award to build capacity around green infrastructure in university students. Grant in collaboration with the University of Sonora. Hermosillo, Mexico. Published on Aug. 19 [here](#).

Environmental Health News. Interviewed by journalist intern McVeigh, Q. about the Tucson's 1 Million Trees initiative promoted by Major Regina Romero. Online. Published on May 14 [here](#).

Arizona Daily Star. Interviewed by environmental journalist Tony Davis about greenspace equity in Tucson. Phone. Published on Apr. 4 [here](#).

2020 **Southwest Center Podcast.** Interviewed by graduate student Schwartz, P. on water-wise infrastructure, urban greenspace/environmental justice, and transboundary water justice. Online. Published on July 17 [here](#).

WalletHub.com. Interviewed by Sanders, J. – Communications Associate for WalletHub – one of the leading outlets for the personal finance industry. Mr. Sanders asked questions about the challenges with beach front properties and the vulnerabilities to climate change, and what can be done to increase resilience. Online. Published on Jun. 17 [here](#).

2019 **Futurity.** Interviewed by Martin Reisch, M. "City parks are only as good as the trip to get there" that describes findings from the study "Exploring the influence of neighborhood walkability on the frequency of use of greenspace." Phone. Published on Aug. 2 [here](#).

Arizona Public Media. Aug. 1. Radio interview with Perkins, A. on study titled "Exploring the influence of neighborhood walkability on the frequency of use of greenspace." Phone. Aired on Aug. 2 [here](#).

UA News. Interviewed by Ober, A. about the study titled "Exploring the influence of neighborhood walkability on the frequency of use of greenspace." Phone. Published on Aug. 1 [here](#).

Landscape Architecture Magazine. Interviewed by Schuler, T. "Turn the temperature down – Tucson Verde Para Todos makes a local – and more equitable – approach to green infrastructure." Phone. Apr. 24. Vol. 109. No. 7.

2018 **High Country News.** Interviewed by Kutz, J. "Extreme heat hits Tucson's poor neighborhoods hardest," Phone. Published on Dec. 6 [here](#).

UA Journalism. Interviewed by a UA journalism student Gonzalez. A. Tucson, AZ. Published on Nov. 17.

2017 **Inc Magazine (Inc.com).** Interviewed by Hinds, R. on active transportation and the health advantages of walking and biking. Phone. Published on Dec. 18 [here](#).

Radio show InfoTrak. Interviewed by Radio Host and Executive Producer Meyer, R. about study on neighborhood design and wellbeing. Phone. Aired on Talk Zone on Apr. 24 [here](#).

Newsweek en Español (in Spanish). Interviewed by Tulio Castro, M. on study about desalination in the U.S.-Mexico border region. Phone. Published on Apr. 7 [here](#).

Dr. OZ The Good Life Magazine. Interviewed by reporter Ditrollo, M. on neighborhood design and wellbeing. Phone. Published on Mar. 14.

Men's Fitness. Interviewed by Bible, A. for article titled "Here's why your neighborhood can make (or break) your fitness." Phone. Published on Mar. 14 [here](#).

UANews. Interviewed by reporter Blue, A. on study on neighborhood design and walkability. Phone. Published on Mar. 9 [here](#).

UANews. Interview with reporter Abby Dockter, A. for article about the Haury Seed Grant Recipients. Phone. Published on Feb. 17 [here](#).

- 2016 **UANews.** Interviewed by Harwood, L. “UA Researchers Take a Closer Look at the Future of Desalination. As binational desalination plants are being considered as a strategy to combat water scarcity, scientists delve into the environmental, political, and social impacts” College of Social and Behavioral Sciences. Phone. Published on Jul. [here](#).

La Conversada. Live radio interview with reporter Yañez, B., with colleagues America Lutz, and Yulia Peralta about a scenario planning workshop that we helped facilitate in Hermosillo, led by consultant Ralph Marra at *Agua de Hermosillo* (Hermosillo water utility company). Radio station. Hermosillo, Mexico. Aired Apr. 7.

Work cited in the media

- 2022 **UNISON Communications.** “Inician trabajos del proyecto Infraestructura Verde entre Unison y Universidad de Arizona” (Project launched on green infrastructure between Unison and University of Arizona). Apr. 25, 2022. Available [here](#).
- UNISON Communications.** By Espinoza, B. “Cerro Johnson y Parque de Agua de Lluvia de Hermosillo, proyectos de infraestructura verde” (Johnson Hill and Raingarden in Hermosillo, green infrastructure projects). Article by Beatriz Espinoza. April 26, 2022. Available [here](#).
- UNISON Communications.** By Espinoza, B. “Cerro Johnson y Parque de Agua de Lluvia de Hermosillo, proyectos de infraestructura verde” (Johnson Hill and Raingarden in Hermosillo, green infrastructure projects). Article by Beatriz Espinoza. April 26, 2022. Available [here](#).
- 2021 **El Diario de Sonora.** Rubio, V. “Prepara secundaria programa de infraestructura verde; Buscan presentar un mejor use al agua de las lluvias en Nogales, Sonora” (Middle school prepares green infrastructure program: They promote a better use for rainwater in Nogales, Sonora). Published on Oct. 1. Available [here](#).
- 2018 **iGlobes News and Events.** “UA Senior Lecturer Adriana Zuniga Presenting at the Observatory Workshop in France.” Oct. 8-10 [here](#).

CONFERENCES/SCHOLARLY PRESENTATIONS

Keynote Speaker

- 2021 **Zuniga-Teran, A.,** Gerlak, A. “Desarrollo sustentable: Justicia en los espacios verdes” (Sustainable development: Justice in greenspace). Invited keynote talk presented virtually by **A. Zuniga-Teran**. III International Congress on Architecture. Topic: Sustainability and Water Resources. University of Sonora. Nov. 19.
- 2021 **Zuniga-Teran, A.** and Gerlak, A. 2021. “Diseño urbano sustentable: Justicia en los espacios verdes urbanos” (Sustainable urban design: Justice in urban greenspace). Invited keynote talk presented virtually by **A. Zuniga-Teran** for the *Seminario Permanente de Posgrado en Ciencias y Artes para el Diseño* (Permanent Postgraduate Seminar in Science and Arts for Design). Universidad Autónoma Metropolitana (Autonomous Metropolitan University), Mexico. March 31.

Seminars (# student involved)

- 2022 Gonzalez, B., **Zuniga-Teran, A.**, Yang, B., Loreda, R., Murrieta, J., Peñúñuri, G., Hinojosa, E., Soto, K., # Pineda, I. “Los anillos verdes como una estrategia de planeación para aumentar la resiliencia urbana: El caso de Hermosillo, Sonora” (Greenbelts as a planning strategy to enhance urban resilience: the case of Hermosillo, Sonora). Invited talk presented virtually by **Zuniga-Teran, A.** at the Institute of Geography Forum, Academic Talks, Universidad Autónoma de México (UNAM). May 6.
- 2021 Gonzalez, B., **Zuniga-Teran, A.**, B. Yang, B., Murrieta, J., Peñúñuri, G., Hinojosa, E., Soto, K., # Pineda, I. “Green Infrastructure for Stormwater Management in Hermosillo, Mexico: Soil Recondition and Site Design.” NADBank UMI Seminar #5: Urban Green Infrastructure (virtual). Panelists: G. Peñúñuri, S. Müller, **A. Zuniga-Teran**. Moderator: J. Murrieta. Dec. 7.
- 2021 Gerlak, A. and **Zuniga-Teran, A.** “[University-community partnerships: A strategy to mitigate inequities in urban green infrastructure.](#)” Presented virtually by **A. Zuniga-Teran** as a “Lighting Talk” for the seminar “Geography 2025: Towards a More Equitable Future”, organized by the American Geographical Society. Nov. 15-19.
- 2021 **Zuniga-Teran.** “Modelo de Involucración Ciudadana: Diseño Participativo de infraestructure verde” (Community engagement model: Participatory landscape design for green infrastructure). *Seminario: Agua, Medio Ambiente, y Sociedad* (Seminar: Water, Environment and Society). Virtual seminar organized by the University of Guerrero, Mexico. Aug. 20.
- 2020 Gerlak, A. and **Zuniga-Teran, A.** “University-community partnerships: A strategy to mitigate inequities in green infrastructure.” Presented virtually by **A. Zuniga-Teran.** *Human Environment Systems Seminar.* Boise State University. Oct. 7.

