

ELISABETH KAGO ILBOUDO NEBIE, PhD

School of Human Evolution and Social Change

Arizona State University

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EDUCATION

PhD in Anthropology 2018

University of North Carolina at Chapel Hill (UNC-CH)

Dissertation title: Documenting Farmer-Herder Livelihoods, Challenges and Adaptations in the Center-South Region of Burkina Faso.

Committee: Colin Thor West, Paul Leslie, Todd Crane, Emily Burrill and Charles Price

MA in Anthropology 2015

University of North Carolina at Chapel Hill (UNC-CH)

Thesis title: The Dynamics between Migration and Land Use and Land Cover Change in Burkina Faso: A Comparative Case Study.

Committee: Colin Thor West, Paul Leslie, and Charles Price

MA in International Development and Social Change 2013

Clark University, Worcester, MA

Practitioner report: Unequal Relationships: Examining Persistent Inequalities among Small-Scale Producers, Non-governmental Organizations (NGOs), Donors, and Buyers: Case of the NGO Aid to Artisans

Committee: Kiran Asher and Denise Bebbington

BA in International Public Relations 2010

Université Libre du Burkina Faso (BF), Ouagadougou

Thesis: La Diplomatie Climatique du Burkina Faso: Enjeux et Perspectives

Committee: Poussi Sawadogo and Hamidou Touré

RESEARCH INTERESTS

Environmental & Cultural Anthropology; Climate Adaptation; Water & Food Insecurity; Sustainable Development; GIS; Participatory research; West Africa

EMPLOYMENT

Assistant Professor Aug. 2021- Present

School of Human Evolution and Social Change (SHESC)/

Center for Global Discovery and Conservation Science (GDCCS)

Arizona State University, Tempe, Arizona

Researcher Jan.- Jul. 2021

Climate Resilient Food Systems (CRFS) Team

International Development Research Centre (IDRC), Ottawa, Canada

Earth Institute Postdoctoral Research Fellow 2018 - 2020

International Research Institute for Climate and Society (IRI) & Lamont Doherty Earth Observatory

Earth Institute, Columbia University, Palisades, New York, USA

Social Differentiation in Adaptive Capacity doctoral research fellow 2015 – 2017

Local Governance and Adapting to Climate Change in Sub-Saharan Africa (LGACC) project

International Livestock Research Institute (ILRI), Soudré-Est & World Agroforestry Center (ICRAF), Burkina Faso

Research Assistant 2013-14

“Climate, Population Density, and Remote Sensing: Identifying Social-ecological Hotspots” project

Colin Thor West – PI, Department of Anthropology, UNC-CH, Chapel Hill, NC

TEACHING EXPERIENCE

UNDERGRADUATE COURSES

ASB 300 Food and Culture (Arizona State University)
ASB 305 Poverty and Global Health (Arizona State University)
ASB 327 Disaster! (Arizona State University), in prep.
ASB 500 Ethnographic Field Methods (Arizona State University), in prep.
ASB 102 Introduction to Cultural Anthropology (Arizona State University) in prep.
ANTH 102 Introduction to Cultural Anthropology (UNC Chapel Hill)
ANTH 238 Human Ecology of Africa (UNC Chapel Hill)
ANTH 240 Action Research (UNC Chapel Hill)

NON-DEGREE PROGRAMS

Climate Negotiations (Climate School, Columbia University)
Gender Analysis in the Global South (NSF Cultural Anthropology Methods Program)
Spatial ethnography (NSF Cultural Anthropology Methods Program) in prep.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

2023

Under review

Quimby, B., Roque, A.D., **Ilboudo Nébié, E.K.**, Levine, A., Amaama, S.A., Wutich, A., Brewis, A., and Sameulu, L.E. (under review). Blue food sovereignty benefits social-ecological resilience: a case study of small-scale fisheries comanagement and mariculture in Samoa. *Human Ecology*. Revise & resubmit (minor revisions), Decision: July 5, 2022.

Published

Mauermann, M., C. Ross, **E. Ilboudo Nébié**, W. Anderson, N. Jensen, P. Chelanga. 2023. The Long-Term Impact of Multi-Season Droughts on Livestock Holdings and Pastoralist Decision-Making in Marsabit, Kenya. *Journal of Arid Environments* 211, 104928. <https://doi.org/10.1016/j.jaridenv.2022.104928>

2021

Giannini, A., **E.K. Ilboudo Nébié**, D. Ba, and O. Ndiaye. 2021. Livelihood Strategies Shape Vulnerability of Households' Food Security to Climate in Senegal. *Front. Clim.* 3:731036. <https://doi.org/10.3389/fclim.2021.731036>

