

MARK MORITZ

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EDUCATION

Ph.D. Anthropology, University of California, Los Angeles 2003
M.A. Anthropology, Leiden University, Netherlands 1995

ACADEMIC APPOINTMENTS

Associate Professor, 2013-present, Department of Anthropology, The Ohio State University

Associate Professor, 2013-present, Environmental Science Graduate Program, The Ohio State University

Courtesy Appointment, 2013-present, Department of Linguistics, The Ohio State University

RESEARCH INTERESTS

Pastoral systems, management of common-pool resources, coupled human and natural systems, complex adaptive systems, regime shifts, ecology of infectious diseases, herder-farmer conflicts, pastoral development, political ecology.

JOURNAL ARTICLES

Moritz, Mark, Sara Handa, Yu-Jen Chen, Ningchuan Xiao. 2015. Herding Contracts and Pastoral Mobility in the Far North Region of Cameroon. *Human Ecology*. 43(1):xx-xxx.

Healy Profitós, Jessica, Arabi Mouhaman, Seungjun Lee, Rebecca Garabed, Mark Moritz, Barbara Piperata, Joe Tien, Michael Bisesi, Jiyoung Lee. 2014. Muddying the Waters: A New Area of Concern for Drinking Water Contamination in Developing Countries. *International Journal of Environmental Research and Public Health*. 11:12454-12472.

Carothers, Courtney, Mark Moritz, Rebecca Zarger. 2014. Introduction: Conceptual, Methodological, Practical, and Ethical Challenges in Studying and Applying Indigenous Knowledge. *Ecology and Society*. 19(4):3.

Ludi, A., Z. Ahmed, L. W. Pomeroy, S. Pauszek, G. Smoliga, M. Moritz, S. Dickmu, S. Abdoukadi, J. Arzt, R. Garabed, L. Rodriguez. 2014. Serotype Diversity of Foot-and-Mouth-Disease Virus in Livestock Without History of Vaccination in the Far North Region of Cameroon. *Transboundary and Emerging Diseases*. doi:10.1111/tbed.12227.

Moritz, Mark, Ian M. Hamilton, Paul Scholte, Yu-Jen Chen. 2014. Ideal Free Distributions of Mobile Pastoralists within Multiple Seasonal Grazing Areas. *Rangeland Ecology & Management*. 67(6):641-649.

Moritz, Mark, Ian M. Hamilton, Yu-Jen Chen, Paul Scholte. 2014. Mobile pastoralists in the Logone Floodplain distribute themselves in an Ideal Free Distribution. *Current Anthropology*. 55(1):115-122.

Mark Moritz, Larissa Bebis, Albert K. Drent, Saïdou Kari, Arabi Mouhaman, Paul Scholte. 2013. Rangeland Governance in an Open System: Protecting Transhumance Corridors in the Far North Province of Cameroon. *Pastoralism: Research, Policy and Practice*. 3(26) DOI: 10.1186/10.1186/2041-7136-3-26.

Sayre, Nathan F., Ryan R. J. McAllister, Brandon T. Bestelmeyer, Mark Moritz, Matthew D. Turner. 2013. Earth Stewardship on Rangelands: Coping with Ecological, Economic, and Political Marginality. *Frontiers in Ecology and the Environment*. 11(7): 348–354.

Moritz, Mark, Paul Scholte, Ian M. Hamilton, Saïdou Kari. 2013. Open Access, Open Systems: Pastoral Management of Common-Pool Resources in the Chad Basin. *Human Ecology*. 41(3):351–365.

Moritz, Mark. 2013. Livestock Transfers, Risk Management, and Human Careers in a West African Pastoral System. *Human Ecology*. 41(2):205-219.

Healy Profitós, Jessica, Mark Moritz, Rebecca B. Garabed. 2013. What to do with chronically sick animals? Pastoralists' Management Strategies in the Far North Region of Cameroon. *Pastoralism: Research, Policy and Practice* 3:8.

Moritz, Mark, Daniel Ewing, Rebecca B. Garabed. 2013. On Not Knowing Zoonotic Diseases: Pastoralists' Ethnoveterinary Knowledge in the Far North Region of Cameroon. *Human Organization*. 72(1):1-11.

Moritz, Mark, Zachary Galehouse, Qian Hao, Rebecca Garabed. 2012. Can One Animal Represent an Entire Herd? Modeling Pastoral Mobility using GPS/GIS Technology. *Human Ecology*. 40(4):623-630.

- Moritz, Mark. 2012. Pastoral Intensification in West Africa: Implications for Sustainability. *Journal of the Royal Anthropological Institute*. 18(2):418-438.
- Moritz, Mark and Paul Scholte. 2011. Ethical Predicaments: Advocating security for mobile pastoralists in weak states. *Anthropology Today*. 27(3):12-17.
- Moritz, Mark, Julia Giblin, Miranda Ciccone, Andrea Davis, Jesse Fuhrman, Masoumeh Kimiaie, Stephanie Madzsar, Kyle Olson, Matthew Senn. 2011. Social Risk Management Strategies in Pastoral Systems: A Qualitative Comparative Analysis. *Cross-Cultural Research* 45(3):286-317.
- Moritz, Mark, Kristen K. Ritchey, Saïdou Kari. 2011. The Social Context of Herding Contracts in the Far North Region of Cameroon. *Journal of Modern African Studies* 49(2):263-285.
- Jung, Hahn Chul, Doug Alsdorf, Mark Moritz, Hyongki Lee, Sara Vassolo. 2011. Analysis of the relationship between flooding area and water height in the Logone floodplain. *Physics and Chemistry of the Earth* 36(7-8):232-240.
- Moritz, Mark, Eric Soma, Paul Scholte, Ningchuan Xiao, Todd Juran, Leah Taylor, Saïdou Kari. 2010. An Integrated Approach to Modeling Grazing Pressure in Pastoral Systems: The Case of the Logone Floodplain (Cameroon). *Human Ecology* 38(6):775-789.
- Moritz, Mark. 2010. Understanding Herder-Farmer Conflicts in West Africa: Outline of an Analytical Approach. *Human Organization* 69(2):138-148.
- Moritz, Mark. 2010. Crop-livestock interactions in agricultural and pastoral systems in West Africa. *Agriculture and Human Values*. 27(2):119-128.
- Moritz, Mark, Britney Kyle, Kevin C. Nolan, Steve Patrick, Marnie F. Shaffer, Gayatri Thampy. 2009. Too Many people and Too Few Livestock in West Africa? An Evaluation of Sandford's Thesis. *Journal of Development Studies* 45(7):1-21.
- Moritz, Mark. 2008. A critical examination of honor cultures and herding societies in Africa. *African Studies Review* 51(2):99-117.
- Moritz, Mark. 2008. Competing paradigms in pastoral development? A perspective from the Far North of Cameroon. *World Development* 36(11):2243-2254.
- Moritz, Mark. 2006. The Politics of Permanent Conflict: Farmer-Herder Conflicts in the Far North of Cameroon. *Canadian Journal of African Studies* 40(1):101-126.
- Moritz, Mark. 2006. Changing Contexts and Dynamics of Farmer-Herder Conflicts across West Africa. *Canadian Journal of African Studies* 40(1):1-40.