Conferences

- 2022 Lara-Valencia, F., **Zuniga-Teran, A.** “Community engagement for green infrastructure in the US-Mexico borderlands.” Association of Borderlands Studies Annual Meeting. Denver, CO. Apr. 2.
- 2019 Cordova, A., **Zuniga-Teran, A.A.**, and Sproul, J. “Forging sister wetlands in El Paso, Texas and Ciudad Juarez, Mexico: Urban transboundary restoration and conservation.” Science Diplomacy Conference. University of Arizona. Oct. 24.
- Varady, R.G., Gerlak, A.K., Albrecht, T., **Zuniga-Teran, A.**, Mayer, B.M., Lemos, M.C., Wilder, M.O. “The exigencies of transboundary water security and the role of community resilience. Presented by R. Varady at the Water Future Conference, “Towards a Sustainable Water Future.” Bangalore, India. Sept. 26.
- 2018 **Zuniga-Teran, A.A.** “Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace.” Presented at 55th International Making Cities Livable conference. Ottawa, Canada. May 17.
- 2017 **Zuniga-Teran, A.A.** “Neighborhood design, physical activity and wellbeing.” Presented at the 54th International Making Cities Livable conference. Santa Fe, NM. Oct. 5.
- 2016 **Zuniga-Teran, A.A.** From designing buildings to researching deserts. Presented at Session 5: Water-Energy-Food Nexus. SWAN International Conference. Tucson, Arizona. Feb. 16-17.

Workshops (# student involved)

- 2022 Fisher, L., **Zuniga-Teran, A.**, Meixner, T. Environmental issues in the Santa Cruz Watershed (with focus on the Cienega Watershed). Invited talk presented at a workshop organized by the *Laboratoire d'Excellence* (Laboratory of Excellence, Labex), which is part of the *Dispositif de Recherche Interdisciplinaire sur les Interactions Hommes-Milieux* (Interdisciplinary Research Device on Human-Environment Interactions, DRIHM)- Research Project *Connexions, Déconnexions et Reconnexions dans les Socio-Hydrosystèmes* (Connections, Disconnections, Reconections in Socio-Hydrosystems, HYDECO). Workshop 1 - *Observatoire Homme-Milieu International* (International Observatory Human-Environment, OHMI) Pima County. Mar. 10.
- 2021 **Zuniga-Teran, A.** "Green infrastructure in Ambos Nogales: A decentralized solution to binational environmental challenges." Presented at the virtual workshop titled *Green Infrastructure in Ambos Nogales: Today and Tomorrow*. Jul. 8.
- 2021 **Zuniga-Teran, A.** "Modelo de involucración comunitaria: Diseño participativo de infraestructure verde" (Community engagement model: Participatory design for green infrastructure). Presented at the virtual workshop titled *Infraestructure verde en Ambos Nogales: Hoy y Mañana* (Green infrastructure in Both Nogales: Today and Tomorrow). Jul. 9.
- 2020 **Zuniga-Teran, A.** "Participatory assessment of potential mining impacts in the Cienega Watershed." Presented at the panel titled "Assessing and regulating the socio-environmental impacts of resource extraction" at the Workshop "Resource extraction: Impacts, resistance and conflict resolution?" organized by the Udall Center and the French *Centre National de la Recherche Scientifique* (National Center of Scientific Research, CNRS)-iGlobes, University of Arizona. Tucson, AZ. Jan. 27-28.
- 2020 **Zuniga-Teran, A.A.**, Murrieta, J., Garcia-Perez, H., Buechler, St. Lara-Valencia, F. # Spickard, G. "Second Planning Workshop: Raingardens for my School". This workshop was the conclusion of the project titled "Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales," funded by the Arizona-Sonora Inter-University Alliance. This project promoted collaboration between Arizona State University, Colegio de la Frontera Norte-Nogales, the University of Arizona, and Watershed Management Group. Sep. 24.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at workshop "Resilience and Complexity" organized by Centre National de la Recherche Scientifique UMI-iGlobes. University of Arizona. Apr. 12.
- 2017 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. "Equity in green infrastructure: A case study in Tucson, AZ." Presented by **Zuniga-Teran, A.** at the Resilience & Complexity Workshop. University of Arizona. Tucson, Arizona. Nov. 6.
- 2018 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** "Urban resilience and green infrastructure: A case study of environmental justice in Tucson, AZ" at the event "Urban Resilience Networking Hour," University of Arizona. Sep. 19.
- 2017 **Zuniga-Teran, A.A.** "UNMASKing the interactions among food-water-energy security and climate risks in cities" National Center for Atmospheric Research, Boulder, Colorado, Oct.2-3.
- 2016 **Zuñiga-Terán, A.A.**, and # T. Albrecht. "Diversity as a key element of urban resilience." (Presented by Charles Breen) at "Achieving Resilience by Design," workshop organized by the International

Water Security Network at the Institute of Natural Resources. Pietermaritzburg, South Africa. Aug. 10.

- 2016 **Zuniga-Teran, A.A.** and N. Pineda Pablos. Desalinización binacional en la frontera entre EE.UU. y México: Un caso de estudio en Puerto Peñasco. Presented at water governance workshop “Buenas practicas de gobernanza del agua: Adaptando enfoques existosos hacia la seguridad hídrica en Mendoza, Argentina, y en otras regions áridas del continente americano.” Mendoza, Argentina. Aug. 4.
- 2015 **Zuniga-Teran, A.A.** Green infrastructure as a climate change adaptation strategy in cities in arid lands. Presented at Working group 3: Urban Settlements and Climate Change. Climate Change Workshop organized by Universidad Autónoma de México (UNAM). La Paz, Baja California Sur, Mexico, Nov. 17 – 20.
- 2015 **Zuniga-Teran, A.A.** Taller de Ciudades Sustentables (Sustainable Cities Workshop). Presented at the VI International Congress on Sustainable Development- Sustainability in Border Cities. Instituto Tecnológico de Nogales. Nogales, Sonora, Mexico. Oct. 21.

Symposia

- 2022 Fisher, L., **Zuniga-Teran, A.**, Meixner, T. “Stakeholders, indicators, assessment and decision-making: applying adaptive management at the watershed scale.” Presented by Fisher, L., **Zuniga-Teran, A.**, *Laboratoire d'Excellence* (Laboratory of Excellence, Labex) *Dispositif de Recherche Interdisciplinaire sur les Interactions Hommes-Milieus* (Interdisciplinary Research Device on Human-Environment Interactions, DRIHM) International Symposium. Nantes, France. June 20-22.
- 2021 Scott, C.A., Varady, R.G., Zuniga-Teran, A. “Water security in the arid Americas: The AQUASEC science-policy network. Presented virtually by R. Varady at the North American Climate Services Partnership (NACSP) forum. April 22.
- Zuniga-Teran, A.**, Lara-Valencia, F., Garcia-Perez, H., Murrieta, J., Buechler, S., Estrella, M.A., Castellanos, E. “Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales.” Presented by **Zuniga-Teran, A.** at the Symposium on Resilience Research for Global Development Challenges. Organized by Arizona Institutes for Resilience (AIRES) International Programs. University of Arizona, Tucson AZ. Sep. 30.
- 2021 **Zuniga-Teran, A.** “Equity in green infrastructure: Community engagement in Tucson and Ambos Nogales.” Presented virtually during the Climate Pilot Project Symposium *Crossing Latinidades* organized by the University of Illinois, Chicago. Funded by the Andrew Mellon Foundation. Apr. 9.
- 2019 **Zuniga-Teran, A.A.**, Gerlak, A., Buechler, S., Scott, C. “Net Zero Urban Water – Public Policy Component.” Presented by **Zuniga-Teran, A.** RESTRUCT Built Environment Research Symposium. University of Arizona. Tucson, Arizona. Dec. 12.
- 2017 **Zuniga-Teran, A.A.** Participated in the CAPLA Spring Symposium. The talk was titled: “Neighborhood design, physical activity, and wellbeing”. Symposium held at the College of Architecture, Planning and Landscape Architecture at the University of Arizona on Apr. 11.