Ilboudo Nébié, E. K., D. Ba, A. Giannini. 2021. Climate shocks and food security: who and where are the most vulnerable households in Senegal? *Global Food Security* 29: 100513. <https://doi.org/10.1016/j.gfs.2021.100513>

Ilboudo Nébié, E. K., C.T. West, T.A. Crane. 2021. Participatory Mapping with Herders in a Climate Adaptation Research Project. *Practicing Anthropology* 43(1): 25-29. <https://doi.org/10.17730/0888-4552.43.1.25>

West, C.T., **E.K. Ilboudo Nébié**, and A.J. Moody. 2021. Participatory mapping with high-resolution satellite imagery: a mixed method assessment of land degradation and rehabilitation in northern Burkina Faso. *Journal of Ecological Anthropology* 22(1), 1-19. <https://scholarcommons.usf.edu/jea/vol22/iss1/1>

Anderson, W., C. Taylor, S. McDermid, W. Schlenker, R. Seager, **E.K. Ilboudo Nébié**, F. Cottier, A. de Sherbinin, D. Mendeloff, K. Markey. 2021. Characterizing the effect of drought, conflict, and locusts on food security in Africa *Nature Food*.

Hernandez-Aguilera, J. N., W. Anderson, A.L. Bridges, M.P. Fernandez, W.D. Hansen, M.L. Maurer, **E.K. Ilboudo Nébié**, A. Stock. 2021. Supporting interdisciplinary careers for sustainability. *Nature Sustainability*, 4(5), 374-375.

2020

Ilboudo Nébié E. K., C.T. West, T.A. Crane. 2020. 'Where's the map?': integrating ethnography with maps to understand the complementarity between pastoral mobility and border formation. *Journal of Political Ecology* 27(1): 795-818. <https://doi.org/10.2458/v27i1.23152>

2019

Ilboudo Nébié, E., West, C. T. 2019. The dynamics between migration and land use and land cover change in Burkina Faso: A comparative case study. *Journal of Political Ecology* 26(1): 614-632. <https://doi.org/10.2458/v26i1.23070>

2017

West, C.T., A. Moody, **E.K. Nébié**, and O. Sanon. 2017. Ground-truthing Sahelian greening: Ethnographic and spatial evidence from Burkina Faso. *Human Ecology* 45(1):89-101. <https://doi.org/10.1007/s10745-016-9888-8>

Call, M., T. Mayer, S. Sellers, D. Ebanks, M. Bertalan, **E.K. Nébié**, and C. Gray. 2017. Socio-environmental drivers of forest change in Rural Uganda. *Land Use Policy* 62(2017): 49-58. <https://doi.org/10.1016/j.landusepol.2016.12.012>

2014

West, C.T., **E.K. Nébié**, and A. Somé. 2014. Famines are a thing of the past: Food insecurity trends in northern Burkina Faso. *Human Organization* 73(4):340–350. <https://doi.org/10.17730/humo.73.4.t6952215w6281m36>

BOOK CHAPTER

Ilboudo Nébié, E. 2020. Where are the Women? Gendered experiences of land resources management in the time of climate change in southern Burkina Faso. In Boyd L. and E. Burrill (eds.). *Legislating Gender and Sexuality*. Madison, WI: University of Wisconsin Press

SYNTHESIS REPORTS

Crane, T.A., **Nébié, E.**, Ng'ang'a, T. 2018. Social differentiation and climate change adaptation - synthesis report. LGACC Working Paper No. 2. Nairobi, Kenya: International Livestock Research Institute, 7pages. https://www.worldagroforestry.org/sites/agroforestry/files/2019-07/LGACC_Social%20Differentiation%20synthesis_WorkingPaper2_2019layout.pdf

Nébié, E. 2016. Exploring Three Climate Adaptation Strategies in the Pastoral Zone of Sondré-Est. LGACC Project Report No. 5. Nairobi, Kenya: International Livestock Research Institute, 35 pages. <http://apps.worldagroforestry.org/file/7886/download?token=4561DJEY>

POLICY BRIEF

Fuchs, L.E., Njuguna, L.W., Robinson, L.W., Zampaligré, N., Coulibaly, J., Crane, T., **Nébié, E.**, Ng'ang'a, T., Somé, B., Ontiri, E. 2018. Characterizing Local Adaptive Capacity at Various Scales: A Framework for Adaptation Planning. LGACC Policy Brief 2. Nairobi, Kenya: World Agroforestry Center.

