

CURRICULUM VITAE (C.V)

MAREN A. OCHERE RADENY

Nationality Kenyan
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Professional Qualifications

2007 to 2011 Wageningen University, The Netherlands
PhD in Development Economics
1999 University of Nairobi, Kenya
Master of Science in Agricultural Economics
1994 University of Nairobi, Kenya
Bachelor of Science in Agriculture

Summary of main skills and experience

Maren Radeny currently works with the CGIAR research program on Climate Change, Agriculture and Food Security (CCAFS) as Science Officer in East Africa. Prior to joining CCAFS, she worked with the International Livestock Research Institute (ILRI) in Kenya. She has 10 years post-graduate research experience working on poverty, livelihoods, climate change, food security, and livestock marketing. Maren holds a PhD in Development Economics from Wageningen University and an MSc in Agricultural Economics from the University of Nairobi. Prior to joining ILRI, she was an Assistant Researcher with the International Crops Research Institute for the Arid and Semi-arid Tropics (ICRISAT) and the Institute of Policy Research and Analysis (IPAR) in Kenya. Over the years Maren has been involved in various research projects in Kenya, Tanzania, Peru, Uganda and Ethiopia in collaboration with national and international partners. Her main skills and contributions include:

- Developing research projects on climate change adaptation, mitigation and climate risk management.
- Poverty analysis, integrating quantitative and qualitative research methods
- Livelihoods analysis, focusing on economic assessment of returns to different livelihood options in pastoral systems
- Livestock marketing and economic valuation of indigenous animal genetic resources in pastoral systems
- Econometric and statistical techniques for analyzing survey data including panel data
- Writing scientific reports including peer-reviewed journal articles
- Designing and managing household and community survey databases
- Designing and implementing household and community surveys in diverse settings

Professional Experience

2012 to date: Science Officer, CGIAR Program on Climate Change, Agriculture and Food Security (CCAFS) Regional Program for East Africa, Kenya

Key Responsibilities

- Developing and coordinating evaluation of research projects to respond to the needs and priorities for research in on Climate Change, Agriculture and Food Security in East Africa (Kenya, Ethiopia, Tanzania and Uganda);

- Reviewing and synthesizing knowledge and contributing to participatory action research at local, national and regional scales;
- Providing technical backstopping and monitoring of research projects, writing of research reports, journal articles and program documentation;
- Developing, managing and maintaining collaborative research and policy partnerships at national, regional and international levels;
- Representing CCAFS in national, regional and international meetings and conferences;
- Organizing and contributing to workshops, meetings, training and other dissemination events;
- Program management – developing annual workplans, financial management and reporting, and annual technical reporting.

2007 to 2011: PhD Researcher in Development Economics, Wageningen University and Research Centre, The Netherlands; and Research Associate International Livestock Research Institute (ILRI), Kenya

Key Responsibilities

- Working on a PhD dissertation on Poverty Dynamics, Economic Growth, and Vulnerability to Shocks among Rural Households in Kenya.
- Literature review, designing household and community surveys and analysis to identifying livestock-based risk management and coping options to reduce drought-related vulnerability in agro-pastoral and pastoral systems in East Africa under the Systemwide Livestock Programme (SLP) of the CGIAR.
- Providing technical assistance in statistical and econometric analysis in assessing the potential for increased market access to reduce poverty among smallholder livestock keepers in rural Mozambique and Zimbabwe under the Livestock and Livelihoods Project in Southern Africa.