- 2016 **Zuniga-Teran, A.A.** Binational desalination in the U.S.-Mexico border: A case study of the proposed Puerto Peñasco desalination plant. Presented at the International INSAKA Research Symposium. Kafue, Zambia. Jun. 15.
- 2016 Varady, R.G., Scott, C.A., **Zuniga-Teran, A.A.**, Buechler, S., Gerlak, A., Wilder, M. "Aspects of water ethics and governance." Presented at the Water Ethics Symposium - Building strategies for water ethics: Future direction in research and education. University of Arizona. Tucson, AZ, Apr. 25.

Webinars

- 2021 Episode 5 of the Water Solutions for Our Warmer World Series titled "[Water and Infrastructure: Building for the Future.](#)" Keynote talk by Cathleen Kelly. Panel moderated by Courtney Crosson. Invited panelists: B. Ayyub, **A. Zuniga-Teran**, D. Herd. Virtual event organized by the Arizona Institutes for Resilience, Water Resources Research Center, and the Udall Center for Studies in Public Policy. University of Arizona. Oct. 20.
- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. "Equity in green infrastructure: A case study in Tucson, AZ." Presented by **Zuniga-Teran, A.** 2019 at the webinar *The Global Water Security Challenge* organized by the International Water Resources Association. Apr. 16.

Congresses

- 2019 Varady, R.G., Mumme, S., Gerlak, A.K, Megdal, S.B., Wilder, M.O., Pineda, N., Scott, C.A., Flessa, K.W., Zuniga-Teran, A. *Sesenta y cinco años de hidrodipomacia en la frontera EUA-México* (Seventy five years of hydrodiplomacy in the US-Mexico border). Presented by R. Varady at the Second International Congress *Agua para el Futuro* (Water for the Future), organized by the *Departamento General de Irrigación* (General Irrigation Department), the water agency of Mendoza, Argentina. Mar. 7-8.
- Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** "Involucrando a las comunidades para un Tucson más equitativo y verde" (Engaging communities for a more equitable and greener Tucson). Presented at the Second international congress *Agua para el Futuro* (Water for the Future), organized by the *Departamento General de Irrigación* (General Irrigation Department), the water agency of Mendoza, Argentina. Mar. 7-8.
- 2018 Gerlak, A. and **Zuniga-Teran, A.** "Equity in green infrastructure: A case study in Tucson, Arizona." Knowledge Conclave *cum* Workshop – Nature-Based Solutions to Water Security. AAETI, Nimli, Rajasthan, India. 27-30 November.
- 2018 Scott, C.A., **Zuniga-Teran, A.A.**, Palomo, I, Calbimonte, G. "Contribuciones del equipo de la UA." Presented at the congress "Desafíos en seguridad hídrica y resiliencia ante el cambio global en zonas áridas del continente americano." Guaymas, Sonora, Mexico. Apr. 18.
- 2018 Scott, C.A., **Zuniga-Teran, A.A** and Palomo, I. "Seguridad hídrica en el desierto de Sonora: Cuencas, ciudades y frontera." Presented at the congress "Desafíos en seguridad hídrica y resiliencia ante el cambio global en zonas áridas del continente americano." Guaymas, Sonora, Mexico. Apr. 18.

- 2017 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. "Equity in green infrastructure: A case study in Tucson, AZ." Presented by A. Gerlak at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 Staddon, C., **Zuniga Teran, A.**, Shoeman, Y., DeVito, L., Arcadis. "Contributions of green infrastructure to urban resilience." Presented by Staddon and **Zuniga Teran** at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 Albrecht, T. R., R. G. Varady, **A. A. Zuniga-Teran**, R. De Grenade, A. Lutz-Ley, F. Martín, S. B. Megdal, F. Meza, D. Ocampo Melgar, N. Pineda, F. Rojas, R. Taboada, B. Willems. "Transboundary water security in the arid Americas." Presented by Varady and **Zuniga-Teran** at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 **Zuniga-Teran, A.**, Lutz-Ley, A., Peon, R. Pasqal, J., Peralta, Y. "Planning for desalination: a comparative case study." Presented by **Zuniga-Teran, A.A.** and Lutz-Ley, A.N. 2017. Participated in the XVI World Water Congress. Cancun, Mexico. May 31.
- 2016 Scott, C. A., R. G. Varady, and **A. A. Zuñiga-Terán**. "Science-policy dialogues and resilience." Presented (by Charles Breen) at "Achieving Resilience by Design," workshop organized by the International Water Security Network at the Institute of Natural Resources. Pietermaritzburg, South Africa. Aug. 10.
- 2016 Gerlak, A. K., # L. House-Peters, # T. Albrecht, C. Cook, R. Routson de Grenade, C. A. Scott, R. G. Varady, and **A. Zuñiga-Terán**. (Presented by A. Gerlak). Water security: A critical review of recent studies. Presented at annual meeting of International Studies Association, Atlanta, GA, Mar. 17.
- 2016 Garcia, H., **Zuniga-Teran, A.A.** 2016. "Huertos comunitarios, dieta, y actividad física en población femenina en las ciudades de la frontera norte" (Community gardens, diet, and physical activity in female populations of cities along the northern Mexican border). Presented at the *Red de Cooperación Binacional para Comunidades Saludables* (Binational Cooperation Network for Healthy Communities). Nogales, Mexico. May 9.
- 2015 **Zuniga-Teran, A.A.** Desde las Colonias hasta el Bienestar y la Conservación: Aumentando el Uso de los Espacios Verdes a través de la Caminabilidad. (From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability). Presented at the 1st International Congress of Urbanism, City, Urban Policy, and Borders. Instituto Tecnológico de Nogales. Nogales, Sonora, Mexico. Sep. 30.

Research presentations (# student involved)

- 2022 **Zuniga-Teran, A.** "Contribuciones de la infraestructura verde a la resiliencia urbana" (Contributions of green infrastructure to urban resilience). 100K Strong in the Americas Project. Visit of students and faculty from the University of Sonora. Mar. 15.

