

Glenn Sheriff

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Appointments

Assistant Director of Research, Global Futures Laboratory Arizona State University	2023–Present Tempe, AZ
Associate Professor, School of Politics and Global Studies Arizona State University	2022–Present Tempe, AZ
Assistant Professor, School of Politics and Global Studies Arizona State University	2018–2022 Tempe, AZ
Assistant Research Professor, School of Politics and Global Studies Arizona State University	2017–2018 Tempe, AZ
Senior Economist, Office of the Chief Economist U.S. Department of State	2015–2017 Washington, DC
Economist, National Center for Environmental Economics (NCEE) U.S. Environmental Protection Agency	2009–2015 Washington, DC
Deputy Associate Director for Energy and Climate Change White House Council on Environmental Quality	2011–2012 Washington, DC
Assistant Professor, School of International and Public Affairs Columbia University	2004–2009 New York, NY

Education

Ph.D. Agricultural and Resource Economics University of Maryland	December 2004 College Park, MD
M.S. Agricultural and Resource Economics University of Maryland	December 2000 College Park, MD
B.S. Foreign Service Georgetown University	June 1993 Washington, DC

RESEARCH

Peer-Reviewed Articles

- [A24] V. Mueller, Hauer, M., **G. Sheriff**. “‘Sunny Day’ Flooding and Mortality Risk in Coastal Florida” Accepted at *Demography*.
- [A23] **Sheriff, G.** “California’s GHG cap and trade program and the equity of air toxic emissions” Forthcoming *Journal of the Association of Environmental and Resource Economists*: DOI 10.1086/725699.
- [A22] Hauer, M., V. Mueller, **G. Sheriff**. “Sea Level Rise Already Delays Coastal Commuters” *Environmental Research: Climate* 2(2023):045004.
- [A21] T. Chakraborty, A. Newman, Y. Qian, A. Hsu, **G. Sheriff**. “Widespread Urban Heat Stress Disparities across Income and Race in the United States” *One Earth* 6(2023):738–750.
- [A20] Hauer, M., V. Mueller, **G. Sheriff**, Q. Zhong. “More than a nuisance: Measuring how sea level rise delays commuters in Miami” *Environmental Research Letters* 16(2021):1–11.
- [A19] Hsu, A., **G. Sheriff**, T. Chakraborty, D. Manya. “Disproportionate exposure to Urban Heat Island across major U.S. cities” *Nature Communications* 12(2021):1–11.
- [A18] Mansur, E. and **G. Sheriff**. “On the measurement of environmental inequality: Ranking emissions distributions generated by different policy instruments.” *Journal of the Association of Environmental and Resource Economists* 9(2021):721–758.

- [A17] Mueller, V., **G. Sheriff**, C. Keeler, M. Jehn. “COVID-19 Policy Modeling in Sub-Saharan Africa” *Applied Economic Perspectives and Policy* 43(2021):24–38.
- [A16] Chakraborty, T., A. Hsu, D. Manya, **G. Sheriff**. “A Spatially Explicit Satellite-Derived Surface Urban Heat Island Database for Urbanized Areas in the United States: Characterization, Uncertainties, and Possible Applications.” *ISPRS Journal of Photogrammetry and Remote Sensing* 168(2020):74–88.
- [A15] **Sheriff, G.** and K. Maguire. “Health Risk, Inequality Indexes, and Environmental Justice” *Risk Analysis* 40(2020):2661–2674.
- [A14] Mueller, V., **G. Sheriff**, X. Dou, C. Gray. “Temporary Migration and Climate Variation in Eastern Africa” *World Development* 126(2020):1–16.
- [A13] Chakraborty, T., A. Hsu, D. Manya, **G. Sheriff**. “Disproportionately Higher Exposure to Urban Heat in Lower-income Neighborhoods: A Multi-City Perspective” *Environmental Research Letters* 14(2019): 1–10.
- [A12] **Sheriff, G.** “Burden Sharing Under the Paris Climate Agreement” *Journal of the Association of Environmental and Resource Economists* 6(2019):275–318.
- [A11] **Sheriff, G.**, A. Ferris, and R. Shadbegian. “How did air quality standards affect employment and generation at US power plants? The importance of stringency, geography, and timing” *Journal of the Association of Environmental and Resource Economists* 6(2019):111–149.
- [A10] Kondylis, F., V. Mueller, **G. Sheriff**, and S. Zhu. “Do female instructors reduce gender bias in diffusion of sustainable land management techniques? Experimental evidence from Mozambique” *World Development* 78(2016):436–449.
- [A9] Fernandez, L. and **G. Sheriff**. “Optimal border policies for invasive species under asymmetric information” *Environmental and Resource Economics* 56(2013):27–45.
- [A8] Athanassoglou, S., **G. Sheriff**, T. Siegfried, and W.T. Huh. “Optimal mechanisms for heterogeneous multi-cell aquifers” *Environmental and Resource Economics* 52(2012):265–291.
- [A7] Maguire, K. and **G. Sheriff**. “Quantifying the distribution of environmental outcomes for regulatory environmental justice analysis” *International Journal of Environmental Research and Public Health* 8(2011): 1707–1726.
- [A6] Mueller, V. and **G. Sheriff**. “On Hedonic Valuation of Urban Amenities Using Unbalanced Data” *Land Economics* 86(2010):545–551.
- [A5] **Sheriff, G.** and D. Osgood. “Disease Forecasts and Livestock Health Disclosure: A Shepherd’s Dilemma” *American Journal of Agricultural Economics* 92(2010):776–788.
• Outstanding *American Journal of Agricultural Economics* Article Award: Honorable Mention.
- [A4] **Sheriff, G.** “Implementing Second-Best Environmental Policy under Adverse Selection” *Journal of Environmental Economics and Management* 57(2009):253–268.
- [A3] **Sheriff, G.** “Optimal Environmental Regulation of Politically Influential Sectors with Asymmetric Information” *Journal of Environmental Economics and Management* 55(2008):72–89.
- [A2] **Sheriff, G.** “Efficient Waste? Why Farmers Over-apply Nutrients and the Implications for Policy Design” *Review of Agricultural Economics (now Applied Economics and Policy Perspectives)* 27(2005):542–557.
- [A1] **Sheriff, G.** “Measuring Profit Efficiency with McFadden’s Gauge Function” *Economics Letters* 88(2005): 272–277.