PRESENTATIONS

INVITED INTER/NATIONAL COLLOQUIA, SYMPOSIA, SEMINAR, WORKSHOPS & INSTITUTES

- 2020 Earth Institute Postdoctoral Symposium, Columbia University, USA.
- 2020 International Research Institute for Climate and Society (IRI) Seminar, USA.
- 2019 Workshop on transdisciplinary research on migration in West Africa, Columbia-NYU NSF project "Disentangling climate, food security and social factors as drivers of migration in and out of West Africa," Columbia University, USA.
- 2019 UNFCCC: Stocktaking meeting, Least Developed Countries Expert Group, Madagascar.
- 2018 International Research Institute for Climate and Society (IRI) Seminar, USA.
- 2018 Arctic Week Conference, Observatoire de Versailles Saint-Quentin-en-Yvelines, France.
- 2017 African studies Center Seminar Series, UNC Chapel Hill, USA.
- 2017 Anthropology department Food, Environment and Sustainability Speed Talks, UNC Chapel Hill
- 2017 UNESCO: "Savoirs des pasteurs peuls et savoirs scientifiques sur le temps et le climat: des convergences pour renforcer la résilience locale en Afrique de l'Ouest," Burkina Faso.
- 2017 UNESCO Climate Frontlines Program "Indigenous Knowledge and Weather and Climate Forecasting: Discussing Climate Change in Africa," Chad.
- 2015 UNESCO Climate Frontlines: Knowing our climate in Africa" _and "Resilience in a Time of Uncertainty: Indigenous Peoples and Climate Change," France.

PANEL, ROUNDTABLES & POSTERS

- 2021 Ilboudo Nébié, E.K, C. Roncoli, C. & H. Dicko. Managing Risk by Moving Herds: Global-Local Entanglements of Pastoral Mobility in the Sahel», Narratives of Displacement: Identity, Sense of Place, and Movement (Risk & Disaster TIG) panel. Society for Applied Anthropology Annual meeting. Panelist.
- 2020 Ilboudo Nébié, E.K. A roadmap to a reimagined food system in the Sahel of West Africa. Agricultural Model Intercomparison and Improvement Project (AgMIP). Moderator : Glenn Denning. Discussant.
- 2020 EarthX Women Conference (Earth Day celebrations), April 25, 2020, <https://vimeo.com/411838155> . Panelist.
- 2014 Ilboudo Nébié, EK. (2014) Food Insecurity Trends in Northern Burkina Faso: Data Analysis. Society for Applied Anthropology Annual meeting. Graduate student poster.

GUEST LECTURES

- 2022 Environmental Studies, New York University. Professor : Dr. Sonali McDermid
- 2021 Global Health, Columbia University. Professor: Dr. Anne Paxton
- 2021 School of International and Public Affairs. Profession: Dr. Glenn Denning
- 2019 Climate and Society Master's Program, Columbia University, New York, NY. Professor: Dr. Ben Orlove
- 2014 Anthropology department, UNC Chapel Hill. Professor: Dr. Arturo Escobar

HONORS AND AWARDS

2020 Research Award, International Development Research Center
2018 Polgar Award for Outstanding Applied Anthropology Work, Department of Anthropology, UNC-CH
2018 Wadsworth Dissertation Write-up Fellowship, Wenner Gren Foundation
2017 Dissertation Completion fellowship, Graduate School, UNC-CH
2016 Off-Campus Dissertation Research Award, Graduate School, UNC-CH
2016 Chancellor's Candidacy Award, Initiative for Minority Excellence, Graduate School, UNC-CH
2013-16 Wadsworth International Fellowship, Wenner-Gren
2013-15 International Peace Scholarship, PEO International
2014 Harriett Kupferer Travel award, Department of Anthropology, UNC-CH
2014 Cultural Anthropology Research Experience for Graduate Students, NSF
2013-14 UNC Doctoral Merit-Based Assistantship, Graduate School, UNC-CH
2011-13 Fulbright Junior Staff Development Program, US Department of State

INTERNATIONAL & NATIONAL – PROFESSIONAL SERVICE

REVIEW SERVICE

Academic journals

Climatic Change (2022)
Nature Food (2021)
Health Policy Open (2021)
Ecological Economics (2020)
Weather, Climate and Society (2019-2020)

Research grant programs

Climate Resilient Food Systems (CRFS) team member, International Development Research Center

Scholarship & awards programs

Mentoring and Justice, Equity, Diversity, and Inclusion (JEDI) Award Committee, Lamont-Doherty Earth Observatory, 2020
Fulbright Foreign Student Program, US Embassy, Burkina Faso 2016, 2017
Travel Award Committee, Senator, UNC-Chapel Hill Graduate Student Association, 2014-2015

Leadership programs

Young African Leadership Initiative/Mandela Washington Fellowship, US Department of State

Development projects

Friends of Burkina Faso Network, United States.