2003 to 2006: Research Associate with the International Livestock Research Institute (ILRI)

Key Responsibilities

- Design economic surveys, and primary data collection in various projects in collaboration with national partners and international partners.
- Design and manage household survey databases for various projects, including PhD dissertation projects for international students
- Econometric and statistical analysis of survey data
- Review literature, secondary data collection, write and edit scientific reports, including peer-reviewed journal articles
- Supervise national research staff working in the poverty, livestock and livelihoods program

2000 to 2003: Research Technician, International Livestock Research Institute (ILRI)

Key Responsibilities

- Design economic surveys, and primary data collection
- Design and manage household survey databases
- Review literature and collect secondary data
- Econometric and statistical analysis of survey data
- Drafting scientific reports

1998 to 2000: Research Assistant, International Crops Research Institute for the Arid and Semi-arid Tropics (ICRISAT)

Key Responsibilities

- Review and analyze changes in yield, acreage and output of cereals in Kenya – Sorghum, maize and millet

- Analysis of the pigeon pea sub-sector in Eastern and Southern Africa, focusing in the marketing channel for dry and green pigeon peas in Kenya. Involved in collecting primary and secondary from the different marketing agents, from the farmers to green pigeon pea exporters and grain processors.

1997: Internship as a Research Assistant, Institute of Policy Analysis and Research (IPAR), Kenya

Fellowships

- Doctoral Research on Poverty Dynamics, Economic Growth, and Vulnerability to Shocks among Rural Households in Kenya. A research project supported by the Netherlands Fellowship Program (NFP), African Economic Research Consortium (AERC), and International Livestock Research Institute (ILRI).

Membership in Professional Organizations

- African Association of Agricultural Economists (AAAE)

Publications

Journal Papers and Book Chapters

Radeny, M., Van den Berg, M., Schipper, R. 2012. Rural Poverty Dynamics in Kenya: Structural Declines and Stochastic Escapes. *World Development* 40 (8): 1577-1593.

Radeny, M., Bulte, E. 2012. Determinants of Rural Income: The role of Geography and Institutions in Kenya. *Journal of African Economies* 21 (2): 307-341.

Kristjanson, P., Mango, N., Krishna, A., **Radeny, M.**, Johnson, N. 2010. Understanding Poverty dynamics in Kenya. *Journal of International Development* 22(7): 978-996.

Nkedianye, D., **Radeny, M.**, Kristjanson, P., Herrero, M. 2009. Assessing Returns to Land and Changing Livelihood Strategies in Kitengela. In: Homewood, K., Kristjanson, P., Trench, P.C. (eds.), *Staying Maasai? Livelihoods, Conservation and Development in East African Rangelands*. Springer, New York, pp. 115-149.

Serneels, S., Herrero, M., BurnSilver, S., Trench, P.C., Cochrane, K., Homewood, K., Kristjanson, P., Nelson, F., **Radeny, M.**, Thompson, D.M., Said, M.Y. 2009. Methods in the Analysis of Maasai Livelihoods, in: Homewood, K., Kristjanson, P., Trench, P.C. (eds.), *Staying Maasai? Livelihoods, Conservation and Development in East African Rangelands*. Springer, New York, pp. 43-67.

Radeny, M., Nkedianye, D., Kristjanson, P., Herrero, M. 2007. Livelihood Choices and Returns among Pastoralists: Evidence from Southern Kenya. *Nomadic Peoples* 11(2): 31-35.

Kristjanson, P., Krishna, A., **Radeny, M.**, Kuan, J., Quilca, G., Sanchez-Urrelo, A., Leon-Velarde, C. 2007. Poverty dynamics and the role of livestock in the Peruvian Andes. *Agricultural Systems* 94(2): 294-308.

Krishna, A., Kristjanson, P., **Radeny, M.**, Kuan, J., Quilca, G., Sanchez-Urrelo, A. 2006. Escaping Poverty and Becoming Poor in Forty Communities of the Peruvian Andes. *Development and Change* 37(5): 997-1021.

Radeny, M., Scarpa, R., Ruto, E., Kristjanson, P., Wakhungu, J. 2006. Conserving Africa's Drought

and disease tolerant cattle breeds: What role do markets play? In: McPeak, J. G., Little, P.D. (eds), Pastoral Livestock Marketing in Eastern Africa: Research and Policy Challenges. ITDG Publishing, Warks, UK. 288 pp.

