

Leif V. Brottem, Ph.D.

Coordinated fieldwork activities with Nigerian partners in Adamawa State to strengthen local conflict resolution mechanisms through the development of a mobile geospatial toolkit. Funding provided by the U.S. Embassy in Nigeria.

Technical Consultant on Climate Change-Human Rights, Amnesty International
June 2021-November 2021

Designed surveys, carried out data collection, and authored expert report on climate change-local governance-human rights linkages in West Africa.

Technical Consultant on Climate Change-Extremist Violence, World Bank Group
July 2021-September 2021

Designed surveys, carried out data collection, and authored expert report on extremist violence in Mali for program on climate change-violent conflict dynamics.

Lead Researcher on Local Conflict Mediation Dynamics, Search for Common Ground
October 2019-June 2021

Managed and executed a comprehensive literature review of farmer-herder conflict in West and Central Africa and produced content modules for U.S. State Department project to establish a region-wide conflict mediation toolkit.

Lead Research Consultant on Forest Access and Local Grievances,

Responsible for instruction of five course per academic year, student advising, program management, faculty governance, and scholarly research activities.

Technical Consultant on Pastoralism and Land Governance, Tetra Tech International Development Services.
October 2019-June 2020

Provided regional and thematic expertise to knowledge product services and data collection tools for USAID-funded Integrated Land and Resource Governance (ILRG) Project.

Technical Consultant on Human Security and Rural Livelihoods, World Bank Independent Evaluation Group
June 2019-September 2019

Provided technical expertise to comprehensive assessment of Community Action Program (CAP) in the Republic of Niger.

Technical Consultant on Human Security and Rural Livelihoods, World Bank Independent Evaluation Group
July 2017-June 2018

Providing technical expertise to comprehensive assessment of Mali Rural Community Development Project (PACR) and Central African Republic Agriculture Recovery Project (PURCARA).

Guest Researcher, University of Paris-Descartes
January 2018-July 2018

Served as active member of the Population and Development Center (CEPED).

Technical advisor (voluntary), Rights and Resources Initiative
March 2016-June 2016

Contributed expert feedback for comprehensive assessment of national laws and women's forest resource rights.

Technical Consultant on Rural Livelihoods and Resource Governance, Tetra Tech International Development Services.
September 2012-April 2014

Designed field research methodology, provided technical support, and co-authored USAID climate change vulnerability assessment for Senegal, West Africa.

Technical Consultant on Human Security and Rural Livelihoods, World Bank Independent Evaluation Group
September 2012-December 2012

Contributed research and writing for West African portion of the comprehensive review of World Bank-financed forestry sector projects from 2001 to 2011.

Technical advisor (unpaid), Landesa
January 2010-August 2010

Provided expert input for various components of the Focus on Land in Africa Project.

Research Associate on Protected Areas and Rural Livelihoods, Conservation International
October 2006-November 2007

Developed an innovative methodology to measure the relative impacts of institutional reforms on forest management policy in Liberia. Project resulted in a peer-reviewed journal article.

Research Associate, Ecoagriculture Partners
June 2006-August 2007

Documented examples of sustainable agriculture in dryland West Africa. Participated in strategic development of a West Africa-based research program.

Natural Resource Conservation Agent, Peace Corps (Bénin, West Africa)
September 2002-November 2004

Designed and implemented a community-based agroforestry program. Responsibilities included: fundraising, budgetary management, and provision of technical support to 100+ participating farmers.

Globalization and Governance Program Officer, Nautilus Institute for Security and Sustainability
September 2000-June 2002

Researched and co-authored publications: *What Road Ahead? Scenarios for U.S.-China Relations* and *Beyond Good Deeds: Case Studies and a New Policy Agenda for Corporate Accountability*.

Natural Resource Policy Assistant, Office of the Governor of Alaska
January 1999-September 1999, June 2000-September 2000

Administered, coordinated, and monitored policy on issues ranging from forest and fisheries management to toxic waste cleanup.

Select Technical Reports and Policy Briefs

Pastoral livestock and biodiversity conservation in Central African forest landscapes: opportunities and obstacles to improved outcomes (2023), USAID Central Africa Forest and Biodiversity Support Activity (FABS)

Protected Areas and Pastoralists in West and Central Africa: Challenges and Opportunities in the 21st Century (2023), Protect Transhumance and Conservation at a Crossroads (TCC)

Benin's Approach to Fighting Jihadists is Fueling the Cycle of Violence (2023), World Politics Review

Jihad Takes Root in Northern Benin (2022), Armed Conflict Location & Event Data Project (ACLED)

The Growing Threat of Violent Extremism in Coastal West Africa (2022), African Center for Strategic Studies

