

Andrew Zimmer

Curriculum Vitae

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Education

PhD Geography · University of Arizona	2022
Dissertation: <i>Dynamics of Rural-Urban Food Systems in Southern Africa</i>	
MS Environmental Science & Technology · Lancaster University, UK	2017
BA Geography · Lancaster University, UK	2016
<i>Study-abroad at Oregon State University</i>	2015

Academic Appointments

Postdoctoral Researcher, Dept. Earth Sciences, Montana State University	2023 - present
Instructor, School of Geography, University of Arizona	2021 - 2022
Graduate Teaching Assistant, School of Geography, University of Arizona	2020 - 2022
Graduate Research Assistant, School of Geography, University of Arizona	2018 - 2022

Research

Peer-Reviewed Publications

- [11] Mack, EA, Marcantonio R, Bunting, E, Ross, A, Zimmer, A, Zulu, L, Gómez-Fernández, EL, Herndon, J Henebry, G. A Systematic Literature Review of Quantitative Studies Assessing the Relationship Between Water and Conflict on the African Continent. *Sustainability*. [Full Text](#).
- [10] **Zimmer, A**, Guido, Z, Davies, J, Joshi, N, Chilenga, A, Evans, T. 2022. Food Systems and Rural- Urban Linkages in African Secondary Cities. *Urban Transformations*. [Full Text](#).
- [9] Davies, J, Blekking, J, Hannah, C, **Zimmer, A**, Joshi, N, Anderson, P, Evans, T. 2022. Governance of traditional markets and rural-urban food systems in sub-Saharan Africa. *Habitat International*. [Full Text](#).
- [8] Hannah, C, Davies, J, Green, R, **Zimmer, A**, Anderson, P, Battersby, J, Baylis, K, Joshi, N, Evans, T. 2022. Persistence of open-air markets in the food systems of Africa's secondary cities. *Cities*. [Full Text](#).
- [7] 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*. [Full Text](#).
- [6] 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*. [Full Text](#).
- [5] 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*. [Full Text](#).

- [4] Pearson, AL, Mack, EA, Ross, A, Marcantonio, R, **Zimmer, A**, Bunting, E, Culver-Smith, A, Miller JD, Evans, T. HWISE-RCN. 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*. [Full Text](#).
- [3] 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*. [Full Text](#).
- [2] **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*. [Full Text](#).
- [1] 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*. [Full Text](#).

Research in Review

- [2] 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 *World Development*.
- [1] Ross, A, Marcantonio, R, Miller-Graff, L, Pearson, A, Bunting, E, **Zimmer, A**. Does water insecurity mediate the relationship between climate variability and intimate partner violence in sub-Saharan Africa? In review at *Climate and Development*

Research in Preparation

- [3] Davies, J, Blekking, J, **Zimmer, A**, Joshi, N, Hannah, C, Evans, T. A global review of urban marketplace governance.
- [2] **Zimmer, A**, Guido, Z, Anderson, P, Baylis, K, Evans, T. Socio-environmental determinants of maize price volatility in southern Africa.
- [1] **Zimmer, A**, Sullivan, J, Guido, Z, Evans, T. Rural-urban migration in African secondary cities.

Presentations

- [8] 2022. Socio-environmental determinants of maize price volatility. *International Institute of Migration & Development: Food (In)Security and Migrants on the Move*. Online.
- [7] 2022. Dynamics of rural-urban food systems in southern Africa. *Center for Climate Adaptation Science & Solutions*. University of Arizona, Tucson, AZ.
- [6] 2021. Texting the climate: How farmers in Sub-Saharan Africa are meeting a changing future. *Terrain.org Article*. Online.
- [5] 2019. Rural-Urban Linkages of Maize Price in Zambia. *Commonwealth Geographic Bureau International Conference on Contemporary Issues in Food and Food Security*. Maputo, Mozambique.
- [4] 2019. Weather Forecasts, Farmer Perceptions and Adaptation to Climate Change in Sub-Saharan Africa. *American Association of Geographers Annual Meeting*. Washington, DC.
- [3] 2019. Patterns of urban growth in southern Africa. *Graduate Interdisciplinary Program (GIDP)*.

University of Arizona, Tucson, AZ.

[2] 2019. Texting the climate: How farmers in southern Africa are meeting the future. *Borderlands Brewing Public Science Talks*. Tucson, AZ.

[1] 2019. Small Scale Farmers Strategies to Mitigate Fall Armyworm Impact in Rural Zambia. *Food Security and Social Justics Network*. University of Arizona, Tucson, AZ.

Teaching

Instructor of Record

GEOG230 - Our Changing Climate

Winter 2021 (online)
Summer 2022 (online)
Fall 2022 (in-person)

Teaching Assistant

GEOG230 - Our Changing Climate

Fall 2021
Spring 2022

Awards, Fellowships & Grants

Roots for Resilience Data Science Assistantship 2021
Data Science Institute, University of Arizona
Amount: \$7,000

Global Change Minor Program Summer Research Grant 2021
Graduate College, University of Arizona
Amount: \$1,500

Carson Scholar Science Communication Program 2019
Institute of the Environment, University of Arizona
Amount: \$5,000

Sustainable Development Goals Research Grant 2019
School of Geography, University of Arizona
Amount: \$950

Conferences, Workshops & Training

Foundational Open Science Skills, CyVerse. *Online*. 2021

American Association of Geographers Annual Meeting. *Virtual*. 2020

Commonwealth Geographic Bureau Workshop on Food and Food Security
with the Hungry Cities Partnership. *Maputo, Mozambique* 2019

ASU & UA Workshop on Climate Justics. *Tucson, AZ*. 2019

American Association of Geographers Annual Meeting. *Washington, DC*. 2019

Alan Alda Center for Communicating Science Workshop. *Tucson, AZ*. 2019

Service

Referee

World Development Perspectives
Environmental Development
Weather, Climate & Society

Mentorship

Mentor - Diana Liverman Scholars Program	2021
Peer Mentor - School of Geography, University of Arizona	2020

Membership

American Geophysical Union (AGU)	2022 - present
Population-Environment Research Network (PERN)	2022 - present
Global Land Programme (GLP)	2022 - present
American Association of Geographers (AAG)	2018 - present
Southern Arizona Geography Association (SAGA)	2018 - present

Additional Information

Software

Programming Experience:	R, Python
GIS Experience:	QGIS, ArcGIS
Survey Experience:	Qualtrics, TextIt SMS

Fieldwork Experience:	Kenya, Zambia
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Citizenship:	United Kingdom United States Permanent Resident
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