

LAURA VANG RASMUSSEN: Curriculum Vitae
International Forestry Resources and Institutions, University of Michigan
Dana Building, 440 Church Street, Ann Arbor, MI 48109
Email: lras muss@umich.edu
Born February 21, 1985. Danish Citizen

EDUCATION

2010-2013 **Ph.D.**, Dept. of Geosciences and Natural Resource Management, University of Copenhagen, Denmark
2007-2009 **M.Sc.**, Geography, University of Copenhagen, Denmark
2004-2007 **B.A.**, Geography, University of Copenhagen, Denmark

APPOINTMENTS

Academic positions

Since Jan 2015: **Postdoctoral fellow**, International Forestry Resources and Institutions (IFRI), University of Michigan
2013-15: **Postdoctoral fellow**, Dept. of Geosciences and Natural Resource Management, University of Copenhagen
2010-13: **Ph.D. candidate and teaching assistant**, Dept. of Geosciences and Natural Resource Management, University of Copenhagen
2007-09: **Scientific assistant**, Department of Geography, University of Copenhagen

Other relevant employments

2006-08: The Danish Forest and Nature Agency

HONORS AND AWARDS

2016 University of Michigan Postdoctoral studies travel award (€550)
2014 Winner of best Ph.D. dissertation (out of approx. 300 eligible doctorates), Faculty of Science, University of Copenhagen (~€3500)
2014 Winner of the Danish national competition Ph.D. Cup on best dissemination of Ph.D. results, organized by the national newspaper 'Information', the Lundbeck foundation and the Danish national Radio and Television

ACTIVE AND PREVIOUS GRANTS

2016-2017 **Natural Environment Research Council UK**. Landscapes in transition: synthesising knowledge on trade-offs between land use changes, ecosystem services and wellbeing. £200,000. Role: Co-I (PI: Prof. Adrian Martin, University of East Anglia)
2015 **Global Environmental Facility**. Indicators of sustainable commodity agriculture. \$15,000. Role: Co-PI with Prof. Arun Agrawal and Prof. Rosina Bierbaum, University of Michigan
2013-2016 **Natural Environment Research Council UK**. €800,000. Role: Co-I (PI: Prof. Thomas Sikor, University of East Anglia)
2013-2015 **The Danish Ministry of Foreign Affairs**. Knowledge based climate adaptation in West Africa. €3,600,000. University of Copenhagen share ~ €360,000. Role: Co-I (PI: Prof. Ole Mertz, University of Copenhagen and Jens Hesselbjerg, Danish Meteorological Institute)
2010-2013 **The Danish Ministry of Foreign Affairs**. A region wide assessment of land system resilience and climate robustness in the agricultural frontline of Sahel. €950,000. Role: Co-I (PI: Prof. Anette Reenberg, University of Copenhagen)

SKILLS

Languages Danish (native); English (fluently both written and verbal); French (good both written and verbal)
Software ArcGIS 10.0, SPSS 22.0, Qualtrics, QSR Nvivo 10, Stella

TEACHING AND SUPERVISION

2016 SESYNC certificate, 'Teaching Socio-Environmental Synthesis with Case Studies'

2014-2015 **Assistant Professor Pedagogical certificate**, University of Copenhagen

Courses taught at graduate level, University of Copenhagen:

2013 Climate Change – Causes, effects, limitations and adaptation. 19 students

Climate change – An interdisciplinary challenge. 25 students

2012 Land Use and Global Change (lead organizer). 26 students

2011 Climate Change, impacts, adaptation and mitigation. 43 students

Environment, Society & Development. 22 students

Human Geography Field course in Burkina Faso (including a 14-day field trip in Burkina Faso, lead organizer). 16 students

Courses taught at undergraduate level, University of Copenhagen:

2014 Human Geography Field course (including a seven-day field trip). 18 students

The global geography of food (lead organizer). 26 students

2012 Human Geography Field course (including a seven-day field trip). 21 students

2011 Globalization and spatial change in the Global South. 60 students.

2010 Globalization and spatial change in the Global South. 45 students.

Student advisees:

2014 Louise Rose. *Thesis title:* Climate change and climate smart agriculture in Vietnam

2013 Sarah P. Andersen. *Thesis title:* Adaptation to climate change in Mali

PUBLICATIONS

Citations: 215 (based on Google Scholar, December 2016). H-index: 10 (based on Google Scholar, December 2016)

Journal articles with peer review process

1. **Rasmussen, L.V.**, Kirchhoff, C., Lemos, M.C. (In press). Adaptation by Stealth: climate information use in the Great Lakes region across scales. *Climatic Change*
2. **Rasmussen, L.V.**, Bierbaum, R., Oldekop, J., Agrawal, A. (In press). Bridging the practitioner-researcher divide: Indicators to track environmental, economic, and sociocultural sustainability of agricultural commodity production. *Global Environmental Change*
3. Pasgaard, M., Dawson, N., **Rasmussen, L.V.**, Enghoff, M., Jensen, A. (In press). The research and practice of integrating conservation and development: Self-reflections by researchers on methodologies, objectives and influence. *Global Ecology and Conservation*
4. Mertz, O., Rasmussen*, K., **Rasmussen, L.V.** (2016) Weather and resource information as tools for dealing with farmer-pastoralist conflicts in the Sahel. *Earth System Dynamics* 7:1-8