Kristjanson, P., **Radeny, M.**, Baltenweck, I., Ogutu, J., Notenbaert, A., de Wolff, T. 2005. Livelihoods mapping and poverty correlates at a meso-level in Kenya. *Food Policy* 30(5-6): 568-583.

Krishna, A., Kristjanson, P., **Radeny, M.**, Nindo, W. 2004. Escaping Poverty and Becoming Poor in Twenty Kenyan Villages. *Journal of Human Development* 5(2): 211-220.

Kristjanson, P., Krishna A., **Radeny, M.**, Nindo, W. 2004. Pathways out of poverty and the role of livestock. FAO Pro-Poor Livestock Policy Initiative Working Paper No. 14. Available at: www.fao.org

Scarpa, R., Kristjanson, P., Ruto, E., **Radeny, M.**, Drucker, A. and Rege, J.E.O. 2003. Valuing indigenous cattle breeds in Kenya: An empirical comparison of stated and revealed preference value estimates. *Ecological Economics* 45(3): 409-426.

Working Papers, Scientific Reports and Conference Proceedings

Nzuma JM, **Radeny M**, Kinyangi J, Cramer L. 2014. A Review of Agricultural, Food Security, Food Systems and Climate Change Adaptation Policies, Institutions and Actors in East Africa. CCAFS Working Paper no. 82. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org

Bewket W, **Radeny M**, and Mungai C, eds. 2014. Climate Change and Agriculture in Ethiopia: Vulnerabilities, Coping and Adaptation Strategies, and Institutional Responses. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark.

Mahoo H, **Radeny M**, Kinyangi J, Cramer L, eds. 2013. Climate change vulnerability and risk assessment of agriculture and food security in Ethiopia: Which way forward? CCAFS Working Paper no. 59. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org

Nyasimi M, **Radeny M**, Kinyangi J 2013. Climate Change Adaptation and Mitigation Initiatives for Agriculture in East Africa Working Paper no. 60. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org

Jarvis A, Ramirez-Villegas J, Nelson V, Lamboll R, Nathaniels N, **Radeny M**, Mungai C, Bonilla-Findji O, Arango, David, Peterson C. 2013. Farms of the future. An innovative approach for strengthening adaptive capacity. In: Triomphe B, Waters Bayer A, Klerkx L, Schut M, Cullen B, Kamau G & Le Borgne E, eds: Innovation in smallholder farming in Africa: recent advances and recommendations. Proceedings of the International Workshop on Agricultural Innovation Systems in Africa (AISA) held in Nairobi, Kenya, 29 - 31 May 2013. Montpellier: CIRAD. p.121-126.

Mahoo H, Mbungu W, Rwehumbiza F, Mpetta, E, Yonah I, Recha J, **Radeny M** and Kinyangi, J. 2013. Seasonal weather forecasting: Integration of indigenous and scientific knowledge. In: Triomphe B, Waters Bayer A, Klerkx L, Schut M, Cullen B, Kamau G & Le Borgne E, eds: Innovation in smallholder farming in Africa: recent advances and recommendations. Proceedings of the International Workshop on Agricultural Innovation Systems in Africa (AISA) held in Nairobi, Kenya, 29 - 31 May 2013. Montpellier: CIRAD. p.164-169.

Johnson, N., **Radeny, M.** 2009. Livestock and livelihoods in rural Mozambique: The potential for increased market access to reduce poverty among smallholder livestock keepers. International Livestock Research Institute, Nairobi.

Ouma, R., Mude, A., **Radeny, M.**, Kariuki, J. 2008. Identifying livestock-based risk management and coping options to reduce drought-related vulnerability to in agro-pastoral and pastoral systems in East Africa: With Evidence from Samburu and Kajiado. International Livestock Research Institute, Nairobi.

