

NEIL DEBBAGE

Curriculum Vitae – September 2022

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Geography and Environmental Sustainability
Department of Political Science and Geography
The University of Texas at San Antonio
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San Antonio, TX 78249

EDUCATION

- 2018 – Ph.D., Geography, University of Georgia
Dissertation: “Urban Flooding Vulnerability: A Multifaceted Comparative Assessment of the Charlanta Megaregion”
GPA: 4.0
- 2014 – M.S., Geography, University of Georgia
Thesis: “Quantifying Urban Form via Spatial Metrics and its Climatic Implications”
GPA: 4.0
- 2012 – B.A., Geography, University of Georgia
Geographic Information Science Certificate
GPA: 4.0

PROFESSIONAL EXPERIENCE

- 2018 - Present – Assistant Professor of Geography and Environmental Sustainability,
Department of Political Science and Geography, The University of Texas at San Antonio
- 2012 - 2018 – Teaching & Research Assistant, Department of Geography, University of Georgia
- 2013 – Summer Intern, Esri Professional Services Department, Redlands, CA
- 2009 - 2011 – Summer Intern, Geographic Information Services, Guilford County, NC

REFEREED JOURNAL ARTICLES

* Student Co-Author

- Under Review – *Dumlao, A., and Debbage, N. Examining potential inequities in the spatial distribution of Texas triangle cooling centers. *Environment and Planning B: Urban Analytics and City Science*.
(Journal Impact Factor = 3.92)

- 2022 – *Forney, R., Debbage, N., Miller, P., and *Uzquiano, J. Urban effects on weakly forced thunderstorms in the Southeast United States. *Urban Climate*, 43: 101161, doi: 10.1016/j.uclim.2022.101161.
(Journal Impact Factor = 6.66; Article Citations = NA)
- 2021 – Wang, M., and Debbage, N. Urban morphology and traffic congestion: Longitudinal evidence from US cities. *Computers, Environment and Urban Systems*, 89: 101676, doi: 10.1016/j.compenvurbsys.2021.101676.
(Journal Impact Factor = 6.45; Article Citations = 18)
- 2021 – *Guerra, J., and Debbage, N. Changes in urban land use throughout the Edwards Aquifer: A comparative analysis of Austin, San Antonio, and the Interstate–35 corridor. *Applied Geography*, 133: 102480, doi: 10.1016/j.apgeog.2021.102480.
(Journal Impact Factor = 4.73; Article Citations = NA)
- 2019 – Debbage, N. Multiscalar spatial analysis of urban flood risk and environmental justice in the Charlanta megaregion, USA. *Anthropocene*, 28: 100226, doi: 10.1016/j.ancene.2019.100226.
Invited Paper for the Special Virtual Collection on Urban Hydroclimate Risks
(Journal Impact Factor = 3.97; Article Citations = 17)
- 2019 – Debbage, K., and Debbage, N. Aviation carbon emissions, route choice and tourist destinations: Is flying non-stop a remedy? *Annals of Tourism Research*, 78: 1027652, doi: 10.1016/j.annals.2019.102765.
Invited Paper for Virtual Special Issue on Air Transport and Tourism
(Journal Impact Factor = 12.85; Article Citations = 17)
- 2019 – Debbage, N., and Shepherd, J. M. Urban influences on the spatiotemporal characteristics of runoff and precipitation during the 2009 Atlanta flood. *Journal of Hydrometeorology*, 20: 3–21, doi: 10.1175/JHM-D-18-0010.1.
(Journal Impact Factor = 4.87; Article Citations = 25)
- 2018 – Debbage, N., and Shepherd, J. M. The influence of urban development patterns on streamflow characteristics in the Charlanta Megaregion. *Water Resources Research*, 54(5): 3728–3747, doi: 10.1029/2017WR021594.
(Journal Impact Factor = 6.16; Article Citations = 36)
- 2017 – Debbage, N., *Miller, P., *Poore, S., *Morano, K., *Mote, T., and *Shepherd, J. M. A climatology of atmospheric river interactions with the southeastern United States Coastline. *International Journal of Climatology*, 37(11): 4077–4091, doi: 10.1002/joc.5000.
(Journal Impact Factor = 3.65; Article Citations = 28)