5. **Rasmussen, L.V.**, Christensen, A.E., Danielsen, F., Dawson, N., Martin, A., Mertz, O., Sikor, T., Thongmanivong, S., Xaydongvanh, P. (2016). From food to pest: Conversion factors determine switches between ecosystem services and disservices. *Ambio* 1-11. doi:10.1007/s13280-016-0813-6
6. **Rasmussen, L.V.**, Mertz, O., Christensen, A.E., Danielsen, F., Dawson, N., Xaydongvanh, P. (2016): A combination of methods needed to assess the actual use of provisioning ecosystem services. *Ecosystem Services* 17: 75-86
7. **Rasmussen, L.V.** (2016): Teaching outside the comfort zone: An overstated problem? *Dansk Universitetspædagogisk Tidsskrift (Danish Journal of Teaching and Learning in Higher Education)* 11(21): 198-205
8. **Rasmussen, L.V.**, Mertz, O., Rasmussen, K. & Nieto, H. (2015): Improving how meteorological information is used by pastoralists through adequate communication tools. *Journal of Arid Environments* 121: 52-58
9. Rasmussen, K., D'haen, S., Fensholt, R., Fog, B., Horion, S., Nielsen, J.O., **Rasmussen, L.V.**, Reenberg, A. (2015): Environmental change in the Sahel: reconciling contrasting evidence and interpretations. *Regional Environmental Change*: 1-8. DOI 10.1007/s10113-015-0778-1
10. Rasmussen, K., Birch-Thomsen, T., Bruun, T.B., Elberling, B., Fold, N., Kistensen, S.B.P., Ouattara, O. & **Rasmussen, L.V.**, Togola, I. (2015): The sustainability of cassava-based bio-ethanol production in southern Mali. *Geografisk Tidsskrift - Danish Journal of Geography* 115(1): 14-26
11. **Rasmussen, L.V.** & Reenberg, A. (2015): Multiple Outcomes of cultivation in the Sahel: A call for a multifunctional view of farmers' incentives. *International Journal of Agricultural Sustainability* 12(3)
12. **Rasmussen, L.V.**, Mertz, O., Rasmussen, K. & Nieto, H. (2014): Weather, Climate, and Resource Information Should Meet the Needs of Sahelian Pastoralists. *Weather, Climate, and Society* (6): 482-494
13. **Rasmussen, L.V.** & Nielsen, J.Ø. (2014): Staying with the System: theoretical consistency and change in Danish geographical work on the Sahel. *Geografisk Tidsskrift - Danish Journal of Geography* 114(1):3-16
14. Kristensen, S.B.P., Birch-Thomsen, T., Rasmussen, K. & **Rasmussen, L.V.** (2014): Cassava as an energy crop: a case study of the potential for an expansion of cassava cultivation for bioethanol production in Southern Mali. *Renewable Energy* (66): 381-390
15. Rasmussen, K., Fensholt, R., Fog, B., **Rasmussen, L.V.**, Yanogo, I. (2014): Explaining NDVI trends in northern Burkina Faso. *Geografisk Tidsskrift - Danish Journal of Geography* 114(1): 17-24
16. Van Vliet, N., Reenberg, A. & **Rasmussen, L.V.** (2013): Scientific documentation of crop land changes in the Sahel: A half empty box of knowledge to support policy? *Journal of Arid Environments* 95: 1-13
17. **Rasmussen, L.V.**, Rasmussen, K., & Bruun, T.B. (2012): Impacts of Jatropha-based biodiesel production on above and below-ground carbon stocks: a case study from Mozambique. *Energy Policy* 51: 728-736.
18. **Rasmussen, L.V.**, Rasmussen, K., Birch-Thomsen, T., Kristensen, S.B.P. & Traoré, O. (2012): The effect of cassava-based bioethanol production on above-ground stocks: A case study from Southern Mali. *Energy Policy* 41: 575-583.
19. **Rasmussen, L.V.** & Reenberg, A. (2012): Land use rationales in desert fringe agriculture. *Applied Geography* 34: 595-605
20. **Rasmussen, L.V.**, Rasmussen, K., Reenberg, A. & Proud, S.R. (2012): A system dynamics approach to land use changes in agro-pastoral systems on the desert margins of Sahel. *Agricultural Systems* 107: 56-64.
21. **Rasmussen, L.V.** & Reenberg, A. (2012): Collapse and recovery in Sahelian agro-pastoral systems: Rethinking trajectories of change. *Ecology and Society* 17 (14).
22. Reenberg, A., **Rasmussen, L.V.** & Nielsen, J.Ø. (2012): Causal relations and land use transformation in the Sahel: Conceptual lenses for processes, temporal totality and inertia. *Geografisk Tidsskrift - Danish Journal of Geography* 112 (2): 159-173
23. Sejersen, F., Hastrup, K., Brooks, N., Widgren, M., **Rasmussen, L.V.** & Borg, M. (2012): Environmental history and the understanding of causal relations. *Geografisk Tidsskrift - Danish Journal of Geography* 112(2):203-205
24. Proud, S.R., Fensholt, R., **Rasmussen, L.V.** & Sandholt, I. (2011): Rapid response flood detection using the

MSG geostationary satellite. *International Journal of Applied Earth Observation and Geoinformation* 13(4): 536-544

25. Proud, S.R., **Rasmussen & L.V.** (2011): The influence of seasonal rainfall upon Sahel vegetation. *Remote Sensing letters* (3): 241-249

*K. Rasmussen is not a relative of L.V. Rasmussen

Peer reviewed book chapters

Olwig, M.F. & **Rasmussen, L.V.** (2015). West African Waterworlds: Narratives of Absence versus Narratives of Excess. In: *Waterworlds. Anthropology in Fluid Environments*. Edited by Hastrup, K. and Hastrup, F. Berghahn Books, New York. P. 111-128.

Rasmussen, L.V. (2014): Landscapes of Droughts and Floods on the Desert Margins. In: *Living with Environmental Change: Waterworlds*. ed. K. Hastrup and C. Rubow. Routledge, New York. P. 186-190.

Rasmussen, L.V. (2014): Slow Versus Fast Changes in Sahelian Land Use Systems. In: *Living with Environmental Change: Waterworlds*. ed. K. Hastrup and C. Rubow. Routledge, New York. P. 264-268.

Rasmussen, L.V. (2014): Unpredictable Side Effects of New Technologies. In: *Living with Environmental Change: Waterworlds*. ed. K. Hastrup and C. Rubow. Routledge, New York. P. 126-130.