UNIVERSITY & SCHOOL SERVICE

Member role

2021-2023 Personnel committee, SHESC, Arizona State University
2021-2022 Hidden Curriculum Mentorship Group, SHESC
2020 Climate Mobility Network proposal writing committee, Columbia University
2020 Food Systems Network proposal writing committee, Columbia University
2020 Diversity, Equity and Inclusion (DE&I) Action Committee, IRI, Columbia University
2020 Agricultural Model Intercomparison and Improvement Project (AgMIP) planning committee
2019-2020 Earth Institute Postdoctoral Representative to Earth Institute Faculty, 2019-2020
2018 Lamont-Doherty Earth Observatory Open House volunteer, 2018
2014-2015 Senator, UNC-Chapel Hill Anthropology Graduate Student Association, 2014 – 2015

LEADERSHIP IN METHODS TRAINING

- 2021-Pr. NSF Cultural Anthropology Methods Program, Faculty, 2021 & 2022
2014-15 Geographic Information Systems (GIS) Consultant, Research Hub, Davis Library, UNC Chapel Hill

COMMUNITY SERVICE

Community-based research partnerships

- 2022 Urban Households Vulnerability to Food Insecurity, World Food Programme, Burkina Faso
2022 Burkina Faso site lead, Moral Economy of Water, Global Ethnohydrology Study, 2022
2021 *Disentangling climate, food security and social factors as drivers of migration in and out of West Africa* Project. Richard Seager & Alex de Sherbinin – PIs, Lamont Doherty Earth Observatory & Center for International Earth Science Information Network (CIESIN)
2018-2021 *Desertification or "re-greening"? Adaptation lessons learned in coping with late 20th century drought in West Africa* project, Alessandra Giannini – PI, International Research Institute for Climate and Society & Diaba Ba, World Food Programme, Senegal.
2016-2018 Doctoral fellow, Social Differentiation in Adaptive Capacity work package, Local Governance and Adapting to Climate Change in Sub-Saharan Africa (LGACC) project, International Livestock Research Institute & World Agroforestry Center (CGIAR centers)
2016-2018 Climate Adaptation Policy expert, Local and Indigenous Knowledge Systems (LINKS) project under Climate Frontlines Program, UNESCO.
2016-2018 Social Differentiation in Adaptive Capacity Research Consultant, International Livestock Research Institute (ILRI), Soudré-Est, Burkina Faso 2016-2018

Community development projects

Stakeholders workshop facilitator, *Stocktaking meeting on the work of the Least Developed Countries Expert Group*, UNFCCC, Madagascar, 2020

Monitoring & evaluation expert, *Improving Crop yields in Zoundwéogo Province project*, Friends of Burkina Faso (FBF) Network, Burkina Faso, 2016-2017

Business development intern, Aid to Artisans, Hartford, Connecticut, USA, 2012.

A Bilingual Journal Club for Healthcare Researchers in Centre Muraz, Bobo-Dioulasso (project co-lead)
United Nations Online Volunteer (translator & transcriber), 2011-2013

ASU CENTER AND INSTITUTE AFFILIATION

Center for Global Discovery and Conservation Science

PUBLIC SCIENCE COMMUNICATION

- 2021 State of the Planet: “Lisa Ilboudo Nébié : Studying Food Security, Environmental and Migration in West Africa,” <https://news.climate.columbia.edu/2021/02/11/elisabeth-ilboudo-nebie-spotlight/>
- 2020 What can Traditional Knowledge teach us about Climate Change? Rotary Club of Palisades
- The Atlantic: “A Pandemic Journey that Puts Odysseus to Shame,”
<https://www.theatlantic.com/science/archive/2020/08/an-arctic-scientists-dizzying-journey-home-during-the-coronavirus/615124/>
- RadioTV: “Land, Ernährung, Migration,” <http://www.radioafrika.net/2020/02/05/land-ernaehrung-migration/>
- The Conversation: “Burkina Faso study shows link between land degradation and migration,”

<https://theconversation.com/burkina-faso-study-shows-link-between-land-degradation-and-migration-130006>

2019

Columbia Magazine: “Helping Herders in Africa Adapt to Climate Change,”
<https://magazine.columbia.edu/article/helping-herders-africa-adapt-climate-change>

State of the Planet: “Mixing Science with Tradition Among Burkina Faso’s Migratory Herders,”
<https://blogs.ei.columbia.edu/2019/04/05/science-tradition-ful%CE%B2e-herders/>

LANGUAGES

French: Proficient; English: Proficient; Mooré: Native speaker

SOFTWARE USED

ArcGIS, ENVI, QGIS, MAXQDA

PROFESSIONAL MEMBERSHIPS

American Anthropological Association
Anthropology & Environment Society Section
Association for Africanist Anthropology Section

Society for Applied Anthropology
Political Ecology Society Section

USA-Burkina Faso Exchange Programs Alumni Association