Scholte, Paul, Saïdou Kari, Mark Moritz, and Herbert Prins. 2006. Pastoralists' Responses to Floodplain Rehabilitation in Northern Cameroon. *Human Ecology* 34(1):27-51.

Moritz, Mark. 2005. FulBe Pastoralists and the Neo-Patrimonial State in the Chad Basin. *Geography Research Forum*. 25:83-104.

Iacoboni, Marco, Matthew D. Lieberman, Barbara J. Knowlton, Istvan Molnar-Szakacs, Mark Moritz, C. Jason Throop, and Alan Page Fiske. 2004. Watching social interactions produces dorsomedial prefrontal and medial parietal BOLD fMRI signal increases compared to a resting baseline. *NeuroImage* 21:1167-1173.

Moritz, Mark, Paul Scholte, and Saïdou Kari. 2002. The demise of the nomadic contract: arrangements and rangelands under pressure in the Far North of Cameroon. *Nomadic Peoples* 6(1):124-143.

PAPERS UNDER REVIEW OR IN PREPARATION

Vougat, Ngom Ronald, Tiédja Tomdieu, Ziébé Roland, Foyet Harquin, Mark Moritz, Vondou Lazare, Dwayne E. Schrunck, Paula M. Imerman, Wilson K. Rumbelha, Rebecca Garabed. Under Review. Quality and use of veterinary pharmaceuticals by cattle farmers in the Far North Region of Cameroon. Submitted to *Tropicultura*.

Jasper van Vliet, Peter H. Verburg, Nick Magliocca, Erle C. Ellis, Bianka Buchner, Elizabeth Cook, José M. Rey Beneyas, Andreas Heinemann, Eric Keys, Tien Ming Lee, Jianguo Liu, Ole Mertz, Patrick Meyfroidt, Mark Moritz, Brian E. Robinson, Ralf Seppelt. Under review. Meta-studies in land system science. Submitted to *Ambio*.

Mark Moritz, Ian M. Hamilton, Andrew J. Yoak, Paul Scholte, Jeff Cronley, Paul Maddock, Hongyang Pi. Under review. Simple Movement Rules result in Ideal Free Distribution of Mobile Pastoralists. Submitted to *Ecological Modelling*.

Ningchuan Xiao, Shanshan Cai, Mark Moritz, Rebecca Garabed, Laura Pomeroy. Under review. Spatial and temporal characteristics of pastoral mobility in the Far North Region, Cameroon: Data analysis and modeling. Submitted to *PlosOne*.

Laura W. Pomeroy, Shweta Bansal, Michael Tildesley, Karla I. Moreno Torres, Mark Moritz, Tim E. Carpenter, Ningchuan Xiao, Rebecca B. Garabed. In preparation. Parameterization and prediction of foot-and-mouth disease dynamics: a review.

Mohammad Reza Najafi, Michael Durand, Mark Moritz, Jeffrey Neal. In preparation. Large Scale Numerical Modeling of Flood Inundation Based on a Two-Dimensional Sub-Grid Scale Approach. For submission to *Hydrological Processes*.

BOOK IN PREPARATION

Mark Moritz. In preparation. *Emergent Commons: How Pastoralists avoid a Tragedy of the Commons in West Africa*. Princeton Studies in Complexity Series. Princeton University Press.

CHAPTERS IN EDITED BOOKS

Moritz, Mark. 2015. FulBe Pastoralists and the Neo-Patrimonial State in the Chad Basin. *In The Ecology of Pastoralism*. N. Kardulias, ed. Boulder: University Press of Colorado. (This is a reprint of my 2005 paper in *Geography Research Forum*.)

Moritz, Mark, Larissa Bebis Catherine, Albert K. Drent, Saïdou Kari, Arabi Mouhaman, and Paul Scholte. 2014. Rangeland Governance in an Open System: Protecting Transhumance Corridors in the Far North Region of Cameroon. *In The Governance of Rangelands: Collective Action for Sustainable Pastoralism*, edited by P. M. Herrera, J. M. Davies and P. M. Baena. Pp. 168-180. London: Routledge. (This is a reprint of our 2013 paper in *Pastoralism*.)

Moritz, Mark. 2012. Individualization of Livestock Ownership in Fulbe Family Herds: The Effects of Pastoral Intensification and Islamic Renewal. *In Who owns the stock? Collective and multiple forms of property in animals*. A. Khazanov and G. Schlee, eds. Pp. 193-214. Oxford: Berghahn.

Moritz, Mark. 2010. Using wikis in anthropology courses. *In Strategies in Teaching Anthropology*, sixth edition. P. Rice, D. McCurdy and S. Lucas, eds. Upper Saddle River (NJ): Prentice Hall.

Moritz, Mark. 2008. Individualization of Livestock Ownership in Fulbe Family Herds: The Effects of Pastoral Intensification and Islamic Renewal in Northern Cameroon. *In Development in place: perspectives and challenges*. J. van Santen, ed. Pp. 158-189. Amsterdam: Aksant. (This is a preprint of my 2012 paper in the Khazanov and Schlee volume).

Moritz, Mark. 2006. Economic anthropology. *In International Encyclopedia of Economic Sociology*. M. Zafirovski and J. Beckert, eds. Pp. 170-172. London: Routledge.

Moritz, Mark. 2006. Traditional economies. *In International Encyclopedia of Economic Sociology*. M. Zafirovski and J. Beckert, eds. Pp. 677-679. London: Routledge.