Rasmussen, L.V. (2014): Water Quantity Vs Water Quality. In: *Living with Environmental Change: Waterworlds*. ed. K. Hastrup and C. Rubow. Routledge, New York. P. 76-80.

PROFESSIONAL SERVICE

Committees

University of Michigan Postdoc Association – Board member (since Jan 2016)

Forest & Livelihoods: Assessment, Research and Engagement (FLARE) - Coordination committee (since 2015)

Manuscript reviewer

Ecology and Society; Journal of Arid Environments; Applied Geography; Environment, Development and Sustainability; Sustainability; Climate Change; Journal of Land Use Science; Weather, Climate, and Society; Environmental Conservation; Journal of Development Studies; World Development; Climate and Development; Biomass & Bioenergy; Conservation Letters; Forest, Policy and Economics; World Development Perspectives

Proposal reviewer

National Science Foundation (NSF), US, Geography and Spatial Sciences Program

Conference review activities

Forests & Livelihoods: Assessment, Research, Engagement (FLARE) annual meeting 2015, Paris. Co-organized conference, reviewed 85 abstracts, and selected presenters

Forests & Livelihoods: Assessment, Research, Engagement (FLARE) annual meeting 2016, Edinburgh, 46 abstracts reviewed

Editor tasks

Guest lead editor for special issue of *Forest, Policy and Economics* on forests, food, and livelihoods (to be published in late 2016)

Guest editor for special issue of *World Development* on Climate Change Adaptation: Interactions, Synergies, Contradictions, and Tradeoffs across Scales (to be published in 2017)

Examiner

University of Copenhagen

2014 Human Geography Field course. 18 students

	The global geography of food. 26 students
2013	Climate Change – Causes, effects, limitations and adaptation. 19 students
2012	Human Geography Field course. 21 students Land Use and Global Change. 26 students
2011	Climate Change, impacts, adaptation and mitigation. 43 students Human Geography Field course. 16 students

FIELD EXPERIENCE

2016	Piaui and Bahia, Brazil (field coordinator, 21 days)
2014	Huaphanh province, Laos (lead field coordinator, 25 days)
2013	Huaphanh Province, Laos (lead field coordinator, 14 days)
2013	Seno province, Burkina Faso (lead field coordinator, 30 days)
2012	Seno and Oudalan province, Burkina Faso (lead field coordinator, 14 days)
2010	Seno and Oudalan Province, Burkina Faso (lead field coordinator, 60 days)
2010	Seno and Oudalan Province, Burkina Faso (lead field coordinator, 12 days)
2009	Sikasso, Mali (lead coordinator, 30 days)
2009	Cabo Delgado, Mozambique (lead coordinator, 31 days)
2008	Arusha, Tanzania (14 days)

PRESENTATIONS

Selected invited presentations

2016	AGHYMET dissemination workshop , Ouagadougou. Oral presentation: Le diffusion des informations climatiques
2015	Global Environmental Facility (GEF) commodities meeting , Washington DC. Oral presentation: Indicators to address the sustainability of agricultural commodity production
2015	Forests & Livelihoods: Assessment, Research, Engagement (FLARE) steering group meeting , Paris. Oral presentation: How do we choose sustainability indicators?
2012	Network on Humanitarian Assistance (NOHA) and Copenhagen School of Global Health awareness-raising seminar on resilience in Practice, Copenhagen. Oral presentation: A practical application of the resilience concept

Selected conference presentations

2015	Forests & Livelihoods: Assessment, Research, Engagement (FLARE) annual meeting , Paris. Oral presentation: Wild food collection and nutrition under commercial agricultural expansion.
2015	International Association for Landscape Ecology (IALE) World Congress , Portland. Oral presentation: Conversion factors determine how ecosystem services and disservices are co-produced by ecological and social processes: Insights from shifting cultivation systems in Laos.
2014	Global Land Project Open Science Meeting , Berlin. Oral presentation: Land use rationales in desert fringe agriculture.