

# Andrew Zimmer

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## Curriculum Vitae

Montana State University · 226 Traphagen Hall · Bozeman, MT · 59717

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## Education

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

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## Academic Appointments

<b>Postdoctoral Researcher</b>	
Department of Earth Sciences, Montana State University	2023 - present
<b>Graduate Instructor</b>	
School of Geography, Development & Environment University of Arizona	2021 - 2022
<b>Graduate Teaching Assistant</b>	
School of Geography, Development & Environment University of Arizona	2020 - 2022
<b>Graduate Research Assistant</b>	
School of Geography, Development & Environment University of Arizona	2018 - 2022

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## Research

### *Peer-Reviewed Publications*

- [12] Ross, A, Marcantonio, R, Miller-Graff, L, Pearson, A, Bunting, E, **Zimmer, A**. In Press. Does water insecurity mediate the relationship between climate variability and intimate partner violence in sub-Saharan Africa? *Climate and Development*. [Full Text](#).
- [11] Mack, EA, Marcantonio R, Bunting, E, Ross, A, **Zimmer, A**, Zulu, L, Gómez-Fernández, EL, Herndon, J Henebry, G. 2022. 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*

- [1] 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*.

## **Presentations**

### *Invited \**

- [10\*] 2023. Understanding the rural-urban-climate nexus in Africa. *Montana State University Department of Earth Sciences Colloquium*. Bozeman, MT.
- [9] 2023. Socio-environmental determinants of maize price volatility in southern Africa. *American Association of Geographers Annual Meeting*. Denver, CO.
- [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 Justices Network*. University of Arizona, Tucson, AZ.

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## Teaching

### Instructor of Record

GEOG230 - Our Changing Climate	Winter 2021 (online) Summer 2022 (online) Fall 2022 (in-person)
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### Teaching Assistant

GEOG230 - Our Changing Climate	Fall 2021 Spring 2022
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## Awards, Fellowships & Grants

<i>Roots for Resilience Data Science Assistantship</i> Data Science Institute, University of Arizona Amount: \$7,000	2021
<i>Global Change Minor Program Summer Research Grant</i> Graduate College, University of Arizona Amount: \$1,500	2021
<i>Carson Scholar Science Communication Program</i> Institute of the Environment, University of Arizona Amount: \$5,000	2019
<i>Sustainable Development Goals Research Grant</i>	2019

School of Geography, University of Arizona  
Amount: \$950

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## Conferences, Workshops & Training

American Association of Geographers Annual Meeting. <i>Denver, CO.</i> Co-organized session “ <i>Understanding the rural-urban climate nexus</i> ”	2023
Foundational Open Science Skills, CyVerse. <i>Online.</i>	2021
American Association of Geographers Annual Meeting. <i>Online.</i>	2020
Commonwealth Geographic Bureau Workshop on Food and Food Security with the Hungry Cities Partnership. <i>Maputo, Mozambique</i>	2019
ASU & UA Workshop on Climate Justics. <i>Tucson, AZ.</i>	2019
American Association of Geographers Annual Meeting. <i>Washington, DC.</i>	2019
Alan Alda Center for Communicating Science Workshop. <i>Tucson, AZ.</i>	2019

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## Service

### Referee

*World Development Perspectives, Environmental Development, Weather, Climate & Society, Cogent Food and Agriculture*

### 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

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## Additional Information

### Software

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

Citizenship:

United Kingdom  
United States Permanent Resident