Moritz, Mark. 2006. Potlatch. *In International Encyclopedia of Economic Sociology*. M. Zafirovski and J. Beckert, eds. Pp. 523-524. London: Routledge.

Moritz, Mark, and Leslie C. Moore. 2006. Mini conference with poster presentations. *In Strategies in Teaching Anthropology*, fourth edition. P. Rice and D. McCurdy, eds. Pp. 1-3. Upper Saddle River (NJ): Prentice Hall.

Loth, Paul, Mark Moritz, Roger Kouokam, Paul Scholte, and Saïdou Kari. 2004. The people of the floodplain. *In The return of the water*. P. Loth, ed. Pp. 53-67. Gland (Switzerland): IUCN.

Kouokam, Roger, Mark Moritz, Daniel Ngantou, and Paul Loth. 2004. Conflicts and conflict management in the Waza Logone Floodplain. *In The return of the water*. P. Loth, ed. Pp. 69-74. Gland (Switzerland): IUCN.

Braund, Richard, Paul Loth, Mark Moritz, Paul Scholte, Saïdou Kari, Daniel Ngantou, Roger Kouokam. 2004. The Waza Logone Project in action. *In The return of the water*. P. Loth, ed. Pp. 105-124. Gland (Switzerland): IUCN.

Moritz, Mark. 2003. Exchange Theory and Experimental Economics. *In Strategies in Teaching Anthropology*, third edition. P. Rice and D. McCurdy, eds. Pp. 101-104. Upper Saddle River (NJ): Prentice Hall.

Moritz, Mark, and Saïdou Kari. 2001. Is there a Future for Pastoralism in the Far North Province of Cameroon? In *Management of Fragile Ecosystems in the North of Cameroon: The Need for an Adaptive Approach*. Proceedings of an international conference, Maroua 13-16 November 2000. M. Ali, P. Loth, H. Bauer, and H. de Jongh, eds. Pp. 137-140. Maroua (Cameroon) & Leiden (Netherlands): CEDC & CML.

BOOK REVIEWS

Mark Moritz. 2014. Book review of "Pastoralism in Africa: Past, Present and Future" *Nomadic Peoples*. 18(2):171-173.

Mark Moritz. 2013. Book review of "Pastoralism and Development in Africa: Dynamic Change at the Margins" *Pastoralism: Research, Policy and Practice*. 3(1):19.

Mark Moritz. 2012. Book review of "Risk and Social Change in an African Rural Economy: Livelihoods in Pastoralist Communities" *Pastoralism: Research, Policy and Practice*. 2(1):24.

Moritz, Mark. 2009. Book review of special issue of *Journal des africanistes*. *Le lien au bétail*. sous la direction de Catherine Baroin et Jean Boutrais. *Mega-Chad Bulletin*:29-31.

Mark Beach, Nini Callan, Ben Kaufmann, Melissa Moch and Mark Moritz. 2006. Book review of "Unpopular Culture: The Rules of Complaint in a British Bank ". *Anthropology of Work Review* 27(2):25-26.

Moritz, Mark. 2006. Book review of Ecology, Colonialism and Cattle. *Journal of Peasant Studies* 33(3):560-563.

Moritz, Mark. 2006. Book review of four books on dryland husbandry in the Horn of Africa published by the Organization for Social Science Research in Eastern and Southern African. *African Studies Review* 49(3):71-73.

Moritz, Mark. 2006. Book review of "Managing mobility in African rangelands". *African Studies Review* 49(2):205-206.

CentTREAD Working Group. 2005. Book review of "Making Parks Work: Strategies for Preserving Tropical Nature". *Conservation Biology* 19(1): 279-281.

Moritz, Mark. 2004. Book review of "Fulbe Voices" and "Memoirs of a Mbororo". *African Studies Review* 47(2):151-154.

Moritz, Mark. 2003. Book review of "Que faire sans vétérinaire?" *Bulletin Méga-Tchad* (1):53.

BULLETINS AND REPORTS

Moritz, Mark. 2013. Teaching Ethnographic Research through a Collaborative Project. *Anthropology News* 54(11-12):11-12.

Mark Moritz, Michael Paolisso, Courtney Carothers, Sean Downey, Kathleen Galvin, Drew Gerkey, Steven Lansing, Terrence McCabe, Amber Wutich, Rebecca Zarger. 2013. Anthropologists at the All Scientists Meeting of the Long Term Ecological Research Network. *Anthropology News* online (March 1, 2013).

Mark Moritz, Michael Paolisso, Courtney Carothers, Sean Downey, Kathleen Galvin, Drew Gerkey, Steven Lansing, Terrence McCabe, Amber Wutich, Rebecca Zarger. 2012. Ecological Anthropologists at ASM to explore contributions to LTER. *LTER Network News* 25(3).

Moritz, Mark. 2011. Funding for interdisciplinary research. *Anthropology News* 52(8):5.

Moritz, Mark. 2009. Research in the Chad Basin at the Ohio State University. *Mega-Chad Bulletin*:45-49.

Moritz, Mark. 2009. Teaching Fieldwork Ethics through Instructor Experience. *Anthropology News* 50(6):33.

Moritz, Mark. 2008. Integrating Wikis in Anthropology Courses. *Anthropology News* 49(3):31.

Moritz, Mark, and Francis Tarla. 1999. Fulani Pastoralists' Perceptions and Perspectives on Rangelands and its Degradation in Northern Cameroon. *Mega-Chad Bulletin* (1&2):16.

Scholte, Paul, Saïdou Kari, and Mark Moritz. 1996. The Involvement of Nomadic and Transhumance Pastoralists in the Rehabilitation and Management of the Logone Flood Plain, North Cameroon. *IIED Drylands Programme Issues Paper* (66):1-21.

Moritz, Mark. 1994. A Harde is a Pasture where no Grass grows or Water Infiltrates: Pastoralists Perceptions of Pastures in North Cameroon. *Environment and development student report 35: Centre for Environmental Studies, Leiden University*.

Moritz, Mark. 1994. Yaake, yaayre wi'ete no yaayre: pastoralists' perceptions of and adaptation to rangeland degradation of the Logone floodplain, Waza Logone Project (IUCN).

