Michael Eggen

Curriculum vitae

eggenm@gmail.com

EDUCATION

2018	Ph.D., Geography University of Wisconsin-Madison Dissertation: Climate Change Impacts to Agriculture of the Blue Nile Highlands, Ethiopia.
2012	M.S., Geography University of Wisconsin-Madison Thesis: Interactions among environmental rehabilitation, social safety net and microfinance programs to resource access and vulnerability in Tigray, Ethiopia
2000	B.A. Mathematics Rice University

ACADEMIC POSITIONS

2021-2023	Postdoctoral Associate Sustainability Innovation Lab at Colorado University of Colorado-Boulder
2019-2021	Postdoctoral Scholar National Center for Ecological Analysis and Synthesis University of California, Santa Barbara

FELLOWSHIPS, GRANTS, AND AWARDS

2018	Florence Margai Best Student Paper Award, Africa Specialty Group, American Association of Geographers Annual Meeting
2018	Conference Travel Award, University of Wisconsin Graduate School
2016	International Research Travel Award, University of Wisconsin Graduate School
2015	Odebolt Conference Travel Grant, University of Wisconsin Geography Department
2012	Trewartha Research Travel Grant, University of Wisconsin Geography Department

2011 Foreign Language and Area Studies Summer Study Award (Tigrinya), United States Department of Education

PUBLICATIONS

2025 Turner M.D., Brottem L., Abakar Zaid H., **Eggen, M.**, Hamid Bourdjo I. "Connectivity and Boundaries Revisited: Pastoralists and Parks in Central Africa." *Biological Conservation*. https://doi.org/10.1016/j.biocon.2025.110990

2024 **Eggen, M**., Carlson K, Heilmayr, R. et al. "Smallholder participation in zero-deforestation supply chain initiatives in the Indonesian oil palm sector: Challenges, opportunities, and limitations." *Elementa*. https://doi.org/10.1525/elementa.2023.00099

2023 Brown, M., Carcedo, A., Eggen, M., Grace, K., Neff, J., Ciampitti I. "Integrated modeling framework for sustainable agricultural intensification." *Frontiers in Sustainable Food Systems*. https://doi.org/10.3389/fsufs.2022.1039962

2021 Austin, K.G., Heilmayr, R., Benedict, J.J., Burns, D.N., **Eggen, M**., Grantham, H., Greenbury, A., Hill, J.K., Jenkins, C.N., Luskin, M.S. et al. "Mapping and monitoring zero-deforestation commitments." *BioScience*. https://doi.org/10.1093/biosci/biab082

2021 Turner, M.D., **Eggen, M**., Teague, M., Ayantunde, S. "Variation in land endowments among villages in West Africa: Implications for land management." *Land Use Policy*. https://doi.org/10.1016/j.landusepol.2021.105768

2021 Hiernaux, P.; Turner, M.D.; **Eggen, M**.; Marie, J.; Haywood, M. "Resilience of wetland vegetation to recurrent drought in the Inland Niger Delta of Mali from 1982 to 2014." *Wetlands Ecology and Management*. https://doi.org/10.1007/s11273-021-09822-8

2019 **Eggen, M**., Ozdogan, M., Ademe, D., Foltz, J., Simane, B., Zaitchik, B. "Vulnerability of sorghum production to extreme, sub-seasonal weather under climate change." *Environmental Research Letters*. https://doi.org/10.1088/1748-9326/aafe19

2016 **Eggen, M**., Ozdogan, M., Zaitchik, B.F., Simane, B. "Land cover classification in complex and fragmented agricultural landscapes of the Ethiopian highlands." *Remote Sens*. 8, 1020. https://doi.org/10.3390/rs8121020

PRESENTATIONS AND TALKS

Invited talks

2018 "Crop Choice and Climate Change Impacts: View from the bottom to the top of the Blue Nile Highlands." Department of Civil and Environmental Engineering, University of Connecticut, Storrs, CT.

Conference Papers

2018	"Blinded by success: How upward accountability and project proliferation create spaces of exploitation in sustainable development", Sustainability and Development Conference, Ann Arbor, MI
2018	"Agricultural Impacts of Extreme Weather and Climate Change in Blue Nile Highlands, Ethiopia", American Association of Geographers Annual Meeting, New Orleans, LA.
2015	"Land Cover Classification of the Ethiopian Highlands in Support of Erosion Modeling", American Association of Geographers Annual Meeting, Chicago, IL.
2015	"Emergent Effects of Upward Accountability in Food-Insecure, Uneven Development Landscape: Comparative Research from Tigray, Ethiopia." Dimensions of Political Ecology Conference, Lexington, KY.
2011	"Vulnerability and Unforeseen Outcomes in a Heterogeneous Development and Environmental Rehabilitation Landscape." American Association of Geographers Annual Meeting, New York, NY.

TEACHING EXPERIENCE

Instructor

2017	Geocomputing (online), GIS Professional Master's Program, University of Wisconsin-Madison.
2007	Student Capstone Projects-Information Technology, Mekelle Institute of Technology, Mekelle, ET.
2007	Introduction to Computer Science, Mekelle Institute of Technology, Mekelle, ET.

PROFESSIONAL SERVICE

2025	Ladybird Johnson Wildflower Center, Research and education volunteer
2023-2024	City of Austin, Office of Sustainability, Food Planning Initiative, Food Production Impact Area Group, Member
2023-2024	Austin Independent School District, Environmental Sustainability Advisory Council, Member
2020	Reviewer, World Development Perspectives

2019	Reviewer, Student paper competition of the African Specialty Group of the American Association of Geographers
2018, 2014	Organizer, University of Wisconsin Alumni Gathering at the Annual Meeting of American Association of Geographers
2017, 2016	Reviewer, University of Wisconsin-Beijing Normal University Geography Exchange
2016	Presenter, Upper Midwest Nature-Society Graduate Student Workshop
2015, 2012	Coordinator, Human Environment Research Discussion Group (HERD)
2011	Organizer, Upper Midwest Nature-Society Graduate Student Workshop

PROFESSIONAL AFFLIATIONS

Member - American Association of Geographers

Member - American Geophysical Union

LANGUAGES

Amharic, novice (speaking)

Tigrinya, novice (speaking)

Spanish, novice (reading, writing, speaking)