- 2017 – Debbage, N., Bereitschaft, B., and Shepherd, J. M. Quantifying the spatiotemporal trends of urban sprawl among large U.S. metropolitan areas via spatial metrics. *Applied Spatial Analysis and Policy*, 10(3): 317–345, doi: 10.1007/s12061-016-9190-6. (Journal Impact Factor = 2.39; Article Citations = 33)
- 2015 – Debbage, N., and Shepherd, J. M. The urban heat island effect and city contiguity. *Computers, Environment and Urban Systems*, 54: 181–194, doi: 10.1016/j.compenvurbsys.2015.08.002. (Journal Impact Factor = 6.45; Article Citations = 251)
- 2015 – Debbage, N., *McLeod, J., *Rackley, J., *Zhu, L., Mote, T., and Grundstein, A. The role of point source aerosol emissions on atmospheric convective activity in the vicinity of power plants in Georgia, USA. *Papers in Applied Geography*, 1(2): 134–142, doi: 10.1080/23754931.2015.1012430. (Journal Impact Factor = NA; Article Citations = 2)
- 2014 – Debbage, N., *Gonsalves, N., Shepherd, J. M., and Knox, J. Superstorm Sandy and voter vulnerability in the 2012 US presidential election: A case study of New Jersey and Connecticut. *Environmental Hazards*, 13(3): 181–199, doi: 10.1080/17477891.2014.891500. (Journal Impact Factor = 3.78; Article Citations = 9)
- 2013 – Debbage, N. Sky-view factor estimation: A case study of Athens, Georgia. *The Geographical Bulletin*, 54(1): 49–57. (Journal Impact Factor = NA; Article Citations = 11)

BOOK CHAPTERS

*Student Co-Author

- 2022 – Debbage, K., and Debbage, N. Sustainable Innovation in the Global Airline Industry, *Handbook of Innovation for Sustainable Tourism*, Booyens, I. and Brouder, P. (Eds.), Edward Elgar Publishing. (Book Chapter Citations = NA)
- 2021 – Debbage, K., and Debbage, N. Air Freight Logistics, *International Encyclopedia of Transportation*, Vickerman, R. (Ed.), 361–368, UK: Elsevier. (Book Chapter Citations = 1)
- 2019 – Haupt, S., Hanna, S., Askelson, M., Shepherd, J. M., *Fragomeni, M. A., Debbage, N., and *Johnson, B. 100 Years of Progress in Applied Meteorology Part II: Applications that Address Growing Populations, Chapter 23, *Meteorological Monographs, A Century of Progress in Atmospheric and Related Sciences: Celebrating the American Meteorological Society Centennial*, doi: 10.1175/AMSMONOGRAPHS-D-18-0007.1. (Book Chapter Citations = 3)

RESEARCH GRANTS

*Student Co-Author

Submitted – CO-I, *Critical digital humanities: Latinx culture, heritage and environment*, NEH Humanities Initiative, \$148,982.

2022 - 2027 – CO-I, *An air quality monitoring station to expand NASA's Pandora Network to South Texas*, NASA Increasing Participation of Minority Serving Institutions in Earth Science Division Surface-Based Measurement Network's, \$590,000.

2020 - 2023 – CO-I, *Toward conceptualization and predictability: A multi-scalar analysis of urban-influenced hydrometeorological processes*. NASA ROSES IDS, \$1.75 million (UTSA \$84,285).

2020 – Debbage, N., *Spatiotemporal assessment of San Antonio's surface urban heat island*. UTSA INTRA Seed Grant, \$5,000.

2020 – *Guerra, J., and Debbage, N. *Visualizing UTSA campus energy usage via GIS*. UTSA Office of Sustainability, \$3,200.

2019 – *Guerra, J., and Debbage, N. *Changes in urban land use throughout the Edwards Aquifer: A comparative analysis of Austin, San Antonio, and the I-35 Corridor*. UTSA Office of Sustainability, \$1,245.

2017 – Debbage, N., and Shepherd, J. M. *Quantifying the relative contributions of the physical mechanisms responsible for the Atlanta 2009 flood*. Georgia Water Resources Institute, \$18,000.

INVITED PRESENTATIONS

2022 – Debbage, N. Summer heat and health in cities. *Texas Public Radio Think Science*. San Antonio, Texas.