RESEARCH GRANTS

Pending

National Science Foundation, 2015-2020

- EEID: Tracking zoonotic diarrheal disease transmission between microbiomes within household settings, Jiyoung Lee (PI), Rebecca Garabed, Mark Moritz, Barbara Piperata, Grzegorz Rempala (and with Mouhaman Arabi and Jessica Healy Profitós) (\$2,266,447)(submitted November 2014)

Awarded

National Science Foundation, 2014

- REG: Long-term Impacts of Large Scale Land Acquisitions: Assessing Livelihood Impacts on Households and Communities in Cameroon, with Elizabeth Gardiner (\$5,000).

National Science Foundation, 2014

- REU: Hunters and Wildlife Diseases in Ohio: Risk Perceptions and Practices, with Pallavi Orunganti and Rebecca Garabed (\$7,960).

Institute for Population Research Seed Grant, OSU, 2013-2014

- Migration and household water management practices: An interdisciplinary examination of cholera outbreaks in urban Cameroon, Mark Moritz (PI), Jiyoung Lee, Joe Tien, Barbara Piperata, Laura Pomeroy, Rebecca Garabed, Ningchuan Xiao, and Jessica Healy (\$18,310).

Behavioral Decision Making Initiative, OSU, 2013,

- Towards Zero-Waste at OSU: An Exploratory Study of Students' Decision-Making, Mark Moritz (PI), Devin Griglik, Mallory Ray, Jessica Moreland, and Susan Melsop (\$700).

National Science Foundation, 2013

- REG: Conceptualizations of Citizenship in the Contemporary Zongo, with Christopher Brown (BCS-0943294)(\$5,000).

National Science Foundation, 2012-2016

- CNH: Exploring social, ecological, and hydrological regime shifts in the Logone Floodplain, Cameroon, Mark Moritz (PI), Michael Durand, Ian Hamilton, Bryan Mark, Ningchuan Xiao (BCS-1211986) (\$1,475,000).

Environmental Science Network, OSU 2012

- Mitigating coastal vulnerability and sustainability of water resource, security and public health under the influence of climate change, Jiyoung Lee (PI), C.K. Shum, Michael Durand, J. Craig Jenkins, Jay Martin, Richard Moore, and Mark Moritz (\$50,000).

Columbus Zoo and Aquarium, 2012-2013

- Community Approach to Preventing Abortion in Livestock and Nondomestic Ruminants, Rebecca Garabed (PI), Mark Moritz, Barbara Wolfe (\$5,243).

OSU CARES seed grant, 2012-2013

- Community Approach to Preventing Abortion in Livestock and Nondomestic Ruminants, Rebecca Garabed (PI), William Shulaw, Mark Moritz (\$5,000).

National Science Foundation, 2012

- Workshop: Challenges in modeling the spatial and temporal dimensions of the ecology of infectious diseases, Ningchuan Xiao (PI), Rebecca Garabed, Song Liang, and Mark Moritz (DEB-1242202)(\$20,000).

Food Innovation Center (FIC), OSU, 2012-2014

- Livestock Production and Quality in Anthropogenic Floodplains, Mark Moritz (PI), David Barker, Rebecca Garabed, and Ningchuan Xiao (\$49,600)

National Science Foundation, 2012, with Jessica Healy and Rebecca Garabed

- REU: What to do with sick animals? A study of pastoralists' decision-making in the far north region of Cameroon, (DEB-1015908)(\$6,200).

National Science Foundation, 2010-2015

- Livestock Movements and Disease Epidemiology in the Chad Basin: Modeling Risks for Animals and Humans, Rebecca Garabed (PI), Song Liang, Mark Moritz, and Ningchuan Xiao (DEB-1015908)(\$2,370,821).

National Science Foundation, 2010

- REU: An Exploratory Study of Ethnomedical Systems of Mobile Pastoralists in the Far North Region of Cameroon, with Daniel Ewing (BCS-1032497) (\$4,000).

Initiative in Population Research Seed Grant, OSU, 2009-2010

- Livestock Movements and Disease Transmission in the Chad Basin: Modeling Risks for Animals and Humans, Mark Moritz (PI), Rebecca Garabed, Song Liang, Ningchuan Xiao (\$41,000).

Climate, Water, and Carbon Program, OSU, 2009

- Modeling Coupled Human and Natural Systems in the Chad Basin (\$45,602).

Public Health Preparedness for Infectious Diseases Seed Grant, OSU, 2009-2011,

- Pilot Study of Livestock Movements and Disease Epidemiology in the Chad Basin: Modeling Risks for Animals and Humans, Rebecca Garabed (PI), Song Liang, Mark Moritz, Ningchuan Xiao, Saïdou Kari (\$100,000).

National Science Foundation, 2009

- REU: Studying Emergent Complexity in the Classroom, with Eric Soma (BCS-0943294)(\$4,000).

National Science Foundation, 2008-2014

- CAREER: Pastoral Management of Open Access: The Emergence of a Complex Adaptive System, (BCS-0748594)(\$530,738).

Mershon Center Faculty Grant, The Ohio State University, 2008

- A Comparative Study of Herder-Farmer Conflicts Across West Africa (\$12,010).

National Geographic Society's Committee for Research and Exploration, 2007

- Managing Open Access: The Political Ecology of Pastoral Mobility. Mark Moritz (PI), Ian Hamilton, Saïdou Kari, Arabi Mouhaman, Paul Scholte (8306-07)(\$20,000).

College of Social and Behavioral Sciences Special Grant, OSU, 2007

- Managing Open Access: The Political Ecology of Pastoral Mobility, (with matching funds from the Department of Anthropology)(\$3,500).

Wenner-Gren Foundation for Anthropological Research Grant, 2000

- Dissertation research: The market and the moral economy of Fulani pastoralists in northern Cameroon (Gr. 6661)(\$18,000).

International Studies and Overseas Program, Fieldwork Grant, UCLA, 2000

- Dissertation research: The market and the moral economy of Fulani pastoralists in northern Cameroon (\$8,000).

National Science Foundation Dissertation Improvement Grant, 1999

- Dissertation research: The market and the moral economy of Fulani pastoralists in northern Cameroon (BCS-9910557)(\$12,000).

International Studies and Overseas Program, Fieldwork Grant, UCLA, 1998

- Pre-dissertation research in northern Cameroon (\$5,000).

Ford Foundation-ISOP Interdisciplinary Program, UCLA, 1999

- Pre-dissertation research in northern Cameroon (\$2,000).