- 2022 Gerlak, A. and **Zuniga-Teran, A.** “University-community partnerships: A strategy to mitigate inequities in urban green infrastructure.” Presented virtually by **A. Zuniga-Teran** as part of the 2022 CAPLA Research Showcase. Jan. 27.
- 2021 # Pineda, I., Gonzalez, B., **Zuniga-Teran, A.**, Murrieta, J. “Infraestructura verde para manejo de agua de lluvia: Reacondicionamiento del suelo y diseño del sitio” (Green infrastructure to manage runoff: Soil reconditioning and site design). Presented at the Universidad de Sonora in Hermosillo, Sonora. Nov. 3.
- 2021 # Pineda, I., Gonzalez, B., **Zuniga-Teran, A.**, Murrieta, J. “Infraestructura verde para manejo de agua de lluvia: Reacondicionamiento del suelo y diseño del sitio” (Green infrastructure to manage runoff: Soil reconditioning and site design). Presented at the *Instituto Municipal de Planeación* (Municipal Planning Institute, IMPLAN) offices in Hermosillo, Sonora. Nov. 3.
- 2021 **Zuniga-Teran, A.**, Fisher, L., Meixner, T. “The State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop. Hybrid mode. In person at the Udall Center for Studies in Public Policy. University of Arizona, Tucson, AZ. Oct. 5.
- 2020 **Zuniga-Teran, A.** “State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop, via Zoom. Sep. 18.
- 2019 **Zuniga-Teran, A.A.** “State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop. University of Arizona. May 21.

Poster presentations (# student involved, + award)

- 2022 + # Scarpitti, C., **Zuniga-Teran, A.** “Greenbelts as an urban planning approach in Latin American Cities: Missing social factors.” Presented at the Workshop titled: “State of the art in green infrastructure research and practice.” Organized by the Udall Center for Studies in Public Policy. Apr. 6.
- 2022 Gonzalez, B., Zuniga, A., Yang, B. Murrieta, J., Peñúñuri, G., Hijonosa, E., Soto, K., # Pineda, I. Presented by **Zuniga-Teran, A.** American Association of Geographers (AAG) Annual Meeting. Virtual guided poster titled: “Framing urban green initiatives – Green infrastructure for low-income residents in Hermosillo, Mexico.” Feb. 26.
- 2018 **Zuniga-Teran, A.A.**, Fisher, L., Meixner, T. McFarlin, S. Postillion, 2018. F. Presented by Zuniga-Teran, A. Poster presentation at UHMI Seminar in La Martigue, France. Oct. 8-10.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at Student Showcase: Grad Blitz by the Institute of the Environment. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation: College of Agriculture and Life Sciences Interdisciplinary Showcase. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Professional Student Council. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at Student Showcase: Arid Lands Resource Sciences Welcome Event. University of Arizona, Tucson, Arizona. Sep.
- 2013 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Professional Student Council. University of Arizona, Tucson, Arizona. Nov.

- 2013 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Interdisciplinary Programs. University of Arizona, Tucson, Arizona. Nov.

MODERATOR & FACILITATOR

- 2020 Moderated the session titled “Regional Sustainability” under the broad banner of “Data-Driven Discovery at the US-Mexico Border.” This participation represented the University of Arizona at the Border Solutions Alliance convocation held at the National Academy of Sciences, Engineering and Medicine in Washington DC. Feb. 6.
- 2019 **Zuniga-Teran, A.** “Water management in Ambos Nogales.” Introduction to the session “Hydrodiplomacy in Ambos Nogales: Lessons from Binational Water Management.” Panel members: Lara-Valencia, F., Norman, L., Murrieta, J., Buechler, S. Science Diplomacy Conference. University of Arizona, Tucson, AZ. Oct. 25.
- 2018 **Zuniga-Teran, A.A.** “Planeación por Escenarios para El Colegio de Sonora.” Facilitated a 3-day Scenario Planning workshop for El Colegio de Sonora in Hermosillo, Sonora, Mexico. Jun. 25-27.
- 2016 Marra, R., **Zuniga-Teran, A.A.** Lutz-Ley, A. Peralta, Y., Mejia, J. “Scenario planning workshop and rationale to water interests in Hermosillo.” El Colegio de Sonora and Agua de Hermosillo. Hermosillo, Mexico. Apr. 8-9.

SYNERGISTIC ACTIVITIES

- 2022 Led a student exchange project with the University of Sonora to build capacity around green infrastructure practices for future built environment professionals working in cities in arid regions.
- 2022 Gave opening remarks at the inauguration of the 100K Strong in the Americas Innovation Fund Project at Universidad de Sonora, Mexico. April 25.
- 2022 Organized a full day hybrid workshop titled “State of the art in green infrastructure research and practice: Reframing stormwater from a hazard to a resource in Tucson, AZ.” Sponsored by the Udall Center for Studies in Public Policy and co-sponsored by many other local organizations. Included a student poster competition. 100 attendees in person and 40 online. Held in person at ENR2 S107 at the University of Arizona. Also gave opening and concluding remarks. April 6.
- 2021 Organized a virtual lecture for the Udall Center for Studies in Public Policy around Equity, Diversity and Inclusion titled “[Combatting systemic racism with educational equity](#)” by Dr. Tori Thomas from the Kinder Institute at Rice University. Apr. 23.
- 2021 Participant on the nation-wide project “Crossing Latinidades” led by faculty at the University of Illinois – Chicago, with funding from the A. Mellon Foundation. Jan – Jul.
- 2020 Co-organized a virtual lecture for the Udall Center for Studies in Public Policy around Equity, Diversity and Inclusion titled “Courageous Conversations” with Ashley LaRusse. Feb. 19
- 2020 Hosted a virtual talk by Marie-Noëlle Carré from the *Centre de Recherche et de Documentation des Ameriques* in Canada. The title of Dr. Carré’s talk is “A Tale of Two Quarries: Recycling post-extractive areas in Greater Montreal.” Apr. 14.
- 2020 Hosted a discussion with Dr. Tania Martinez at the Udall Center for Studies in Public Policy. Dr. Martinez is an Indigenous Mixe female scientist from Oaxaca, Mexico, who has won awards for her work on traditional maize growing practices. Feb. 3.
- 2020 Participated on a panel for the seminar “Women in STEM” organized by UA Global. This initiative brought 45 female students in STEM fields from Mexico to the University of Arizona. Feb. 3
- 2020 Co-organized, moderated a panel, and presented at the workshop titled “Resource extraction: Impacts, resistance and conflict resolution?”. Workshop organized in collaboration with UMI-iGlobes and the Udall Center for Studies in Public Policy. University of Arizona. Jan. 27-29.

- 2020 Participated in the Townhall on Advancing STEM Equity at Minority Serving Institutions. University of Arizona. Tucson, AZ. Jan. 23.
- 2019 Chaired the session titled “Hydrodiplomacy in Ambos Nogales: Lessons from Binational Water Management.” Science Diplomacy Conference. University of Arizona, Tucson, AZ. Oct. 23-25.
- 2019 Participated in the “University of Arizona Master Plan Workshop.” As part of the Strategic Planning, the UA master plan is adapted to fit the needs of the growing campus. Old Main Building, University of Arizona. Aug. 12.
- 2019 Participated in the “Healthy Borders Healthy Waters Educational Curriculum Workshop” organized by New Mexico State University, Water Resources Research Institute and CE³SAR, in collaboration with UNAM Juriquilla and the Border Solution Alliance. Queretaro, Mexico. Aug. 8-9.
- 2019 Participated in the “Border Water Solutions: Proposal Planning Workshop” organized by the Water Resources Research Institute and New Mexico State University. Las Cruces, NM. Aug. 1-2.
- 2019 Participated in the workshop “Innovative, Multidisciplinary Water Research to Address the Needs of the US-Mexico Border Corridor.” Event organized by New Mexico State University and the Water Resources Research Institute. Las Cruces, NM. Jun. 11.
- 2019 Led the University of Arizona convoy to participate in the “Border Solutions Alliance” workshops El Paso/Las Cruces funded by the NSF. Participated on the *Water* session at the El Paso/Las Cruces Workshop. Jun. 10-12.
- 2018 Chaired session and participated on the workshop “Human Challenges in Extreme Environments” funded by the Udall Center and the French UMI-iGlobes at the University of Arizona. Nov. 12-13.
- 2018 Co-organized and chaired the special session “A view to the future/Una vista hacia el future” for the workshop “Binational Water Relations at 75 Years: Retrospectives, Resilience, and US-Mexico Border Water Resources Governance” at the University of Arizona. Oct. 15-16.
- 2018 Co-organized and participated in the congress “Desafíos en Seguridad Hídrica y Resiliencia ante el Cambio Global en Zonas Áridas del Continente Americanos” in Guaymas, Sonora, Mexico. Apr. 17-21.
- 2017 Coordinated and participated in bilingual special session for the World Water Congress in Cancun, Mexico. May 31.
- 2017 Supported coordination for a special session on the Science Diplomacy Conference. University of Arizona. Tucson, Arizona. Feb.
- 2016 Coordinated and participated in the workshop “Buenas Prácticas de Gobernanza del Agua” in Mendoza, Argentina; in collaboration with Argentinean partners and water officials from the Departamento General de Irrigación. Aug.