Kristjanson, P., **Radeny, M.**, Baltenweck, I., Ogutu, J., deWolff, T., Notenbaert, A., Ouna, T., Arunga, M., Omolo, A., Oduor, V. 2004. Better Understanding Livelihood Strategies and Poverty through the Mapping of Livelihood Assets: A Pilot Study in Kenya. ILRI Final Report to FAO-FIVIMS. Available at: www.fivims.net

Kristjanson P., **Radeny M.**, Nkediye D., Kruska R., Reid R., Gichohi H., Atieno F., and Sanford R. 2002. Valuing Alternative Land-use Options in the Kitengela Wildlife Dispersal Area. A joint International Livestock research Institute (ILRI)/Africa Conservation Centre (ACC) Report. ILRI Impact Assessment Series 10. ILRI, Nairobi, Kenya.

Matere J., Thornton P., Odera A., Kruska R., Kristjanson P., Omolo A., Ouna T., Owuor J., Maina G., **Radeny M.** and Nijbroek R. 2001. A Spatially-Referenced Crop and Livestock Production Database for Eastern and Southern Africa. Final Report to the Rockefeller Foundation. International Livestock Research Institute (ILRI) in collaboration with CIMMYT, CIP, ICRISAT, CIAT, ICRAF and INIBAP.

Freeman H. A., Jones R. B., Silim S. N. and **Ochere M. R.** 1999. The Pigeonpea Sub-sector in Kenya. Pigeonpea Improvement Project for Eastern and Southern Africa. International Crops Research Institute for the Semi-arid Tropics (ICRISAT), Nairobi, Kenya.

Ochere M. R. 1999. Policy Incentives and Competitiveness of Maize Production in Trans-Nzoia District, Kenya. MSc Thesis, University of Nairobi, Kenya.

Freeman H. A. and **Ochere M. R.** 1998. Pigeonpea Situation and Outlook in Southern and Eastern Africa. Pigeonpea Improvement Project for Eastern and Southern Africa. International Crops Research Institute for the Semi-arid Tropics (ICRISAT), Nairobi, Kenya.

Selected Papers Presented at International Conferences

Macoloo C, Recha J, **Radeny M.** 2013. Empowering a local community to address climate risks and food security in Lower Nyando, Kenya. Case study presented at the Hunger, Nutrition and Climate Justice International Conference. “A new Dialogue: Putting People at the Heart of Global Development”, Dublin, Ireland, 15-16 April 2013.

Jarvis, A., Ramirez-Villegas, J., Nelson, V., Lambol, R., Nathaniels, N., **Radeny, M.**, Mungai, C., Osana Bonilla-Findji, O., Arango, D., Peterson, C. 2013. Farms of the Future: An Innovative Approach for Strengthening Adaptive Capacity. Poster presented at the International Workshop on Agricultural Innovation Systems in Africa, Nairobi, Kenya, 29-31 May 2013.

Mahoo, H., Mbungu, W., Rwehumbiza, F., Mpetu, E., Yonah, I., Kinyangi, J., **Radeny, M.**, Recha, J. 2013. Seasonal Weather Forecasting: Integration of Indigenous and Scientific Knowledge. Poster

presented at the International Workshop on Agricultural Innovation Systems in Africa, Nairobi, Kenya, 29-31 May 2013.

Radeny, M., Van den Berg, M., Schipper, R. Comparing participatory and income measures: Analysis of poverty levels and dynamics in rural Kenya. Paper presented at the Chronic Poverty Research Centre International Conference “Ten years of war against poverty: What we have learned since 2000. What we should do 2010-2020”, Manchester, UK , 8-10 September 2010.

Radeny, M., Nkedianye, D., Kristjanson, P., Herrero, M. 2006. Livelihood Choices and Returns among Agro-Pastoralists in southern Kenya. Paper presented at the International Policy Research Conference “Pastoralism and Poverty Reduction in East Africa” Nairobi, Kenya, 27-28 June 2006.

Referees

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