James S. Coleman Pre-Dissertation Fieldwork Fellowship, UCLA, 1996

- Pre-dissertation research in northern Cameroon (\$4,200).

Ford Foundation-ISOP Interdisciplinary Program, UCLA, 1996

- Pre-dissertation research in northern Cameroon (\$950).

Research Grant Department of Anthropology, UCLA, 1996

- Pre-dissertation research in northern Cameroon (\$400).

Schimmel Schuurman-van Outeren Foundation grant, Netherlands, 1994

- MA research in northern Cameroon (2,000 Guilders).

STIR Grant, International Office, Leiden University, 1994

- MA research in northern Cameroon (1,200 Guilders).

OTHER GRANTS, FELLOWSHIPS, AND AWARDS

- Fellow-in-Residence Netherlands Institute for Advanced Study (NIAS), 2014-2015
- Library Course Enhancement Grant, OSU, 2013 (\$2,000).
- Library Course Enhancement Grant, OSU, 2011 (\$2,000).
- Honors course competition, OSU 2010 (\$15,000).
- Innovation Group Complexity in Human, Natural, and Engineered Systems for Office of Academic Affairs (with Virginia Folcik, Ian Hamilton, Keith Warren and David Woods), OSU 2009 (\$100,000 including matching funding from 4 colleges).
- Qualitative Inquiry Working Group, Institute for Collaborative Research and Public Humanities (with Candace Stout), OSU 2009 (\$10,000).
- SMART Seed program of TELR, OSU 2009.
- Library Course Enhancement Grant, OSU, 2008 (\$2,000).
- Dissertation Year Fellowship, UCLA, 2001.
- Ford Foundation-ISOP Grant for study of Fulfulde, UCLA, 1998.
- NSF Summer Institute for Research Design in Cultural Anthropology, 1998.
- Hortense Fishbaugh Memorial Fellowship, UCLA Affiliates Scholarship, 1997
- VSB Bank Fellowship, VSB Bank, Netherlands, 1995.
- Erasmus Grant for study at University College London, 1992.

CONFERENCES AND COLLOQUIA LEADERSHIP

Co-organizer (with Matthew Lauer) of invited session *Knowledge Boundaries: Conceptual and methodological challenges in studying indigenous knowledge* at American Anthropological Association 111th Annual Meeting, San Francisco, November 2012.

Co-organizer (with Julia Giblin) of invited session *Examining Traces of Human Mobility across Spatiotemporal Scales* at American Anthropological Association 110th Annual Meeting, Montreal (Canada), November 17, 2011.

Co-organizer (with Tobias Haller) of panel on *African Floodplains as Coupled Human and Natural Systems under Global Change* at African Studies Association 45th Annual Meeting, San Francisco, November 18-21, 2010.

Co-organizer (with Dave Kraybill, Andrew Keeler, and Kelechi Kalu) of *Workshop on Climate Change and Livelihoods in Sub-Saharan Africa* at the Ohio State University, May 15, 2009.

Organizer of panel *Changing Contexts of Herder-Farmer Conflicts: Fulbe Pastoralists Across West Africa* at African Studies Association 45th Annual Meeting, Washington D.C., December 5-8, 2002.

Co-organizer (with Carolyn Lesorogol) of panel *African pastoralism: culture, economy, and the individual in rapidly changing societies* at American Anthropological Association 101st Annual Meeting, New Orleans (LA), November 20-24, 2002.

Co-organizer (with Peter Geschiere, Rijk van Dijk, and Robert Ross) of conference *Citizenship and issues of autochthony in postcolonial Africa: changing modalities of exclusion and inclusion*, Leiden University, June 1998.

INVITED TALKS

Studying African Floodplains as Coupled Human and Natural Systems, (with Sarah Laborde, Michael Durand, Alfonso Fernandez Rivera, Ian Hamilton, Saïdou Kari, Bryan Mark, Sui Phang, Ningchuan Xiao, Roland Ziebe), Institut Montpelliérain de l'Eau et de l'Environnement, Séminaire MATHEO, Montpellier, France, 23 October 2014.

Emergent commons: Pastoralism as a Complex Adaptive System, Department of Anthropology at University of Florida, 5 May 2014.

Modeling Mobile Pastoralists, (with Hyeyoung Kim, Albert Drent, Ningchuan Xiao, and Rebecca Garabed), RAPIDD workshop at Stanford University, 28 April 2014.

Management of Open Access: Making Sense of a Complex Adaptive System, Department of Anthropology, University of Texas at San Antonio, 4 April 2014.

Open Access, Open Systems: Pastoral Management of Common-Pool Resources in the Chad Basin, Department of Anthropology at Stanford University, 31 January 2014.

Changes in rangeland use in West Africa, SESYNC Workshop: Globalizing our understanding of land use change drivers and impacts, Annapolis, MD, 3 June 2013.

Cooperation in a Complex Adaptive System: The case of Mobile Pastoralists in the Far North Region of Cameroon, NESCent Catalysis Meeting: Synthesizing evolutionary and social science approaches to human cooperation, Durham, NC, 6 April 2013.

Open Access, Open Systems: Pastoral management of common-pool resources in the Chad Basin, Department of Anthropology, Colorado State University, 1 March 2013.

Teaching in Collaborative Environments, Learning Technologies in Medical Education at the Ohio State University Wexner Medical Center, December 19, 2012.

Water and Insecurity in sub-Saharan Africa: An Anthropological Approach, Conference on Water and Security in Africa: Past, Present and Future organized by the U.S. Department of State, July 22, 2011.

Open Access, Open Systems: Pastoral management of common-pool resources in the Chad Basin, Ecology Seminar Series of the Curriculum for the Environment and Ecology, University of North Carolina, Chapel Hill, 14 April 2011.

Mapping Invisible Pastoralists: Some Reflections on the use of GPS/GIS, Engineers Without Borders (EWB) at the Ohio State University, 17 February 2011.

Livestock Exchanges and Risk Management in Pastoral Systems, Methods of Analysis Program in the Social Sciences (MAPSS) Colloquium, Stanford University, 4 February 2011.

Open access, open systems: theoretical and policy implications, Department of Anthropology, University of Cincinnati, 20 May 2010.

Open access, open systems: implications for pastoral development, Glen School Seminar Series, The Ohio State University, 5 May 2010.

