

# Ellen McCullough

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## PROFESSIONAL EXPERIENCE

Assistant Professor, Agricultural & Applied Economics Department, 2016-present  
*University of Georgia, Athens, GA*

Associate Program Officer, Agricultural Development Program, 2009-2011  
Research Analyst, Agricultural Development Program, 2008-2009  
*Bill & Melinda Gates Foundation, Seattle, WA*

Economist, Agricultural & Development Economics Division, 2005-2008  
*Food and Agriculture Organization of the United Nations, Rome, Italy*

## EDUCATION

PhD, Applied Economics and Management, Cornell University, 2011- 2016  
M.S., Earth Systems, Stanford University, 2003-2004  
B.S., Earth Systems, Stanford University, 1999-2003

## JOURNAL ARTICLES

- McCullough, EB. 2017. Labor productivity and employment gaps in Sub-Saharan Africa. *Food Policy* 67 (February 2017): 133-152.
- McCullough, EB., P.A. Matson. 2011. Evolution of the knowledge system for agricultural development in the Yaqui Valley, Sonora, Mexico. *Proceedings of the National Academy of Sciences* 113 (17) 4609-4614.
- Gómez, M.I., C. B. Barrett, L. E. Buck, H. De Groote, S. Ferris, H. O. Gao, E. McCullough, D. D. Miller, H. Outhred, A. N. Pell, T. Reardon, M. Retnanestri, R. Ruben, P. Struebi, J. Swinnen, M. A. Touesnard, K. Weinberger, J. D. H. Keatinge, M. B. Milstein and R. Y. Yang. 2011. Research Principles for Developing Country Food Value Chains. *Science* 332 (6034): 1154.
- Jacobs, K., L. Lebel, J. Buizer, L. Addams, P. Matson, E. McCullough, P. Garden, G. Saliba, and T. Finan. 2010. Linking knowledge with action in the pursuit of sustainable water-resources management. *Proceedings of the National Academy of Sciences* 113 (17): 4591-4596.
- Omiti, J.M., D.J. Otieno, T.O. Nyanamba and E.B. McCullough. 2009. Factors influencing the intensity of market participation by smallholder farmers: a case study of rural and peri-urban areas of Kenya. *African Journal of Agricultural and Resource Economics* 3 (1): 57-82.
- Galloway, J.N., M.B. Burke, G.E. Bradford, R. Naylor, W. Falcon, A.K. Chapagain, J.C. Gaskell, E.B. McCullough, H.A. Mooney, K.L. Oleson, H. Steinfeld, T. Wassenaar and V. Smil. 2007. International trade in meat: The tip of the pork chop. *Ambio* 36 (8): 622.
- Burke, M., K. Oleson, E. McCullough, and J. Gaskell. 2009. A Global Model Tracking Water, Nitrogen, and Land Inputs and Virtual Transfers from Industrialized Meat Production and Trade. *Environmental Modeling and Assessment* 14 (2): 179.
- Falcon, W.P., R.L. Naylor, W.L. Smith, M.B. Burke and E.B. McCullough, 2004. Using climate models to improve Indonesian food security. *Bulletin of Indonesian Economic Studies* 40 (3).

## **WORKING PAPERS**

"Occupational Choice and Agricultural Labor Exits in Sub-Saharan Africa"

"Modeling climate smart agricultural investments in Sub-Saharan Africa" (with Julianne Quinn, Andrew Simons, Leslie Verteramo, and Joshua Woodard)

"The role of consumer demand in African structural transformation"

## **RESEARCH IN PROGRESS**

"Harnessing food demand systems for improved nutrition in Sub-Saharan Africa" (with Chen Zhen and Soye Shin)

"A good time to call? Using randomly timed phone calls toward better time use data in the field" (with Tamara McGavock)

"Her time: Participation in livelihoods programs, women's time use, and children's outcomes in Ethiopia" (with Tamara McGavock)

"The subsistence farmer myth and how it can misdirect policy" (with Christopher B. Barrett and Brian Dillon)

## **BOOKS & BOOK CHAPTERS**

McCullough, E.B., P.L. Pingali, and K.G. Stamoulis (eds). 2008. *The Transformation of Agri-food Systems: Globalization, Supply Chains, and Smallholder Farmers*. London, UK: Earthscan Press, 381pp.

McCullough, Ellen B. 2018. "Agricultural Labor Is Not So Unproductive in Africa." In: Christiaensen, Luc, and Lionel Demery (eds). *Agriculture in Africa: Telling Myths from Facts. Directions in Development*. Washington, DC: World Bank. Pp 47-56.

McCullough, E.B., PA Matson. 2012. Linking knowledge with action for sustainable development: a case study of change and effectiveness. In PA Matson (ed). *Seeds of sustainability: Lessons from the birthplace of the Green Revolution in Agriculture*, Washington DC: Island Press, pp 63-83.

Matson, P., Luers, A. and EB McCullough. 2012. Exploring vulnerability in the Yaqui Valley human-environment system. In PA Matson (ed). *Seeds of sustainability: Lessons from the birthplace of the Green Revolution in Agriculture*, Washington DC: Island Press, pp 83-92.

Schoups, G., L. Adams, D. Battisti, E. McCullough, and JL Minjares. 2012. Water resources management in the Yaqui Valley. In PA Matson (ed). *Seeds of sustainability: Lessons from the birthplace of the Green Revolution in Agriculture*, Washington DC: Island Press, pp 197-230.