2022 – Debbage, N., Climate Change Policy: From Paris to Texas. *Climate Reality Project Texas Chapter Coalition Earth Day Celebration*. Virtual.

2021 – Debbage, N. Panelist. Briefing on the global impact, sustainability, and U.S. policy implications of COP-26. *UTSA Department of Political Science and Geography Speaker Series*. Virtual.

2021 – Debbage, N. Panelist. Code red texas: Climate change projections for Texas on sea level rise, hurricanes and heat waves from the 2021 IPCC Sixth Assessment Report. *UTSA NASA MIRO Center for Advanced Measurements in Extreme Environments*. Virtual.

2021 – Debbage, N. Climate change policy: From Paris to San Antonio. *Academy of Learning in Retirement*. Virtual.

- 2021 – Debbage, N. The influence of urbanization on hydrometeorology and flooding vulnerability in Charlanta. *Florida State Department of Geography Colloquium Series*. [Virtual](#).
- 2020 – Debbage, N. Urban climatological processes and their role in San Antonio. *Academy of Learning in Retirement*. Virtual.
- 2019 – Debbage, N. The influence of urbanization on the hydrometeorology of the Charlanta megaregion. *UTSA Department of Geological Sciences Colloquium Series*. San Antonio, Texas.
- 2019 – Debbage, N. Urban climatological processes and their role in San Antonio. *Academy of Learning in Retirement*. San Antonio, Texas.

CONFERENCE PRESENTATIONS

- 2021 – Forney, R., Miller, P., Debbage, N. Ranking the urban rainfall effects of Southeast US cities, *American Meteorological Society Annual Meeting*, Virtual.
- 2019 – Debbage, N., and Debbage, K. Aviation carbon emissions, route choice and tourist destinations: Are non-stop routes a remedy? *Southeastern Division of the American Association of Geographers Annual Meeting*. Wilmington, North Carolina.
- 2019 – Debbage, N. Multiscalar spatial analysis of urban flood risk and environmental justice in the Charlanta Megaregion, USA. *Southwestern Division of the American Association of Geographers Annual Meeting*. Fort–Worth, Texas.
- 2019 – Debbage, N., and Debbage, K. Aviation carbon emissions, route choice and tourist destinations: Are non-stop routes a remedy? *American Association of Geographers Annual Meeting*. Washington, D.C.
- 2019 – Debbage, N. Multiscalar Assessment of Flood Zone Occupation and Environmental Justice: A Case Study of the Charlanta Megaregion. *American Meteorological Society Annual Meeting*. Phoenix, Arizona.
- 2018 – Debbage, N. Multiscalar Assessment of Flood Zone Occupation and Environmental Justice: A Case Study of the Charlanta Megaregion. *Race, Ethnicity & Place Conference*. Austin, Texas.
- 2018 – Debbage, N., and Shepherd, J. M. Flood hazards and environmental justice in the Charlanta megaregion. *American Association of Geographers Annual Meeting*. New Orleans, Louisiana.