Gestion du pâturage dans la région de l'Extrême Nord du Cameroun, Maroua University, Cameroon, 24 March 2010.

Complex Systems in Anthropological Research, IPR Complex Systems Working Group, OSU, 29 January 2010.

Fieldwork in Multiple Communities: A Long-Term Perspective, the Cross-Disciplinary Fieldwork Workshop, OSU, 9 May 2009.

Integrating wikis in anthropology courses, TELR's five minutes of fame, OSU, 24 April 2009.

Integrating wikis in anthropology courses, Teaching 2.0 Symposium: Using Collaborative Tools in the Classroom, OSU, 5 December 2008.

The political ecology of pastoral mobility, Institute of Environmental Sciences, Leiden University, 28 April 2006.

The organization of pastoral FulBe in a FulBe hegemony: Cases from northern Cameroon, workshop Strategies of inclusion/exclusion and political representation among pastoral Fulbe across Africa, Max Planck Institute for Social Anthropology, Halle (Germany), 2-4 October 2005.

The politics of permanent conflict: Herder-farmer conflicts in the Far North of Cameroon, Center for African Studies, Stanford University, 19 May 2004

FulBe Family Herds: The Transformation of an African Pastoral Society, James S. Coleman African Studies Center, UCLA, 17 January 2003.

Individual livestock ownership in Fulbe family herds: The effects of intensification and Islam on pastoral production systems in the Far North of Cameroon, Workshop Collective and multiple forms of property in land and animals, Max Planck Institute for Social Anthropology, Halle (Germany), 19-21 August 2002.

PAPERS PRESENTED

Regime Shifts and Runaway Processes in a Coupled Human and Natural System, Mark Moritz, Sarah Laborde, Mouazamou Ahmadou, Michael Durand, Ian Hamilton, Saïdou Kari, Bryan Mark, Mohammad Reza Najafi, Sui Phang, Ningchuan Xiao, Roland Ziehe, poster presented at ICREA Conference on Small-Scale Societies and Environmental Transformations: Co-evolutionary Dynamics in Barcelona, Spain, December 17th, 2014

Producing a "Coupled Human and Natural System" (CHANS): From NSF Program Guidelines to an Interdisciplinary Lab, and the Field, Sarah Laborde and Mark Moritz, Annual Meeting of the American Anthropological Association, Washington DC, December 4th, 2014

Building Models of Coupled Human and Natural Systems, Albert Klaas Drent, Mark Moritz, and Mouazamou Ahmadou, Annual Meeting of the American Anthropological Association, Washington DC, December 7th, 2014

Modeling Regime Shifts in the Logone Floodplain, Cameroon, Saïdou Kari, Michael Durand, Ian Hamilton, Sarah Laborde, Bryan Mark, Sui Phang, Ningchuan Xiao, Roland Ziehe, Mark Moritz, International Conference on *Contemporary Evolution of African Floodplains and Deltas*, in Dar es Salaam, Tanzania, May 27th, 2014.

Open Access, Open Systems: Pastoral Systems At Multiple Spatiotemporal Scales, Annual Meeting of the American Anthropological Association, Chicago, November 23rd, 2013.

Open Access, Open Systems: Pastoral Management of Common-Pool Resources in the Chad Basin, Complexity Reading Group at the Ohio State University, April 11th, 2013.

Open Access, Open Systems: Implications for Pastoral Management of Common-Pool Resources, Annual Meeting of the Society for Applied Anthropology, Denver, Colorado, March 21st 2013.

Studying the human dimensions of the ecology of infectious diseases (with co-authors Daniel Ewing, Jessica Healy and Rebecca Garabed), Institute for Population Research (IPR) seminar at the Ohio State University, January 15th 2013.

Mapping invisible pastoralists: some reflections on the use of GPS/GIS technology, Annual Meeting of the American Anthropological Association, San Francisco, November 16th, 2012.

On not knowing zoonotic diseases Daniel Ewing, Mark Moritz, Rebecca Garabed, Annual Meeting of the American Anthropological Association, San Francisco, November 15th, 2012.

Management of Open Access: Evidence from the Logone Floodplain, Cameroon, ESGP seminar at the Ohio State University, September 28th, 2012.

Management of Open Access: Evidence from the Logone Floodplain, Cameroon, Panel on Anthropological Sciences, Ecology, and Environment at the All Scientists Meeting (ASM) of the Long Term Ecological Research (LTER) Program, September 12th, 2012.

Documenting livestock movements in the Far North Region of Cameroon. Moritz, M., Garabed, R., Moreno-Torres, K., Chen, Y.-J., Xiao, N., Healy, J. and Pomeroy, L. poster presented at the ISVEE Conference, Maastricht, Netherlands, August 19-24, 2012.

Preliminary investigation into the epidemiology of endemic foot-and-mouth disease in cattle in the Far North, Cameroon. Garabed, R., Dickmu, S., Moritz, M., Saïdou Kari, Ahmed, Z. and Rodriguez, L. poster presented at the ISVEE Conference, Maastricht, Netherlands, August 19-24, 2012.

Dispersal of animal products and waste from traditional abattoirs in the Far North region of Cameroon. Afnabi, A.B., Garabed, R., Moritz, M., Agnem, E.C., Essia Ngang, J.J. and Alambedji, R.B. poster presented at the ISVEE Conference, Maastricht, Netherlands, August 19-24, 2012.

Modeling endemic foot-and-mouth disease virus transmission in Cameroon. Pomeroy, L.W., Kari, S., Dickmu, S., Moritz, M., Xiao, N., Liang, S. and Garabed, R.B. poster presented at the ISVEE Conference, Maastricht, Netherlands, August 19-24, 2012.

Documenting Livestock Movements in the Far North Region of Cameroon (with Mouhaman Arabi, Yu-Jen Chen, Rebecca Garabed, Jessica Healy, Saïdou Kari, Karla Moreno-Torres, Laura Pomeroy, and Ningchuan Xiao) poster presented at the annual NSF EEID PI meeting, March 26th, 2012.

The Dynamics of Foot-and-Mouth Disease in an Endemic Setting (with Rebecca Garabed, Mark Moritz, Saïdou Kari, Ningchuan Xiao, Song Liang, Laura Pomeroy, Zaheer Ahmed, Luis Rodriguez) poster presented at the annual NSF EEID PI meeting, March 26th, 2012.