AWARDED GRANTS AND CONTRACTS (*limited to time in rank*)

University grants

- 2022 **Co-Principal Investigator.** “International Working Group to Assess Flood Recovery, Adaptation, and Resilience from Space.” Arizona Institutes for Resilience – International Program. UA Account # 2252530 amount \$15,000. Led by graduate student Hannah Friedrich and Co-led by Dr. Beth Tellman. Effort: 5%.
- 2021 – 2022 **Principal Investigator.** “Community engagement for a river restoration project to enhance resilience in Nogales, Arizona”. Arizona Institutes for Resilience – Arizona Technology and Research Initiative Fund (TRIF)/WEES Initiative. UA Account # 5851039. Award amount \$59,598. Nov. 1, 2021 – Oct. 31, 2022. Effort: 100%.
- 2021 **Senior Personnel.** “Building Resilience: A University-Community Partnership to Develop a Green Stormwater Infrastructure Maintenance Protocol for Tucson, Arizona” Funded by

UA's Research, Innovation & Impact and the Arizona Institutes of Resilience (AIRES). Award amount \$80,799. Nov. 2020 – Jul. 2021. Effort: 10%.

2020 – 2021 **Principal Investigator.** “Green infrastructure for stormwater management in NW Hermosillo, Mexico: Soil recognition and site design.” Funding provided by CAZMEX – Consortium for Arizona – Mexico Arid Environments. UA Account # 4248433. Award amount \$44,211. May 2020 – Apr. 2022 (with no cost extension). Effort: 30%.

2019 – 2020 **Principal Investigator.** Project titled “Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales,” in collaboration with Arizona State University, Colegio de la Frontera Norte Nogales, and Watershed Management Group. Seed funding provided by Research, Discovery and Innovation at the University of Arizona. Award amount \$7,500. July 2019 – Sep. 2020. Effort: 100%.

Principal Investigator. Project titled “Developing an outreach model to address environmental justice through greening efforts.” Grassroots Seed Grant provided by the College of Architecture, Planning and Landscape Architecture, University of Arizona. Award amount \$4,000. Aug. 2019 – May 2020. Effort: 100%.

Principal Investigator. Project titled “Addressing environmental injustice around green infrastructure in Tucson, Arizona.” Funding from the University of Arizona Green Fund. Award amount \$25,025. Apr. 2018 – Apr. 2019, extended to Dec. 2020. Effort: 70%.

Federal

2022 – 2023 **Senior Personnel.** Project titled: “Place-based infrastructure through landscape architecture,” funded by the Pacific Northwest National Laboratory, Department of Energy. Project led by Prof. Kirk Dimond. Award amount \$74,825. Apr. 12, 2022 – May 31, 2023. Effort: 5%.

2020 – 2021 **Co-Principal Investigator.** Project titled: “Sustainable strategies for stormwater and CSOs control in Ambos Nogales” funded by Border 2020 US-Mexico Border Environmental Program. Project led by Prof. Francisco Lara-Valencia from Arizona State University. Award amount for the University of Arizona \$12,957. Jan. 2020 – Jun. 2021. Effort: 20%.

Private/Industry

2021 - 2022 **Principal Investigator.** “Evaluating the impacts of the Corralitos Landfill on the quality of life of residents in Las Cruces and Doña Ana, NM”. Funded by the North American Development Bank. UA Account #4222810. Amount \$84,153. 05/2021 – 05/2022, extended to Aug. 15, 2022. Effort: 100%.

2018 – 2019 **Co-Principal Investigator.** Project titled: “Evaluation of the transboundary impact of wastewater infrastructure project in Ambos Nogales,” funded by the North American Development Bank, led by Dr. Rigoberto Garcia from El Colegio de la Frontera Norte Nogales. Contract No. CONTA18-005. Award amount to the University of Arizona \$25,000. May 1, 2018 – Jun. 30, 2019. Effort: 30%.

Private Foundation/ NGOS

2021 – 2022 **Co-Principal Investigator.** Project titled: “Green Infrastructure in Hot Dry Climates: An Educational Endeavor in Urban Spaces Facing Vulnerability”. 100K Strong in the Americas

(100K) Innovation Fund at Partner of the Americas and the Bureau of Western Hemisphere Affairs at the U.S. Department of State. Proposal led and submitted by Prof. Jose Manuel Ochoa at the Universidad de Sonora. Award amount \$25,000. Sept. 2021 – May 2022. Effort 20%.

2019 – 2020 **Postdoctoral Research Associate.** International Water Security Network, Americas component. Subcontract from the University of the West of England, award by Lloyd's Register Foundation. Award amount \$1,046,897. (Project length Sept. 2013-Nov. 2020 but hired from Aug. 2015-Nov. 2020). Effort 50%.

2017 **Co-Principal Investigator.** With funding from the Sonoran Institute, we evaluate the success of the research project titled "Green infrastructure in New Hope Santa Clara Church along Airport Wash." Award amount \$5,000. Apr. to Dec.

Co-Principal Investigator. ARUP Joint Program on Resilience Engineering. Desk study titled: "Contributions of Green Infrastructure to Urban Resilience: case studies and challenges from around the world." Total award amount £30,000 for the University of the West of England, Monash University of South Africa, and University of Arizona. Award to the University of Arizona was £9,000. Mar. 15 to Jun. 15, 2017.

2016 – 2020 **Principal Investigator.** Project titled "State of the health of the Cienega Watershed." Funded by the Cienega Watershed Partnership. Award amount is \$21,000 USD. September 1, 2016 to December 31, 2021 (ongoing). Institutional Proposal Number 00728889.

International

2022 – present **Co-Principal Investigator.** Project titled "Shades of urban greening: Understanding the social, design, and environmental impacts of plant foliage colour in hot cities," funded by the University of Western Australia Research Collaboration Awards 2022. Award amount \$29,750 AUD. Jan 2023 – Jan 2024.

2020 – present **Co-Principal Investigator.** Project titled "Building capacity to assess watershed health, water quality, and the anticipated impacts of the Rosemont Mine in Southern Arizona" funded by the *Centre National de la Recherche Scientifique* (National Center of Scientific Research, CNRS), UMI-iGlobes. Award amount \$20,000. Feb. 2020 – Jun. 2022. Effort: 10%.

2020 – 2021 **Senior Personnel.** Project titled "Tipping point and sentinels: Monitoring, interpreting and managing environmental changes in Southern Arizona" funded by the *Centre National de la Recherche Scientifique* (National Center of Scientific Research, CNRS), UMI-iGlobes. Award amount \$20,000. Feb. 2020 – Jun. 2021. Effort: 10%.

2020 **Consultant.** Project titled: "**Water demand management in Tucson, Arizona,**" funded by the National University of Singapore. Award amount \$10,000. May 2020 – Aug. 2020. Effort 100%.