- 2018 – Debbage, N., and Shepherd, J. M. Quantifying the relative contributions of the physical mechanisms responsible for the Atlanta 2009 flood. *American Meteorological Society Annual Meeting*. Austin, Texas.
- 2017 – Debbage, N., and Shepherd, J. M. Quantifying the relative contributions of the physical mechanisms responsible for the Atlanta 2009 flood. *Southeastern Division of the American Association of Geographers Annual Meeting*. Starkville, Mississippi.
- 2017 – Debbage, N. The influence of urban development patterns on streamflow characteristics: A case study of the Charlanta megaregion. Student Poster Session. *Chattahoochee Riverkeeper Climate Change Conference*. Atlanta, Georgia.
- 2017 – Debbage, N. The influence of urban development patterns on streamflow characteristics. *American Association of Geographers Annual Meeting*. Boston, Massachusetts.
- 2017 – Debbage, N., and Shepherd, J. M. The influence of urban development patterns on streamflow characteristics. *American Meteorological Society Annual Meeting*. Seattle, Washington.
- 2016 – Debbage, N., Miller, P., Poore, S., Morano, K., Mote, T., and Shepherd, J. M. A climatology of atmospheric river interactions with the southeastern United States. *Southeastern Division of the American Association of Geographers Annual Meeting*. Columbia, South Carolina.
- 2016 – Debbage, N., Bereitschaft, B., and Shepherd, J. M. Sensitivity of spatial metrics to land use classification scheme when assessing urban sprawl among large U.S. metropolitan areas. GISS Specialty Group Honors Student Paper Competition Session. *American Association of Geographers Annual Meeting*. San Francisco, California.
- 2016 – Debbage, N. Spatiotemporal analysis of segregation within major US metropolitan areas utilizing landscape metrics. *UGA Geography Graduate Research Symposium*. Athens, Georgia.
- 2015 – Debbage, N., Gonsalves, N., Shepherd, J. M., and Knox, J. Superstorm Sandy and voter vulnerability in the 2012 US presidential election. *American Association of Geographers Annual Meeting*. Chicago, Illinois.
- 2015 – Debbage, N., Gonsalves, N., Shepherd, J. M., and Knox, J. Superstorm Sandy and voter vulnerability in the 2012 US presidential election. *UGA Geography Graduate Research Symposium*. Athens, Georgia.
- 2014 – Debbage, N. The urban heat island effect and city contiguity. Graduate Student Honors Paper Session. *Southeastern Division of the American Association of Geographers Annual Meeting*. Athens, Georgia.

- 2014 – Debbage, N., McLeod, J., Rackley, J., Zhu, L., Mote, T., and Grundstein, A. The role of point source aerosol emissions on atmospheric convective activity in the vicinity of power plants in Georgia, USA. *Applied Geography Conference*. Atlanta, Georgia.
- 2014 – Debbage, N., and Shepherd, J. M. Urban heat/dry islands: The role of density and spatial contiguity. *American Association of Geographers Annual Meeting*. Tampa Bay, Florida.
- 2014 – Debbage, N., and Shepherd, J. M. Quantifying urban form via spatial metrics and its climatic implications. *American Meteorological Society Annual Meeting*. Atlanta, Georgia.
- 2014 – Debbage, N., Gonsalves, N., Shepherd, J. M., and Knox, J. Superstorm Sandy and voter vulnerability in the 2012 US presidential election. Poster Session. *American Meteorological Society Annual Meeting*. Atlanta, Georgia.
- 2013 – Debbage, N. Urban heat island and urban dry island analysis of the 50 largest metropolitan statistical areas. Graduate Student Honors Paper Session. *Southeastern Division of the American Association of Geographers Annual Meeting*. Roanoke, Virginia.
- 2012 – Debbage, N. Sky-view factor estimation: A case study of Athens, Georgia. *UGA Undergraduate Geography Conference*. Athens, Georgia.
- 2011 – Debbage, N. Sky-view factor estimation: A case study of Athens, Georgia. *Southeastern Division of the American Association of Geographers Annual Meeting*. Savannah, Georgia.
- 2011 – Debbage, N., and Spear, T. Railroad accessibility for southeastern states: A matrix analysis. Poster Session. *UGA Undergraduate Geography Conference*. Athens, Georgia.

COURSES TAUGHT

*Both online and face-to-face versions offered

The University of Texas at San Antonio

- Undergraduate: GES 2613 – Introduction to Physical Geography (1 section)
 GES 3314 – Introduction to Geographic Information Systems (4 sections) *
 GES 3323 – Spatial Analysis (3 sections) *
 GES 3713 – Weather and Climate (4 sections) *
 GES 3753 – Climate Change (2 sections) *
 GES 4913 – Independent Study (2 sections)
 GES 4983 – Research Practicum (1 section)
- Graduate: GRG 5003 – Research Design and Spatial Analysis – cross listed with Spatial Analysis (3 sections) *
 GRG 5413 – Climatology – cross listed with Climate Change (2 sections) *
 GRG 6951 – Independent Study (1 section)

GRG 6953 – Independent Study (2 sections)
GRG 6963 – Internship (2 sections)
GRG 6983 – Master’s Thesis (4 sections)
GEO 6983 – Master’s Thesis (2 sections)

Guest Lecture: GRG 5013 – Geographic Thought

University of Georgia

Undergraduate: GEOG 1112L – Introduction to Weather and Climate Laboratory (8 sections)

GEOG 1112 – Introduction to Weather and Climate (1 section)

