

ANDREW ZIMMER

CURRICULUM VITAE

School of Geography, Development & Environment
University of Arizona, 1064 E. Lowell Street, Tucson, AZ, 85721

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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, USA		2015

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 review	Gerlak, AK, Guido, Z, Owen, G, Rodriguez McGoffin, S, Louder, E, Davies, J, Smith, KJ, Zimmer, A, Murviet, A, Meadow, A, Shrestha, P, Joshi, N. Stakeholder Engagement in the Co-Production of Knowledge for Environmental Decision-making. In review at <i>World Development</i> .
In review	Davies, J, Blekking, J, Hannah, C, Zimmer, A , Joshi, N, Anderson, P. Governance of traditional markets and rural-urban food systems in sub-Saharan Africa. In review at <i>Habitat International</i> .
In review	Ross, A, Marcantonio, R, Miller-Graff, L, Pearson, A, Bunting, E, Zimmer, A . Does variability in climate precipitate intimate partner violence in Sub-Saharan Africa? In review at <i>World Development</i> .
In review	Zimmer, A , Guido, Z, Davies, J, Joshi, N, Evans, T. Food Systems and Rural-Urban Linkages in African Secondary Cities. In review at <i>Urban Transformations</i> .

- 2022 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*, 124: 103608.
- 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.

HONORS, GRANTS AND FELLOWSHIPS

2021	UA 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 Program	\$5,000
2019	UA Geography Summer Research Grant	\$450
2019	UA Geography Sustainable Development Goals Research Grant	\$500

PRESENTATIONS, POSTERS & OTHER ARTICLES

- 2022 **Zimmer, A.** Dynamics of rural-urban food systems in southern Africa. Center for Climate Adaptation Science and Solutions (CCASS), University of Arizona. Presentation.
- 2021 **Zimmer, A.** Texting the climate: How farmers in Sub-Saharan Africa are Meeting a Changing Future. Terrain.org, A Life of Science. Article.
- 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. Presentation.
- 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. Presentation.
- 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. Poster Presentation.
- 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. Presentation
- 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. Presentation.

TEACHING EXPERIENCE

Instructor of Record

GEOG230 - Our Changing Climate

Winter 2021, Summer 2022

Teaching Assistant

GEOG230 - Our Changing Climate

Fall 2021, Spring 2022

RESEARCH EXPERIENCE

- 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)

CONFERENCES, WORKSHOPS & TRAINING

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| 2021 | Foundational Open Science Skills Course, CyVerse, online |
| 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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| 2019 | Rural agricultural and household survey, Zambia (n = 2000) |
| 2019 | Urban food security and household survey, Zambia (n = 2000) |
| 2018 | Rural agricultural and household survey, Kenya (n = 1000) |

SERVICE AND PROFESSIONAL AFFILIATIONS

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| Reviewer: | <i>World Development Perspectives</i>
<i>Environmental Development</i> | |
| Mentor: | Diana Liverman Scholars Program | (2021) |
| Member: | American Association of Geographers | (2018-P) |
| | Southern Arizona Geographers Association | (2018-P) |

ADDITIONAL INFORMATION

Programming: R, Python, QGIS, ArcGIS

Citizenship: United Kingdom, United States (Permanent Residency)