2019 - 2020 **Postdoctoral Research Associate.** Project titled "Innovative science and influential policy dialogues for water security in the arid Americas." Inter-American Institute for Global Change Research. Award amount \$744,274. (Project length Dec. 2012-Dec. 2019 but hired from Aug. 2015 – Dec. 2019). Effort 50%.

SUBMITTED GRANTS AND CONTRACTS (limited to time in rank)*University*

- 2021 **Principal Investigator.** “Disseminating project findings around the planning of a green infrastructure network in Ambos Nogales,” Digital Borderlands Grant funded by the University of Arizona Libraries and the Andrew W. Mellon Foundation. Solicited amount \$59,946. Unawarded. Effort: 100%.
- 2019 **Principal Investigator.** “Transboundary communities in a ‘hardening border:’ vulnerability assessment of social and environmental systems in Ambos-Nogales,” Consortium for the Regional Scientific Development and Innovation. University of Arizona and *Consejo Nacional de Ciencia y Tecnología* (National Council of Science and Technology, CONACYT) Consortium for Arizona-Mexico Arid Environments (CAZMEX). Solicited amount \$59,998. Unawarded. Effort: 100%.
- Co-Principal Investigator.** “Identificación de elementos físicos para el diseño de infraestructura verde como estrategia de adaptación al cambio climático para la ciudad de Culiacán” (Identifying physical elements for the design of green infrastructure as a climate change adaptation strategy for the City of Culiacan), Consortium for the Regional Scientific Development and Innovation. University of Arizona and *Consejo Nacional de Ciencia y Tecnología* (National Council of Science and Technology, CONACYT) Consortium for Arizona-Mexico Arid Environments (CAZMEX). Solicited amount \$60,000. Unawarded. Effort: 20%.

Federal

- 2022 **Senior Personnel.** “Understanding and predicting water-energy biogeochemistry interactions in semiarid cities of the Sun Corridor amid new urban designs for equitable climate solutions,” US Department of Energy. Led by Prof. Tom Meixner. Solicited amount \$25,000,000. Pending. Effort: 3%.
- 2021 **Senior Personnel.** “Building resilience in manufactured and mobile home communities,” National Science Foundation, Smart and Connected Communities. Solicited amount \$150,000. Unawarded. Effort 3%.
- Principal Investigator.** “Building cross-border watershed stewardship through youth education and green infrastructure” Border 2025 US-Mexico Border Environmental Program. Project led by Arizona State University. Solicited amount for the University of Arizona \$5,000. Unawarded. Effort: 20%.
- Co-Principal Investigator.** “Does landscaping in arid cities create mosquito oases, and are communities willing to change?” National Science Foundation Dynamics of Integrated Socio-Environmental Systems (DISES). Solicited amount \$1,599,817. Unawarded. Effort: 10%.
- Co-Principal Investigator.** “Fostering connected communities with crowdsourced public participation and visualization tool,” National Science Foundation, Smart and Connected Communities Program. Solicited amount \$150,000. Unawarded. Effort 20%.

- 2020 **Principal Investigator.** “Flood mitigation through capacity building in public schools of Nogales,” Border 2020: U.S.-Mexico Border Environmental Program SOLTA-C-19-008. Solicited amount \$99,865. Unawarded. Effort: 100%.
- Principal Investigator.** “Protecting school children during COVID-19 and beyond from flooding and sewage water intrusion into floodwaters.” Environmental Protection Agency (EPA) Children’s Healthy Learning Environments Grant Initiative. Solicited amount \$140,863. Unawarded. Effort: 100%.
- Senior Personnel.** Second Phase of the Environmental Literacy Grant Program, National Oceanic and Atmospheric Administration. Proposal led by local NGO Watershed Management Group. Unawarded. Effort 3%.
- 2019 **Co-Principal Investigator.** “Does landscaping in arid cities create mosquito oases, and are communities willing to change?” National Institutes of Health (NIH) Research Project Grant Program (R01). Solicited amount \$3,098,394. Unawarded. Effort: 10%.
- Principal Investigator.** “Land-use/land-cover change: A key indicator for a participatory assessment of the state of the Cienega Watershed,” U.S. Geological Survey (USGS) National Competitive Grant (104g). Solicited amount \$151,234. Unawarded. Effort: 100%.
- International*
- 2022 **Principal Investigator.** “Training materials on transdisciplinary science related to global environmental change,” funded by the Inter American Institute for Global Change Research. Solicited amount \$120,000. Unawarded. Effort: 100%.
- 2021 **Senior Personnel.** “Policy interventions for water allocation during severe drought,” European Research Council Advanced Grant 2021. Solicited amount 2,498,948.25 Euro. Unawarded. Effort: 10%.

TEACHING AND ADVISING

Teaching (UNIVERSITY OF ARIZONA)

GRADUATE COURSES

- | | | |
|--|---------------|-----------------|
| • Placemaking and the Urban Form | RED 421/521 | 2020 & 2021 |
| • Sustainable Urban Development & Design | PLG 497s/597s | 2020 & 2021 |
| • Arid Lands Resource Science Colloquium | ARLS 959 | 2014 (TA), 2021 |

UNDERGRADUATE COURSES

- | | | |
|---|----------|----------------|
| • Urban Growth and Development | GEOG 379 | 2022 - present |
| • Sustainable Design and Planning | SBE 201 | 2015 |
| • History of the Built Environment Part 1 | SBE 221 | 2016 – 2021 |
| • History of the Built Environment Part 2 | SBE 222 | 2017 – 2022 |

- | | | |
|----------------------------------|---------------|-------------|
| • Introduction to Sustainability | SBE 195A | 2017 – 2019 |
| • Careers in Sustainability | SBE 195B | 2018 – 2020 |
| • Introduction to Global Change | GC 170A1 (TA) | 2012 – 2013 |
| • Indigenous Religions | RELI 200 (TA) | 2011 |

Teaching (NOT UNIVERSITY OF ARIZONA)

UNDERGRADUATE COURSES

- | | | |
|---|--|-------------|
| • Universidad LaSalle del Noroeste (ULSA) — Obregon, Mexico | | |
| • Theory of Design I | | 2006 - 2007 |
| • Theory of Design II | | 2006 – 2007 |
| • History of Graphic Design III | | 2006 – 2007 |

Instituto Tecnológico Superior de Cajeme (ITESCA) — Obregon, Mexico

- | | | |
|------------------------------|--|-------------|
| • Descriptive Geometry I | | 2006 - 2007 |
| • History of Architecture II | | 2006 – 2007 |

HIGH SCHOOL COURSES

Monterrey Institute of Technology and Higher Education (ITESM) — Monterrey, Mexico

- | | | |
|------------------------|--|-------------|
| • Math I – Algebra I | | 1989 - 1990 |
| • Math II – Algebra II | | 1989 - 1990 |

STUDENT MENTORING & ADVISING (UNIVERSITY OF ARIZONA) (*award)

- | | | |
|----------------|---------------|--|
| 2016 - present | PhD Committee | Thomas Sullivan. Geography. The role of plants in attracting or deterring human use (focus on Berlin). 2022 – present. |
| | | Simone A. Williams. Arid Lands Resource Sciences. Groundwater quality assessment. 2021-present. |
| | | Karina G. Martinez. Arid Lands Resource Sciences. Water security during Covid 19. 2020-2021. |
| | | Mariana Sofia Rodriguez McGoffin. Geography. Green infrastructure and environmental justice in the US-Mexico border (Cd Juarez). 2020-present. |
| | | Rodolfo Peon. Arid Lands Resource Sciences. Water-energy-food nexus in the Navajo Nation. 2016-2019. Defended and graduated in 2019. |