Graduate: GRSC 7770 – Teaching Seminar for Geography Graduate Teaching Assistants (2 sections)

Guest lecture: GEOG 2011 – Introduction to GIScience

STUDENT MENTORING

Thesis Chair

2022 - Present – Alex Herrejon (M.A. Geography)

2021 – Glenn Porritt, “Assessing drought trends within the Aransas National Wildlife Refuge” (M.S. Geoinformatics)

2021 – Zane Nordquist, “Changes in the future statistical properties of temperature and heatwaves in Texas due to climate change” (M.A. Geography)

2021 – Angelina Dumlao, “Examining potential inequities in the spatial distribution of Texas Triangle cooling centers” (M.A. Geography)

Thesis Committee Member

2022 - Present – Donald Leisure (M.S. Geography Thesis External Committee Member – University of Alabama)

2022 – Joshua Yates (M.A. Geography)

2021 – Jamie Gillis (M.A. Geography)

2020 – Samantha Rodriguez (M.A. Geography)

Non-Thesis Masters Chair

2020 - Present – Justin Guerra

2020 - Present – Jewel Uzquiano

2022 – Christina LaPoint

Non-Thesis Masters Committee Member

2022 – Robert Williams

2021 – Brandon Stark

2021 – David Westphall

2021 – Michael Powell

Teaching and Research Assistants

2022 – Joshua Yates (Spatial Analysis TA)

2021 – Zane Nordquist (UTSA Internal Research Award RA)

2021 – Jewel Uzquiano (NASA IDS Grant RA)

2021 – Angelina Dumlao (Spatial Analysis TA)

2020 – David Westphall (Spatial Analysis TA)

2020 – Eli Vela (Introduction to GIS Lab TA)

2018 - 2021 – Christina LaPoint (Introduction to GIS Lab TA)

Undergraduate

2022 – Erika Dyér (NASA MIRO CAMEE Summer Intern)

2022 – Jules Pavliska (COLFA Undergraduate Research Conference Advisor)

2021 – Amber Powell (Undergraduate Independent Study Advisor)

2020 – Jewel Uzquiano (COLFA Undergraduate Research Conference Advisor)

2019 – Justin Guerra (Undergraduate Research Practicum Advisor)

AWARDS

2022 – University of Texas San Antonio College of Liberal and Fine Arts Stumberg Assistant Professor Researcher of the Year, \$1,000

2018 – First place in the Population Specialty Group student paper competition at the American Association of Geographers Annual Meeting, \$300

2017 – Second place in the Climate Specialty Group student paper competition at the American Association of Geographers Annual Meeting, \$175

- 2016 – Second place in the GISS Specialty Group honors student paper competition at the American Association of Geographers Annual Meeting, \$750
- 2014 – Third place in the Climate Specialty Group student paper competition at the American Association of Geographers Annual Meeting, \$100
- 2012 – NCGE/AAG Excellence of Scholarship Award, \$250
- 2012 – First place in the University of Georgia Undergraduate Geography Conference paper competition, \$100
- 2011 – Runner-up in the University of Georgia Undergraduate Geography Conference poster competition, \$50

HONORS

- 2021 – Early Career Research Fellow UTSA NASA MIRO CAMEE
- 2016 – University of Georgia Outstanding Graduate Teaching Assistant
- 2015 – Department of Geography Outstanding Graduate Teaching Assistant
- 2012 – First Honor Graduate: Maintained a 4.0 GPA every semester
- 2012 – Summa Cum Laude Graduate
- 2012 – Inducted in Phi Beta Kappa Honor Society
- 2010 – Inducted in Gamma Theta Upsilon International Geographical Honor Society
- 2009 – Inducted in Golden Key International Honor Society
- 2009 – Inducted in Alpha Lambda Delta National Honor Society
- 2008–2010 – Presidential Scholar: Maintained a 4.0 while enrolled in at least 14 credit hours

ASSISTANTSHIPS AND SCHOLARSHIPS

- 2014 - 2017 – University of Georgia Teaching Assistantship, \$16,452 per year
- 2012 - 2014 – University of Georgia Graduate School Assistantship, \$15,380 per year
- 2012 – Community Foundation for Greater Atlanta Lieutenant Joel Hirsch Goldberg Scholarship, \$2,754
- 2010 – University of Georgia Department of Geography Merle C. Prunty Scholarship, \$1,000