The Ecology of Infectious Diseases in Cameroon: Educational Activities (with Rebecca Garabed, Mark Moritz, Song Liang, Ningchuan Xiao, Mouhaman Arabi, Saïdou Kari, Darman Djoulde, Dina Taiwe Kolyang, Mamoudou Abdoulmoumini) poster presented at the annual NSF EEID PI meeting, March 26th, 2012.

Flood inundation mapping in the Logone floodplain from multi temporal Landsat ETM+ imagery (with Hahn Chul Jung, Douglas E. Alsdorf, Hyongki Lee, and Sara Vassolo), Fall Meeting of the American Geophysical Union, December 5th, 2011.

Anthropological Understandings of Livestock Exchanges and Risk Management, Annual Meeting of the American Anthropological Association, Montreal, November 18th, 2011.

Understanding the spatiotemporal characteristics of livestock movement networks in the Far North Region of Cameroon using an agent-based model (with Ningchuan Xiao), Annual Meeting of the American Association of Geographers, April 15th, 2011.

Pastoral management of open access in the Logone floodplain, Cameroon, Annual Meeting of the African Studies Association, November 20th, 2010.

Towards a Theory of Management of Open Access, North American meeting of the International Association for the Study of the Commons (IASC), Arizona State University, October 2nd, 2010.

Livestock Movements and Disease Epidemiology in the Chad Basin (with co-authors Saïdou Kari, Rebecca Garabed, Song Liang, Ningchuan Xiao, and Laura Pomeroy), XIV Colloque Mega-Tchad L'Homme et la Santé dans le bassin du lac Tchad at Bayreuth University, Germany, April 15th, 2010.

Modeling Grazing Pressure in a Mobile Pastoral System in West Africa (with co-authors Eric Soma, Ningchuan Xiao, Saïdou Kari), Annual Meeting of the American Association of Geographers, April 14th, 2010.

Hired Herder Livelihoods in the Far North Region of Cameroon (with co-author Kristen Ritchey), Annual Meeting of the Society for Applied Anthropology, March 25th, 2010.

Livestock Movements and Disease Epidemiology in Chad Basin: Modeling Risks for Animals and Humans (with co-authors Rebecca Garabed, Song Liang, Ningchuan Xiao, and Laura Pomeroy), Geography and Health Working Group, the Ohio State University, November 24th 2009.

Wikis and writing in the disciplines (with co-author Christopher Manion), Digital Media in a Social World conference, the Ohio State University, February 20th 2009.

Mapping mobile pastoralists in the Logone floodplain, Cameroon (with co-authors Saïdou Kari, Mouhaman Arabi, Kate Victor, and Luciano Landaburu) Poster for Annual Meeting of the American Anthropological Association, San Francisco, November 21st, 2008.

Mapping Pastoralists in the Logone Floodplain, Cameroon, Department of Anthropology Brown Bag Lecture Series, The Ohio State University, April 30th 2008.

Gestion de Ressources Pastorales dans la Plaine du Logone, Cameroun, Ecole de Faune, Garoua, Cameroon, March 3rd, 2008.

An Alternative Model of Crop-Livestock Interactions in West Africa, Center for African Studies Brown Bag Lecture Series, The Ohio State University, January 25th 2008.

The Intensification of Pastoral Systems in West Africa, Annual Meeting of the American Anthropological Association, Washington D.C., November 29th 2007.

The Politics of Permanent Conflict: Studying Herder-Farmer Conflicts in West Africa Paper presented at the 104th Annual Meeting of the American Anthropological Association, Washington D.C., December 1st 2005.

Rural Development and Institutional Changes: The Transformation of Pastoral FulBe Households Poster for Annual Meeting of the American Anthropological Association, Chicago, November 20th 2003.

An actor-oriented approach to herder-farmer conflicts in the Far North of Cameroon, Annual Meeting of the African Studies Association, Washington D.C., December 7th 2002.

Re-examining the pastoral moral economy, Annual Meeting of the American Anthropological Association, New Orleans, November 22nd 2002.

Fulbe family herds: Intensification of pastoral systems, Islam, and the moral economy of pastoral Fulbe in the Far North of Cameroon Poster for Annual Meeting of the Society for Economic Anthropology, Toronto (Canada), April 20th 2002.

Is there a future for pastoralism in the Far North Province of Cameroon? (with co-author Saïdou Kari), Management of fragile ecosystems in the north of Cameroon: the need for an adaptive approach, CEDC Maroua (Cameroon), November 2000

Honor psychology and pastoral personality: an ecocultural analysis of herding routines and socialization into the culture of honor among nomadic Fulani in West Africa Berkeley-Stanford Center for African Studies Annual Spring Conference, Berkeley, April 2000.

Socialization into the culture of honor: the case of nomadic Fulani in West Africa Africa: past, present, and future - UCLA Graduate Conference in African Studies, Los Angeles, April 2000.

Het gebruik van antropologie bij het vaststellen van weidegrond degradatie in Noord Kameroen (The contribution of anthropology in the assessment of rangeland degradation in northern Cameroon), Eigenheid en Samenwerking: 100 jaar antropologie in Nederland (distinctiveness and cooperation: 100 years of

anthropology in the Netherlands), Antropologische beroepsvereniging Nederland CA/SNWS, Amsterdam, December 1998.

The demise of the nomadic contract: Arrangements and rangelands under pressure in northern Cameroon Citizenship and issues of autochthony in postcolonial Africa: changing modalities of exclusion and inclusion, Leiden University, June 1998.

Evolution of social strategies that deal with risk among pastoralists in northern Cameroon Poster presentation at CNWS School for Asian, African, and Amerindian Studies, Leiden University, November 1997.

Nomadic pastoralists, local resource management, and the failure of participatory approaches with co-authors Paul Scholte and Saïdou Kari, Colloque du Réseau Mèga-Tchad – L'homme et l'animal dans le bassin du Lac Tchad, Orleans (France), October 1997.

Pastures under pressure: pastoral planning in northern Cameroon 95th Annual Meeting American Anthropological Association, San Francisco, November 1996.

Perol, migration as flight: the marginalization of nomadic Fulani in northern Cameroon Berkeley-Stanford Center for African Studies Annual Conference, Berkeley, April 1996.