2016 - present	Masters Committee	Patricia Schwartz. Geography. Regulatory framework around green infrastructure in Ambos Nogales. Graduated in 2020. Yulia Peralta. Arid Lands Resource Sciences. Water security in the Yaqui Valley of Mexico. 2019.
2015 - 2020	Sustainable Built Environments Program, Capstone Project (undergraduate)	*Lauran Lee Morrisey – outdoor public spaces. Won SBE Capstone award (2020). Adele Weibke – sustainability in the fashion industry. Sterling M. Kilman – desalination in California. Moira M. Scanlon – crop choices and water use in Arizona. Lindsay N. Callahan – food deserts. Shannon Le Gate – shopping malls. Ana Lucia Guerrero López – sustainability in high school curricula. Jeffrey Tolin – tire recycling options in the construction industry. Emma Baird James – relationship between housing, income, and high school graduation rates. Yuxi Li – greenspace in Singapore.
2019	Summer Research Prog. (graduate)	Marisella Trillas Ortiz – urban design and use of greenspace. Martin Alan Barcelo – urban design and use of greenspace.
2018 - present	Research (graduate)	*Irene Pineda – a landscape design for a stormwater management park in Hermosillo, Mexico. Won an award in poster competition. Zoe Holtzman – literature review on public policy and the environment *Christina Scarpitti – literature review on urban green belts. Won an award in poster competition. Anna Murveit – a survey to gauge public interest in river revitalization. *Selenne Yescas – Design of a greenway for Nogales, AZ. Won poster competition award. Simone Williams – water quality impacts in Las Cruces because of the Corralitos Landfill. Patricia Schwatz – public policy analysis on green infrastructure in Ambos Nogales. Gabrielle Spickard – landscape design for middle school in Nogales, Sonora. Karina Martinez – project coordinator. Mariana Rivera Torres – community engagement at STAR Academic High School. *Isaac Palomo – landscape design at STAR Academic High School. Won team landscape design award for this project. Giancarlo Calbimonte – water security in the arid Americas. Veronique Arguello – Recruitment for IndigeFEWS Fellowship.
2018 - present	Research (undergraduate)	Jessica Eppard – A survey to residents in Las Cruces on sanitation services.

		Oscar Rodriguez – Dissemination of Nogales project and survey to residents in Las Cruces on sanitation services. Alexander Tam – systematic literature review. Alejandra Huerta – landscape design for middle school in Nogales, Sonora. Emma James – literature review. Grace Stoner – literature review.
2018 - 2020	Outreach	Jordan Esparza – engagement at Star Academic High School. Lauran Morrissey – engagement at Star Academic High School. Jessica Eppard – engagement at Star Academic High School. Cora Thomas – engagement at Star Academic High School. Abby Collier – engagement at Star Academic High School. Rebekah Ulmer – engagement at Star Academic High School. Daniella Delgado – Outreach for GI maintenance protocol.
2018 - present	Teaching	Mattea Wallace – TA for RED 421/521. Jordan Lawson – TA for SBE 221 & SBE 222. Adele Weibke – TA for SBE 221 & SBE 222. Kendra Potter – TA for RED 421/521. Isaac Palomo – TA for RED 421/521. Jenny Rice – TA for SBE 221 & SBE 222.
2021 - 2022	Student exchange programs	Co-led a binational student exchange project with Universidad de Sonora (Unison) in Hermosillo to build capacity around green infrastructure in cities of the Sonora Desert. The project involved 8 students from the UArizona (including 3 internships), 20 from Unison, and 6 French students.

STUDENT MENTORING & ADVISING (OTHER UNIVERSITIES)

El Colegio de Sonora, Hermosillo, Mexico

2019	Summer Research (graduate)	Fernanda Elizalde – community resilience in the Sonora River Basin.
2014 - present	PhD/Masters Committee	Juan Carlos López Torrero. Dissertation titled “Gestión sostenible del espacio verde público en ciudades áridas, hacia el cumplimiento de los ODS-2030”. Fall 2020 – present. Maria Magdalena Bernal Grijalva. Dissertation titled: “La gestion urbana de espacios públicos y áreas verdes en ciudades áridas cálidas del norte de México (Hermosillo, Mexicali, y Torreón). Ivan de Santiago Armenta Ramirez. Master’s thesis “Tipologías del accidente peatonal: Un análisis socioespacial a la estructura urbana de Hermosillo, Sonora, 2014-2017.”

Universidad de Sonora, Hermosillo, Mexico

2022 Summer Research Diana Urias Borbon – Community gardens in Hermosillo,
(graduate) Mexico

PEDAGOGICAL TRAINING

2022 Culturally Responsive Pedagogy. Office of Instruction and Assessment. University of Arizona. July 13-17.
2013 Efficient Grading – Rubric Development. Certificate in College Teaching – Best Practices for Teaching Assistantships. Office of Instruction and Assessment. University of Arizona.

INVITED LECTURES (UNIVERSITY OF ARIZONA)

2022 “Stormwater management in Ambos Nogales.” Invited lecturer to the course LAR 623 Landscape Planning Studio with Prof. Bo Yang. April 13.
2020 “Urban ecology and modern life.” Recorded video interview with Prof. Dave Schmitz for his class Environmental Ethics. Oct. 13.
2019 “Enhancing resilience in semiarid urban and peri-urban landscapes.” Invited lecturer to the ARL 641 – Natural and Human Impacts on Arid Lands with Prof. Stuart Marsh. Oct. 29.
2019 Gerlak, A. Zuniga-Teran, A., Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Equity in green infrastructure: A case study in Tucson, AZ.” Invited lecturer to the class GEOG 256: Sustainable Cities and Societies with Prof. Phil Stoker. Apr. 4.
2019 “Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace.” Invited lecturer to the class SBE 380: Research Methods with Prof. Phil Stoker. Mar. 25.
2019 “Green Buildings.” Invited speaker to the class GEOG 302: Sustainable Development with Prof. Andrea Gerlak. Mar. 21.
2019 Gerlak, A. Zuniga-Teran, A., Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Equity in green infrastructure: A case study in Tucson, AZ.” Presented at the event “CCASS Climate Chats” with graduate students at the Tooth Brewing Company in Tucson, AZ. Feb. 26.
2018 Gerlak, A. Zuniga-Teran, A., Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Water security through green infrastructure: A case study on environmental injustice in Tucson, Arizona.” Invited lecturer to the class EPID 606 – Changing Global Health Policy through Epidemiological Analysis and Cultural Understanding. Apr. 3.
2018 “Green Buildings.” Invited lecturer to the class GEOG 302: Sustainable Development with Prof. Andrea Gerlak. Mar. 14.
2018 “Urban resilience through green infrastructure: An environmental justice case study in Tucson, AZ.” Invited lecturer to the class GEOG 6960 – Adaptation and Resilience in Water Resources Systems with Prof. Christopher Scott. Jan. 18.
2017 “Neighborhood design, physical activity, and wellbeing.” Invited lecturer for the class Special Topics in Architectural Research with Prof. Omar Yousef. Apr. 13.
2017 “Resilience through Urban Design and Walkability.” Participated in a discussion panel for the class GEOG 6960 - Adaptation and Resilience in Water Resources Systems with Prof. Christopher Scott. Jan. 24.

- 2016 Participated in a discussion panel on sustainability for the class Introduction to Global Change organized by the Instructor Dr. Arin Haverland. Nov. 28.
- 2016 "From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability." Lecture given to undergraduate students of the Sustainable Built Environments Degree Program. Oct. 6.

INVITED LECTURES (NOT UNIVERSITY OF ARIZONA)

- 2018 "Ciudades Sustentables (Sustainable Cities)." Invited Speaker to Fundación Alfa High School for gifted and underrepresented students in Monterrey, Mexico. Feb. 14.
- 2016 "From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability." Lecture given via Skype to undergraduate students majoring in urbanism at Monterrey Institute of Technology and Higher Education (ITESM). Leon, Guanajuato, Mexico. Sept. 8.