2008 - 2012 – University Charter Scholarship and Regent Waiver, \$70,000 total

SERVICE ACTIVITIES

Department

2021 - Present – Committee on Research (Chair)

2020 - Present – Scholarship Review Committee (Member)

2020 - Present – Geoinformatics Admissions Committee (Member)

2020 - Present – Geoinformatics Graduate Committee (Member)

2019 - Present – Co-creator of Critical GIS Certificate Program

2019 - Present – Speaker Series Subcommittee (Member)

2019 - Present – Departmental Faculty Library Liaison

2018 - Present – Faculty Advisor for the Eta Beta Chapter of the Gamma Theta Epsilon International Geographical Honor Society

2018 - Present – Geography Graduate Applications Committee (Member)

2018 - Present – Participated in Major recruitment for the Geography and Environmental Sustainability Program at numerous events (e.g., Roadrunner Days, Fall into Your Major, Departmental Mixer, and UTSA-ISA event)

2018 - Present – Department Faculty Advisory Committee (Member)

2020 – Interim Geography Graduate Program Coordinator

2019 - 2020 – Committee on Research (Member)

2019 - 2020 – Research Methods in Political Science and Global Affairs Search Committee Member

2015 – Faculty Representative, UGA Geography Graduate Student Association

2014 – Colloquium Representative, UGA Geography Graduate Student Association

2013 - 2014 – Judge, UGA Undergraduate Geography Conference

2013 – Co-Chair, UGA AMS Chapter Career Fair Committee

2012 – President, Gamma Nu Chapter of the Gamma Theta Upsilon International Geographical Honor Society

College

2021 - Present – Committee for Research and Creative Activities (Member)

2019 - Present – Judge for the College of Liberal and Fine Arts Student Conference

University

2022 - Present – Faculty Senator for the Department of Political Science and Geography

2022 - Present – Handbook of Operating Procedures Faculty Senate Committee

2020 – New Faculty Peer Mentoring Team Leader

Discipline

2022 – NSF Ad-Hoc Reviewer for Physical and Dynamic Meteorology Program

2021 – NSF Review Panelist for Harnessing the Data Revolution Solicitation

2020 – NSF Ad-Hoc Reviewer for Hydrological Sciences Program

2019 – Chair, Optimization of the Urban, Rural and Liminal. Paper Session. *Southeastern Division of the American Association of Geographers Annual Meeting*

2019 – Organizer and Chair, Sustainable Transportation Systems: The Key Environmental Issues Paper Session. *American Association of Geographers Annual Meeting*

2018 – Co-Chair, Local and Regional Response in the Water Cycle Due to Urbanization Poster and Paper Sessions. *American Meteorological Society Annual Meeting*

2017 – Chair, Sustainable Cities Paper Session. *American Association of Geographers Annual Meeting*

2015 – Organizer and Chair, Superstorm Sandy: Hazards, Vulnerabilities & Impacts Paper Session. *American Association of Geographers Annual Meeting*

2011 – Chair, Applications of GIS and Remote Sensing Paper Session. *Southeastern Division of the American Association of Geographers Annual Meeting*

Journal Manuscripts Reviewed:

Urban Climate (8; Outstanding Reviewer Recognition), *International Journal of Climatology* (3), *Landscape and Urban Planning* (3), *International Journal of Applied Earth Observations and Geoinformation* (2), *Journal of Applied Meteorology and Climatology* (2), *Atmosphere* (2), *Sustainable Cities and Society* (2), *Environment and Planning B* (2), *Journal of Geophysical Research – Atmospheres* (2), *Bulletin of the American Meteorological Society* (1), *Geophysical*

Research Letters (1), *Water Resources Research* (1), *Hydrological Processes* (1), *Weather, Climate and Society* (1), *PLOS One* (1), *Journal of Hydrology* (1), *Monthly Weather Review* (1), *Remote Sensing of Environment* (1), *Environmental Hazards* (1), *Natural Hazards* (1), *Electoral Studies* (1), *International Journal of Sustainable Development and Planning* (1), *Water* (1), *Advances in Atmospheric Sciences* (1), and *Asian Social Science* (1)