Working Papers

- [M1] **Sheriff, G.**, M. Hauer, V. Mueller, Q. Zhong. “Does tidal flooding contribute to climate gentrification in Miami?”.

Technical Reports

- [T2] Hsu, A., N. Alexandre, J. Brandt, T. Chakraborty, S. Comess, A. Feierman, T. Huang, S. Janaskie, D. Manya, M. Moroney, N. Moyo, R. Rauber, **G. Sheriff**, R. Thomas, J. Tong, Y. Xie, A. Weinfurter, Z. Yeo, et al. *The Urban Environment and Social Inclusion Index*. New Haven CT: Yale University (2018).
- [T1] **Sheriff, G.** *SMESat: Small and Medium Size Enterprises in Latin America and the Caribbean*. Inter-American Investment Corporation (1997).

Grants

- [G6] Co-Investigator (Angel Hsu, PI), NASA Research Opportunities in Space and Earth Science, “High resolution Heat Index to Identify Current and Future Disparities in Urban Heat Stress” (2023) \$500,000.
- [G5] PI, NSF Analytics for Equity Initiative “Do equity improvements in exposure to environmental stressors translate to equity improvements in health outcomes for overburdened communities?” (2023) \$75,000.
- [G4] Co-Investigator (Danäe Hernández-Cortés, PI), U.S. EPA Science to Achieve Results Grant, “Environmental justice implications of public transit electrification and changing generation portfolios in Arizona” (2023) \$650,000.
- [G3] PI, ASU Institute for Social Science Research Seed Grant, “Every Minute Counts: Medical Response Times, Sea Level Rise, and Health Risk” (2022) \$8,000.
- [G2] Co-Investigator (Valerie Mueller, PI), NSF Early-concept Grant for Exploratory Research, “Impassable During High Water: Sea Level Change, Commuting, and Climate Gentrification” (2019) \$300,000.
- [G1] Co-PI (with Linda Fernandez), USDA ERS, Program of Research on the Economics of Invasive Species Management, “Efficient Institutions for Encouraging Private Sector Cooperation in Preventing Unintended Imports of Invasive Species in Agricultural Commodities” (2007) \$190,000.

Research Presentations

- 2023 Association of Environmental and Resource Economists (AERE), Portland, ME; Allied Social Science Association (ASSA), New Orleans, LA.
- 2022 AERE, Miami, FL.
- 2021 AERE, Zoom; ASSA, Zoom.
- 2020 AERE, Zoom; ASSA, San Diego, CA.
- 2019 Institut National de la Recherche Agronomique (INRA), Paris, France; AERE, Incline Village, NV.
- 2018 Colorado University Workshop on Environmental and Resource Economics, Vail, CO; Colorado School of Mines, Golden, CO; World Congress of Environmental and Resource Economists (WCERE), Gothenburg, Sweden.
- 2017 Arizona State University, Tempe, AZ; United Nations University World Institute for Development Economics Research, Conference on Migration and Mobility, Accra, Ghana; Migration and Development Conference, Clermont-Ferrand, France.
- 2016 AERE, Breckenridge, CO.
- 2015 AERE, San Diego, CA.
- 2014 National Bureau of Economic Research Summer Institute for Energy and the Environment, Cambridge, MA; The Inter-American Development Bank, Washington, DC; The World Bank, Washington, DC.
- 2013 Society for Risk Analysis, Baltimore, MD; Occasional California Workshop in Environmental and Resource Economics (OCW), Santa Barbara, CA; AERE, Banff, Canada; Resources for the Future, Washington, DC.
- 2012 Western Economics Association, San Francisco, CA.
- 2011 AERE, Seattle, WA.
- 2010 WCERE, Montreal, Canada; OCW, Santa Barbara, CA; Columbia University, New York, NY.
- 2009 USDA ERS, Washington, DC; International Food Policy Research Institute, Washington, DC; University of Maryland, College Park, MD; Western Economics Association, Vancouver, Canada; OCW, Santa Barbara, CA.
- 2008 Program of Research on the Economics of Invasive Species Management Workshop, Washington, DC; Frontiers in Environmental Economics and Natural Resources Management, Toulouse, France.
- 2007 American Agricultural Economics Association (AAEA), Portland, OR; Canadian Resource and Environmental Economics Study Group, Ottawa, Canada; Northeast Universities Development Consortium, Cambridge, MA; University of British Columbia, Vancouver, Canada; Laval University, Quebec, Canada.