Service/Outreach (limited to time in rank)

Local/state outreach

2017 – 2020	Engagement in greening efforts in low-income neighborhoods to address environmental justice issues	Engaged with the <i>Secundaria #3</i> (Middle School #3) in Nogales, Sonora, Mexico. As part of a research project, we engaged teachers and students in a participatory landscape design process for their school located in a low-income neighborhood. We partnered with NGOs and local government to plan, design, and implement green infrastructure to mitigate flooding and sewage spills in Ambos Nogales. 2019-2020.
		Tested a youth mentoring model for community engagement at Star Academic High School in a low-income neighborhood of Tucson, AZ. 2018-2019.
		Engaged with Star Academic High School in Tucson, AZ. We partnered with the city, local NGOs and a grassroots organization to engage low-income communities in greening efforts to address environmental justice issues. 2017-2018.

National/international service/outreach

2019 – 2020	Member of proposal review panel	European Science Foundation, Science Connect. Research Foundation Flanders. June. University of Hawaii Water Resources Research Center. July.
2019	Reviewer of conference papers	Proceedings of the Science, Health, and Engineering Diplomacy and Policy Conference. University of Arizona. October.

2016	Chair of Review Committee	Scholarship contest to attend the Water Governance Workshop in Mendoza, Argentina from August 3-6, 2016. 63 applicants from 11 countries applied for five scholarships.
2020	Reviewer of design projects	University of Arkansas - Landscape Design Studio with Prof. Gabriel Diaz Montemayor. Project on green infrastructure network in Ambos Nogales to manage stormwater. Mid and final review. Spring 2020.
2019 – 2021	Co-chair of Board	Sky Island Alliance.
2018 – 2022	Board Member	Sky Island Alliance.
2016 – present	Journal Peer Reviewer	Sustainability; Water Alternatives; Urban Design; International Journal of Environmental Research and Public Health; Water International; Water; Environment and Planning B: Urban Analytics and City Science; Urbe; Urban Science; Environmental Science & Policy; Landscape and Urban Planning; Environmental Sustainability; Urban Forestry and Urban Greening; Urban Geography; Journal of Environmental Policy and Planning; Environmental Development

Departmental service/outreach

2022 – 2023	Colloquium Committee	Colloquium. School of Geography, Development & Environment.
2019 - 2020	Lecture Series Committee	Lecture Series for the School of Landscape Architecture and Planning.
2019 – present	Hiring Search Committee	Assistant Professor of Practice in Urban Geography. School of Geography, Development & Environment. Spring 2022. Postdoctoral Research Associate. Udall Center for Studies in Public Policy. Spring 2022. Tenure-track Assistant/Associate Professor in Real Estate Development. School of Landscape Architecture and Planning. University of Arizona. Spring 2021.

College service/outreach

2018 – present	Committee member	Equity, Diversity, and Inclusion committee at the Udall Center for Studies in Public Policy (2020 – 2022). Equity, Diversity and Inclusion at the College of Architecture, Planning and Landscape Architecture (2019 – 2021). Strategic Planning and Operations Advisory Committee (SPOAC) at the College of Architecture, Planning and Landscape Architecture (2018 – 2019). Academic Task Initiative for the College of Architecture, Planning, and Landscape Architecture (2018 – 2019).
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University service/outreach

2020 – present	Fellowship Reviewer	Hispanic Serving Institution Fellowship Program. 2020. College of Agriculture Teaching Excellence (CATE) Fellowship. 2020. Course reviewed ENV5 210 - Fundamentals of Environmental Science and Sustainability.
2020 – present	Advisory Board	Arizona Institutes for Resilience International Development Network.
2019	Advisory Board	3.3 Next Generation Model for Healthy Aging.
2018 – present	Committee member	Executive Committee for the Arid Lands Resource Sciences program, Graduate Interdisciplinary Programs.

Outreach presentations

- 2020 **Zuniga-Teran, A.A.** "[My experience as a Gloria Barron Scholar.](#)" Presented virtually. The Wilderness Society. Dec. 20.
- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** "Equity in green infrastructure: A case study in Tucson, Arizona." Presented at the Arizona Senior Academy. Tucson, Arizona. Nov. 27.
- 2019 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at the Science on the Sonoita Plain Symposium. Santa Cruz County Fairgrounds in Sonoita, Arizona. Jun. 22.
- 2019 **Zuniga-Teran, A.** Participated in *Foro para Líderes: Plan Nacional de Desarrollo* (Leadership Forum: National Development Plan), organized by the *Instituto de los Mexicanos en el Exterior* (Institute for Mexicans Living Abroad, IME) and hosted by *Fundación México* (Mexico Foundation) at the Mexican Consulate in Tucson, AZ. Talked briefly about outreach and greening efforts in low-income communities of Tucson. Apr. 6.
- 2018 **Zuniga-Teran, A.A.** and Rivera, M. "Landscape Design at STAR Academic High School." Presented to faculty at STAR Academic High School. Sept. 12.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at Pima County Regional Flood Control Brown Bag Series. Tucson, Arizona. Aug. 8.
- 2018 **Zuniga-Teran, A.A.**, Avila, S., Bernal, S., Cowan, D. Participated in a discussion panel on community engagement with teachers as part of the Arizona Project Wet to increase green infrastructure sponsored by NOAA. Project title: "Community Resilience to Climate Change: Recharge the Rain." Water Resource Research Center, University of Arizona. July 17.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at the Science on the Sonoita Plain Symposium. Elgin, Arizona. June 2.
- 2017 **Zuniga-Teran, A.** "Planning for green infrastructure." Invited speaker to the science class at STAR Academic High School in Tucson, AZ. Oct. 25.

- 2016 **Zuniga-Teran, A.A.** Participated in a discussion panel for the workshop “How can Tucson connect to global STEM opportunities?” organized by the Office of Latin American Partnership Initiatives, University of Arizona. Event held at the Pima Community College, Tucson, AZ. Oct. 15.
- 2016 **Zuniga-Teran, A.A.** From designing buildings to researching deserts. Presented at the Annual Meeting of the United Nations Association of Southern Arizona. Tanque Verde Ranch, Tucson, Arizona. Jun. 4.
- 2013 **Zuniga-Teran, A.A.** “Neighborhood Design, Wellbeing and Conservation.” Presented at a neighborhood association meeting of the Barrio Viejo Neighborhood. Tucson, Arizona. Oct.

CERTIFICATIONS

- 2013 UA Institutional Review Boards (IRB). ID: 2192026
 2009 Leadership for Energy and Environmental Design Accredited Professional (LEED-AP)
 1990 Certified Architect in Mexico, License No. 1632344

LANGUAGES

Spanish: Native speaker
 English: Advanced proficiency
 French: Basic proficiency

VOLUNTEER EXPERIENCE

- 2017 Airport Wash Green Infrastructure Project. Watershed Management Group. Tucson, AZ
 2014 Latin American Summer Research Program – University of Arizona
 2014 - 2015 US Green Building Council – Arizona Chapter
 2014 – 2015 The Nature Conservancy – Tucson office

ORGANIZATIONS

- 2022 – present Association of Borderland Studies
 2022 – present American Association of Geographers
 2021 – present American Geographical Society
 2011, 2017 American Association of University Women (AAUW)
 2014 – 2016 Biosciences Toastmasters
 2010 – 2015 Arid Lands Resource Sciences student club

SOFTWARE SKILLS

AutoCAD eQUEST, Energy10, COMcheck, REScheck

MS Office
UAccess (database)
Photoshop
Sketch-up

Geographic Information Systems (GIS)
Erdas Imagine (Remote Sensing)
Statistical Package for the Social Sciences (IBM-SPSS)
GoToMeeting