Community

2020 - Present – Selected by the San Antonio City Council to serve on the Technical and Community Advisory Committee tasked with implemented the city’s Climate Action and Adaptation Plan

2019 – Provided written feedback on San Antonio’s Climate Action and Adaptation Plan

MEDIA CONTRIBUTIONS

2022 – Urban rainfall effect rankings discussed in the [New Orleans Advocate](#)

2022 – Interview with [AccuWeather](#) on urban rainfall effect study

2022 – Research on the urban rainfall effect discussed in [UTSA Today](#)

2021 – Interview with the [City of San Antonio Office of Sustainability](#) blog on youth engagement and climate action.

2021 – Research on traffic congestion and urban form featured in [UTSA Today](#)

2021 – Study on Atlanta flooding was highlighted in [Science News for Students](#)

2021 – Research on Edwards Aquifer land use change highlighted in [UTSA Today](#)

2021 – Urban heat island research included in [New York Times](#) article on urban trees

2021 – Urban heat island study mentioned in [E&E News](#) story on Miami appointing a Chief Heat Officer

2021 – Flooding and environmental justice work discussed in [Forbes](#)

2021 – [UTSA Today](#) article highlighting my appointment to the SA CAAP Community and Technical Advisory Committee

2020 – Research on airline carbon emissions showcased in [UNCG Research Magazine](#)

2020 – Research on election turnout and weather discussed in [Forbes](#)

2020 – Research featured in the Climate Project documentary on climate justice which aired on [NBC-Boston](#)

- 2020 – Study on the urban heat island effect highlighted in [Forbes](#) article on urban heat and red lining
- 2020 – Interview with [ABC-San Antonio](#) as part of their “KSAT Explains” episode on climate change policy
- 2020 – Interview with [NBC-Boston](#) on urban flood risk inequities and climate change.
- 2020 – “San Antonio’s COVID-19 Cases Show a Tale of 2 Cities, But That Could Change” Commentary in the [Rivard Report](#) (also featured in [UTSA Today](#))
- 2020 – [Weather Channel](#) interview for their show “2020 Race to Save the Planet: Environmental Justice” which featured presidential candidates
- 2019 – [Science Daily](#) story on aviation carbon emissions research
- 2019 – [ABC-San Antonio](#) interview on the importance of traditional maps in the digital GPS age
- 2019 – [UTSA Today](#) interview on urban climatology research
- 2019 – [Forbes article](#) that discusses my urban heat island research
- 2018 – [Forbes article](#) that discusses urban streamflow research
- 2017 – [WUGA radio interview](#) on Southeastern atmospheric river research
- 2017 – [UGA Today](#) story on Southeastern atmospheric river research
- 2016 – Provided information on the strategies cities are utilizing to combat rising urban temperatures to [New York Magazine](#)
- 2015 – [Next City](#) interview on urban heat island effect research
- 2015 – [Atlanta NPR](#) (WABE) radio interview on urban heat island effect research
- 2015 – [UGA Today](#) story on urban heat island effect research
- 2015 – Provided a summary report of the urban heat island effect in Minneapolis-St. Paul to help inform pollution modelling efforts at the Minnesota Pollution Control Agency
- 2014 – Reviewed and provided feedback on [Climate Central’s](#) report, “Summer in the City: Hot and Getting Hotter”
- 2014 – Provided information on how urban environments influence and are impacted by climate change for the [Georgia Initiative for Climate and Society’s](#) website

2013 – Provided a report documenting the intensity of the Phoenix, Arizona urban heat/dry island effects to the [BBC Two Cloud Lab Series](#) and advised on how these phenomena could be evaluated using the project's airship

MEMBERSHIPS

American Association of Geographers (AAG)

American Meteorological Society (AMS)

REFERENCES

Dr. J. Marshall Shepherd, Georgia Athletic Association Distinguished Professor, Department of Geography, University of Georgia (marshgeo@uga.edu)

Dr. Richard Jones, Professor, Geography and Environmental Sustainability Program Director, Department of Political Science and Geography, The University of Texas at San Antonio (richard.jones@utsa.edu)

Dr. John A. Knox, Professor and Atmospheric Sciences Advisor, Department of Geography, University of Georgia (johnknox@uga.edu)