- 2006 North American Productivity Workshop, New York, NY; Camp Resources, Wilmington, NC; AAEA, Long Beach, CA; Heartland Environmental and Resource Economics Workshop, Ames, IA; Colorado University Workshop on Environmental and Resource Economics, Vail, CO; OCW, Santa Barbara, CA; Yale University, New Haven, CT; USDA ERS, Washington, DC.
- 2005 AAEA, Providence, RI; OCW, Santa Barbara, CA.
- 2003 European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain.
- 2002 Columbia University, New York, NY.
- 2001 European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain; European Association of Agricultural Economics, Copenhagen, Denmark; INRA, Toulouse, France; University of Verona, Italy; University of Toulouse, France.
- 2000 AAEA, Tampa, FL.
- 1999 AAEA, Nashville, TN.

Other Research Experience

Visiting Scholar Institut National de la Recherche Agronomique	Summer 2019 Paris, France
Visiting Scholar, Department of Economics University of Verona	Summer 2018 Verona, Italy
Visiting Scholar, Department of Agricultural and Resource Economics University of California	Fall 2006 Berkeley, CA
Visiting Researcher Institut National de la Recherche Agronomique	Summer 2005 Toulouse, France
Lecturer, School of International and Public Affairs Columbia University's Biosphere 2 Center	2002-2003 Oracle, AZ
Consultant, Rural Development Division The World Bank	2002 Washington, DC
Agricultural Economist, Resource & Environmental Policy Branch USDA Economic Research Service (ERS)	Summers 2000 and 2001 Washington, DC
Consultant, Office of the Chief Economist Inter-American Investment Corporation	1997 Washington, DC
Consultant, Trade, Integration & Hemispheric Issues Division Inter-American Development Bank	1994-1997 Washington, DC
Research Assistant, International Trade, Finance & Transport Division UN Economic Commission for Latin America	August–October 1993 Santiago, Chile

TEACHING

Arizona State University, School of Politics and Global Studies

- SGS 394 (Special Topics): Global Markets
2018–2020, 2021 (ASU Sync), 2022
- SGS 303: Global Trends (ASU Online)
2017, 2019–2023
- SGS 330: Globalization and the Environment
2018–2022
- SGS 499: Individualized Instruction
2020, 2023

Columbia University, School of International and Public Affairs

ENVP 8213: Microeconomics and Policy Analysis I
2002–2005, 2007, 2008

ENVP 8216: Microeconomics and Policy Analysis II
2003–2005, 2007–2009

ENVP 6230: Economics of Sustainable Development
2003–2005, 2007–2009

SERVICE

Profession

Referee: *African Identities, Agricultural and Resource Economics Review, Agricultural Economics, American Journal of Agricultural Economics, Applied Economics, Applied Economic Perspectives and Policy, Climate and Development, Climatic Change, Contemporary Economic Policy, Economic Inquiry, Energy Economics, Energy Journal, Environment and Development Economics, Environmental and Resource Economics, Environmental Research Communications, Forests, GeoJournal, Global Environmental Change, Health, Risk and Society, International Journal of Environmental Research and Public Health, International Journal of Environmental Technology and Management, Journal of Agricultural and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Development Economics, Journal of Economic Analysis & Policy, Journal of Economic Education, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of the European Economic Association, Journal of Policy Analysis and Management, Journal of Public Economics, Journal of Soil and Water Conservation, Land Economics, Proceedings of the National Academy of Sciences, Resource and Energy Economics, Review of Agricultural Economics, Science, Strategic Behavior and the Environment, Sustainability, Transportation Research Interdisciplinary Perspectives, Water Economics and Policy, Water Resources Research, and Weather, Climate and Society.*

Editorial Council: *Journal of Environmental Economics and Management* (2010–2015)

Scientific Program Committee: European Association of Environmental and Resource Economists (2019 conference), World Congress of Environmental and Resource Economists (2018 conference)

Member: Association of Environmental and Resource Economists, International Association for Energy Economics

University

Center for Environmental Economics and Sustainability Policy, Seminar Committee Chair (2019–2021)

School

SPGS Strategic Vision Committee (Present)

Committee on Justice, Equity, Diversity, and Inclusion (2021–Present)

Undergraduate Committee (2018–2019, 2020–2023)

Global Studies Hiring Committee (2022–2023)

Research Advancement Committee (2019–2020)

Outreach and Engagement Committee (2017–2018)