TEACHING

Courses taught at The Ohio State University, 2006-present

- 2202, H2202: Peoples and Cultures: Introduction to Cultural Anthropology
- 3418: Anthropology of Africa
- 3525: History of Anthropological Theory
- 5623: Cultural Ecology
- 5620: Hunter-Gatherers
- 5650, H4650: Research Design and Ethnographic Methods
- 8891.05: Research Design and Ethnographic Methods
- 8828: Writing Research Proposals in Anthropology

Courses taught at Western Oregon University, 2005-2006

- 213D: Language and Culture
- 214D: Physical Anthropology
- 216D: Cultural Anthropology
- 314D: Evolution of Human Societies
- 325D: Ethnographic Methods
- 326C: Ethnographic Writing
- 380D: Peoples and Cultures of Africa
- 390D: Pastoral Nomads
- 394D: Socialization and Development

Courses taught at the University of California, Santa Cruz, 2003-2004

80: Core Course – International and Global Perspectives

130A: Peoples and Cultures of Africa

130X: Pastoral Nomads

Courses taught at the University of California, Los Angeles, 1995-2003

7: Human Evolution (teaching assistant)

135B: Introduction to Psychological Anthropology (teaching assistant)

158P: Pastoral Nomads

Courses taught at Santa Monica College, 2002-2003

2: Cultural Anthropology

POSITIONS HELD

Assistant Professor, 2006-2013,

Department of Anthropology, The Ohio State University

Assistant Professor, 2009-2013

Environmental Science Graduate Program, The Ohio State University

Assistant Professor, 2005-2006

Department of Anthropology, Western Oregon University

Lecturer, 2003-2004

University of California, Santa Cruz

Lecturer, 2003

University of California, Los Angeles

Lecturer, 2002-2003

Santa Monica College, Santa Monica, California

PROFESSIONAL SERVICE

Reviewer of manuscripts for Africa (2003, 2010), African Studies Review (2004), American Anthropologist (2011 x 2), American Ethnologist (2010), Animal: An International Journal of Animal Bioscience (2014), Current Anthropology (2013), Ecological Modeling (2014), Environmental Modelling & Software (2011), Ethos (2005), European Journal of Development Research (2009), Geoforum (2003, 2010), Human Ecology (2005, 2009, 2012, 2013 x 2, 2014), Human Nature (2013), Human Organization (2014), Journal of Contemporary African Studies (August 2009), Journal of Cross-Cultural Gerontology (2007), Journal of Environmental Management (2012), Journal of Natural Resources Policy Research (2012), Journal

of Political Ecology (2005), Journal of the Royal Anthropological Institute (2012), Pastoralism: Research, Policy and Practice (2011, 2013, 2014), Kasarinlan: Philippine Journal of Third World Studies (2007), Landscape Ecology (2012), Landscape and Urban Planning (2012), Livestock Science (2010), Nomadic Peoples (2009, 2013), Rangeland Ecology & Management (2014), Society and Natural Resources (2003), Southern Rural Sociology (2009), World Development (2008, 2014).

Reviewer of book manuscripts for Oxford University Press (2013), Pearson Education (2006), Princeton University Press (2013), Rowan & Littlefield (2009), Sage publications (2009, 2010, 2011), Thompson Wadsworth (2006).

Editorial Board of the Journal *Pastoralism: research, policy and practice* (2013-present) and the journal *Human Ecology* (2014-present).

Reviewer of grant proposals for NSF Cultural Anthropology program at the National Science Foundation (2008 x 2, 2010, 2011, 2012, 2014); NSF International Research and Education: Planning Visits and Workshops (2010); NSF Geography and Spatial Sciences (GSS) program (2014); the Leverhulme Trust (UK)(2006, 2011); and the Swiss National Science Foundation (SNSF)(2014).

Panel member of the NSF Doctoral Dissertation Improvement Grants for Cultural Anthropology program (2009-2013) and the NSF Dynamics of Coupled Natural and Human Systems (CNH) program (2014).

Board member (2006-2009) and wiki administrator (2008-2012) of the *Society for Economic Anthropology* (SEA).

Senior Board Member (2014-present) of the *Anthropology and Environment Society*, a section of the American Anthropological Association (AAA).

Member of the Scientific Committee of the *Centre d'Appui a la Recherche et au Pastoralisme* (CARPA), Maroua, Cameroon (2006-present).

INSTITUTIONAL SERVICE

Ohio State University, 2006-present

Chair ESGP Graduate Studies Committee, 2013-2014

Chair GTA Committee, Department of Anthropology, 2013-2014

Member ESGP Graduate Studies Committee, 2012-2014

Member Mentoring Committee, Department of Anthropology, 2011-2014

Member Search Committee, Department of Anthropology, 2010-2013

Member Speakers Committee, Department of Anthropology, 2007-2014

Member GTA Committee, Department of Anthropology, 2009-2014

Member Technology Committee, Department of Anthropology, 2009-2014

Webmaster, Department of Anthropology, 2009-2014
GTA coordinator 202, 597.01, 597.02, Department of Anthropology, 2009-2014
Member ASC Undergraduate Study Abroad Scholarship committee, 2010-2013
Member ad hoc committee for strategic plan, Department of Anthropology, 2011
Member ad hoc committee TELR Expertise Grant, 2008
Member ad hoc committee SBS Diversity Fellowships, 2012-2014
Member of the advisory board for the African Studies Center, 2008-present

Western Oregon University, 2005-2006

Member of the Academic Infrastructure Committee
Member of the Social Science Symposium Committee
Founder of African Studies Committee
Faculty Advisor of the Western Oregon Anthropology Society (WOAS)
Organizer of weekly lab for anthropology majors (Communitas)

University of California at Los Angeles, 1996-1997

Student representative Departmental Admissions and Fellowship Committee

Leiden University, 1989-1995

Student representative executive committee, Department of Anthropology
Student representative educational committee, Department of Anthropology

LANGUAGES

Dutch	Native speaker
English	Fluent in speaking, listening, reading, and writing
French	Proficiency in speaking, listening, reading, and writing
Fulfulde	Intermediate communication skills

PROFESSIONAL AFFILIATIONS

American Anthropological Association (AAA)
 Anthropology and the Environment Section (A&E)
 Society for the Anthropological Sciences (SAS)
International Association for the Study of the Commons
Mega Chad Network
Political Ecology Society (PESO)
Society for Applied Anthropology (SfAA)