The Growing Complexity of Farmer-Herder Conflict in West and Central Africa (2021), African Center for Strategic Studies

Climate change, pastoral resource access, and extremist group violence in the western Sahel: new data and insights from Mali, (2021), World Bank Group

Pastoralism and Conflict in the Sudano-Sahel: A Review of the Literature (2020), Search for Common Ground

Scholarly Publications

Brottem, L. (2021). Pastoral resource conflict in the context of Sudano-Sahelian security crises: a critical review of research. *African Security*. 13. 380-402. [February 2021]

Turner, M. D., T. Carney, L. Lawler, J. Reynolds, L. Kelly, M. S. Teague, and L. Brottem. (2021). Environmental rehabilitation and the vulnerability of the poor: The case of the Great Green Wall. *Land Use Policy* 11. 105750.

Brottem, L. (2019). Gendered livelihoods and land tenure: The case of artisanal gold miners in Mali, West Africa. *Geoforum*. 105. 54-62. [October 2019]

Brottem, L., Coulibaly, B. (2019). The Geography of the bottom billion: rural isolation and basic service access in the Republic of Mali. *European Journal of Development Studies*. 31, 1147-1170. [September 2019]

Brottem, L. (2018). Dig Your Own Well: a political ecology of rural inst

Fellowships and Awards

Co-Principal Investigator of U.S. Fish & Wildlife Service International Division-funded research initiative October 2018-June 2020, grant total: \$139,000

Project title: “Transhumance and conservation at a crossroads: comparative investigation across West and Central African landscapes of global biodiversity significance”.

Harris Memorial Research Fellowship, 2017-2018

Project title: “Fortress Europe and the Malian Diaspora: changing migration networks and their impacts on climate change vulnerability in communities of origin”.

National Science Foundation Dissertation Improvement Grant, Fall 2011

Project title: “Farmer-herder conflict, environmental change, and institutional response in Mali”.

University of Texas-Austin Climate Change and Conflict in Africa Pre-Doctoral Fellowship, 2011-2012 (declined)

University of Wisconsin-Madison Land Tenure Center Raymond Penn Scholarship, Spring 2011

Fulbright-IIE Fellowship, 2009-2010

West Africa Research Association Pre-dissertation Research Fellowship, Summer 2008

University of Wisconsin-Madison International Field Research Award, Summer 2008

University of Wisconsin-Madison Scott Kloeck-Jenson Fellowship, Summer 2008 (declined)

Doris Duke Conservation Fellowship, 2006-2007

Teaching

Instructor of Record:

Global Development Studies/Political Science 395: Geographies of the Bottom Billion. Fall 2023, Grinnell College.

Global Development Studies/Environmental Studies 295: Nine Billion People: Inquiry into Impacts and Opportunities, Spring 2017-2019, Grinnell College

Social Studies 295: Applied Geographic Information Systems (GIS) Analysis, Spring 2015-2022, Grinnell College

GDS 395: Development in sub-Saharan Africa: Policies, Institutions, and Actors, Fall 2014, Fall 2016, Grinnell College

GDS/ENV 261: Climate Change and Development: the Challenge of Adaptation, Spring 2016, Grinnell College

GDS 111: Introduction to Global Development Studies, 2014-2023, Grinnell College

SST 125: Geographical Analysis and Cartography, 2014-2023, Grinnell College

GEO 379: Introduction to Geographic Information Systems (GIS), Spring 2012, Lecturer, University of Wisconsin-Madison

GEO 339: Environmental Conservation, Summer 2009, Lecturer, University of Wisconsin-Madison

IES 402: Walking the Talk: Grassroots Environmental Action, Spring 2007, Lecturer, University of Wisconsin-Madison

Teaching Assistant:

IS 101: Introduction to International Studies, Fall 2012, University of Wisconsin-Madison

IS 320: Cross-Cultural Encounters Abroad, Summer 2011, University of Wisconsin-Madison (online)

GEO 339: Environmental Conservation, Fall 2010, University of Wisconsin-Madison

GEO 101: Introduction to Human Geography, Fall 2008, University of Wisconsin-Madison

IES 112: Human Dimensions of Environmental Conservation, Spring 2007, University of Wisconsin-Madison

Association Memberships

Association of American Geographers (since 2007)

African Studies Association (since 2009)

West Africa Research Association (since 2008)

Languages

English (native), French (fluent), Bamanakan (conversational)

Selected Presentations

“Insecurity in the Sahel: Political or Environmental Crisis or Both?” presented to the University of Wisconsin-Madison African Studies Program, November 2021.

“Resource competition and farmer-herder conflict in the Republic of Benin: The context for escalation and extremism” presented to the Tetra Tech ARD Land Tenure and Property Rights Learning Series, June 2019.

