

Andrew Zimmer

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Education

Ph.D. Geography – University of Arizona, USA	2022 (expected)
Committee: Tom Evans (Chair), Diana Liverman, Andrea Gerlak, Kevin Anchukaitis	
Dissertation: Dynamics of rural-urban food systems in southern Africa	
M.Sc. Environmental Science & Technology – Lancaster University, UK	2017
B.A. Geography (with Honors) – Lancaster University, UK	2016
Foreign study at Oregon State University, College of Earth, Ocean, and Atmospheric Science (2014-2015)	

Academic Employment

2019-P	Graduate Research Assistant , University of Arizona. Employed under NSF-supported “CNH2-L: Linkages and Interactions Between Urban Food Security and Rural Agricultural Systems”, Tom Evans (PI)
2020	Graduate Research Assistant , University of Arizona. Employed under NSF-supported “RAPID: Spatial Resilience of Food Production, Supply Chains, and Security to COVID-19”, Tom Evans (PI)
2019-2020	Graduate Research Assistant , University of Arizona. Employed under NSF-supported “Hazards SEES: Understanding Cross-Scale Interactions of Trade and Food Policy to Improve Resilience to Drought Risk”, Tom Evans (PI)
2018	Graduate Research Assistant , University of Arizona. Employed under NSF-supported “WSC: Impacts of Agricultural Decision Making and Adaptive Management on Food Security”, Tom Evans (PI)

Honors, Grants and Fellowships

2021	Arizona Institute for Resilience: Roots for Resilience Data Science Assistantship	\$7,000
2020	UA Global Change Minor Summer Research Funding	\$1,500
2019	UA Institute of the Environment: Carson Scholars Science Communication Program	\$5,000
2019	UA Geography Summer Research Grant	\$450
2019	UA Geography Sustainable Development Goals Research Grant	\$500

Publications

In prep	Zimmer, A , Guido, Z, Davies, J, Joshi, N, Anderson P, Baylis, K, Evans, T. Socio-environmental determinants of maize price volatility in southern Africa.
In prep	Zimmer, A , Guido, Z, Davies, J, Joshi, N, Evans, T. The importance of rural-urban linkages in promoting household food security in African secondary cities.

- In review Hannah, C, Davies, J, Green, R, **Zimmer, A**, Anderson, P, Battersby, J, Baylis, K, Joshi, N, Evans, T. Persistence of open-air markets in the food systems of Africa's secondary cities. *Cities*.
- 2021 Guido, Z, Lopus, S, Waldman, K, Hannah, C, **Zimmer, A**, Krell, N, Knudson, C, Estes, L, Caylor, K, Evans, T. (2021). Perceived links between climate change and weather forecast accuracy: new barriers to tools for agricultural decision-making. *Climatic Change*, 168(1): 1-20
- 2021 Davies, J, Hannah, C, Guido, Z, **Zimmer, A**, McCann, L, Battersby, J, Evans T. (2021). Barriers to urban agriculture in Sub-Saharan Africa. *Food Policy*, 103: 101999
- 2021 Mack, EA, Bunting, E, Herndon, J, Marcantonio, R, Ross, A, **Zimmer, A**. (2021). Conflict and its relationship to climate variability in Sub-Saharan Africa. *Science of the Total Environment*, 775: 145646
- 2021 Pearson, AL, Mack, EA, Ross, A, Marcantonio, R, **Zimmer, A**, Bunting, E, Culver-Smith, A, Miller, JD, Evans, T. (2021). Interpersonal Conflict over Water is Associated with Household Demographics, Domains of Water Insecurity, and Regional Conflict: Evidence from Nine Sites across Eight Sub-Saharan African Countries. *Water*, 13(9): 1150.
- 2021 Hannah, C, Giroux, S, Krell, N, Lopus, S, McCann, L, **Zimmer, A**, Caylor, K, Evans, T. (2021). Has the vision of a gender quota rule been realized for community-based water management committees in Kenya? *World Development*, 137: 105154
- 2020 **Zimmer, A**, Guido, Z, Tuholske, C, Pakalniskis, A, Lopus, S, Caylor, K, Evans, T. (2020). Dynamics of population growth in secondary cities across southern Africa. *Landscape Ecology*, 35(11): 2501-2516.
- 2020 Guido, Z, **Zimmer, A**, Lopus, S, Hannah, C, Gower, D, Waldman, K, Krell, N, Sheffield, J, Caylor, K, Evans, T. (2020). Farmer Forecasts: Impacts of seasonal rainfall expectations on agricultural decision-making in Sub-Saharan Africa. *Climate Risk Management*. 30:100247.

Presentations, Posters & Articles

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- 2021 **Zimmer, A**. Texting the climate: How farmers in Sub-Saharan Africa are Meeting a Changing Future. Terrain.org, A Life of Science.
- 2019 **Zimmer, A**, Guido, Z, Davies, J, Evans, T. Rural-Urban Linkages of Maize Price in Zambia. Paper presented at the Commonwealth Geographic Bureau International Conference on Contemporary Issues in Food and Food Security, Maputo, Mozambique.
- 2019 **Zimmer, A**, Guido, Z, Hannah, C, Lopus, S, Waldman, K, Gower, D, Evans, T. Weather Forecasts, Farmer Perceptions and Adaptation to Climate Change in Sub-Saharan Africa. American Association of Geographers Annual Meeting, Washington DC, USA.
- 2019 **Zimmer, A**. Patterns of Urban Growth in southern Africa. University of Arizona Graduate Interdisciplinary Program (GIDP) Student Research Showcase. University of Arizona, Tucson, AZ, USA.

- 2019 **Zimmer, A.** Texting the climate: How farmers in southern Africa are meeting the future. University of Arizona College of Science Café Series. Borderlands Brewery, Tucson, AZ, USA.
- 2019 **Zimmer, A.** Small-Scale Farmers' Strategies to Mitigate Fall Armyworm Impact in Rural Zambia. University of Arizona Food Security and Social Justice Network (FSSJN). University of Arizona, Tucson, AZ, USA.

Teaching Experience

Teaching Assistant

GEOG 230 – Our Changing Climate

Fall 2021

Conferences, Workshops & Training

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- 2020 American Association of Geographers Annual Meeting, online.
- 2019 Commonwealth Geographic Bureau Workshop on Food and Food Security with the Hungry Cities Partnership. Maputo, Mozambique
- 2019 Arizona State University & University of Arizona workshop on climate justice. University of Arizona, Tucson, AZ, USA.
- 2019 American Association of Geographers Annual Meeting, Washington DC, USA.
- 2019 Alan Alda Center for Communicating Science workshop. University of Arizona, Tucson, AZ, USA.

Field Experience

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- 2018 Rural agricultural and household survey, Nanyuki, Kenya
- 2019 Rural agricultural and household survey & urban food security survey, Zambia

Service and Professional Affiliations

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- Member: American Association of Geographers
 Southern Arizona Geographers Association