McCullough, E.B., P.L. Pingali, and K.G. Stamoulis. 2010. Small farms and the transformation of food systems: an overview. In R. Haas, M. Canavari, B. Slee, C. Tong, and B. Anurugsa (Eds) *Looking East Looking West: Organic and quality food marketing in Asia and Europe*. Wageningen, The Netherlands: Wageningen Academic Publishers, pp 47-85.

Pingali, P., and E. McCullough. 2010. Drivers of Change in Global Agriculture and Livestock Systems. In H. Steinfeld, H. A. Mooney, F. Schneider, and L.E. Neville (Eds) *Livestock in a Changing Landscape: Drivers, Consequences, and Responses*. Washington, DC: Island Press, pp 5-10.

Tobgay, S.K. and E.B. McCullough. 2008. Linking small farmers in Bhutan with urban consumers: the importance of market access. In E.B. McCullough, P.L. Pingali, and K.G. Stamoulis (eds) *The Transformation of Agri-food Systems: Globalization, Supply Chains, and Smallholder Farmers*. London, UK: Earthscan Press, pp 235-258.

Omiti, J.M., T. Nyanamba, E.B. McCullough and D. Otieno. 2008. Factors influencing diversification of smallholder agriculture in Kenya. In E.B. McCullough, P.L. Pingali, and K.G. Stamoulis (eds) *The Transformation of Agri-food Systems: Globalization, Supply Chains, and Smallholder Farmers*. London, UK: Earthscan Press, pp 259-278.

### **CONFERENCE AND SEMINAR PRESENTATIONS**

- 2019: Center for the Study of African Economies (CSAE), Oxford, UK;
- 2018: Agricultural & Applied Economics Association (AAEA), Washington, DC; Conservation Ecology Seminar Series (UGA), Athens, Georgia;
- 2017: European Association of Environmental and Resource Economics (EAERE), Athens, Greece; International Consortium on Applied Bioeconomy Research (ICABR), Berkeley, CA;
- 2016: Food and Agriculture Organization of the UN invited seminar, Rome, Italy; Rural Livelihoods Information System expert consultation, Rome, Italy; World Bank Jobs & Development Conference, Washington, DC; African Association of Agricultural & Applied Economics Conference, Addis Ababa, Ethiopia;
- 2015: IZA-World Bank Conference on Employment and Development, Bonn, Germany; Agriculture in Africa – Telling Facts from Myths Symposium, World Bank and International Food Policy Research Institute, Washington DC; Western Economic Association International, Honolulu, Hawaii; Western Economic Association International Graduate Student Workshop, Honolulu, Hawaii; Agricultural and Applied Economics Association, San Francisco, CA; Cornell University Development Economics Seminar, Ithaca, NY;
- 2014: Food Systems and Poverty Reduction IGERT Symposium, Ithaca, NY;
- 2013: African Association of Applied Economics Conference, Hammamet, Tunisia; International Conference on Global Food Security, Noordwijkerhooft, The Netherlands; Agriculture in Africa – Telling Facts from Myths Workshop, Washington, DC; Food Systems and Poverty Reduction IGERT Symposium, Ithaca, NY;
- 2011: Leverhulme Centre for Integrative Research on Agriculture and Health, Agri-food Policy and Governance for Nutrition and Health Research Conference, London, UK; Shoreline Community College Seminar, Seattle, Washington;
- 2009: International Association of Agricultural Economists, Beijing, China; International Fertilizer Association, Cairo, Egypt;

### **GRANTS**

- 2017-2020 Principal Investigator, *Harnessing Demand Systems for improved nutrition in Sub-Saharan Africa* (grant from the Bill & Melinda Gates Foundation and the UK Department for International Development, \$784,000).
- 2016-2017 Collaborator, *Structural Transformation in African Agriculture and Rural Spaces* project, a joint research venture between the African Development Bank, CGIAR Research Program on Policies, Institutions and Markets, Partnership for Economic Policy, the African Economic Research Consortium, the World Bank, and Cornell University.
- 2014-2016 Co-investigator, *Soil fertility and Agricultural Development in Ethiopia* (grant from the International Food Policy Research Institute to Cornell University, with funding from the Bill & Melinda Gates Foundation)
- 2013 Recipient, Field-Based Research Grant Food, Systems and Poverty IGERT, \$10,000
- 2013-2014 Co-investigator, *Agriculture in Africa: Telling Facts from Myths* (grant from the African Development Bank to Cornell University)

## **TEACHING**

### *Primary Instructor:*

The World Food Economy (Undergraduate Course), University of Georgia, 2017, 2018  
Advanced Agricultural Development and Rural Economies (PhD Seminar), University of Georgia, 2019  
Agricultural & Applied Economics Seminar Series, University of Georgia, 2019

## **PROFESSIONAL SERVICE**

### Peer Reviews:

African Economic Conference; Agricultural and Applied Economics Association conference; *Agricultural Economics*; *Agriculture and Food Security*; *Agricultural and Resource Economics Review*; *American Journal of Agricultural Economics*; *Economics & Human Biology*; *Environment and Development Economics*; *Food Policy*; *Food Security*; *Global Environmental Change*; *Global Food Security*; International Association of Agricultural Economists conference; *Journal of Agribusiness*; *Journal of Development Economics*; *Oxford Development Studies*; *PLoS One*; Structural Change in African Agriculture and Rural Spaces Conference; *World Development*;

2018-2020 Secretary-Treasurer, Africa Section, Agricultural & Applied Economics Association

## **FELLOWSHIPS AND AWARDS**

- 2019 Outstanding Faculty Award, *Agricultural & Environmental Economics Club* at the University of Georgia, 2018-19 Academic year
- 2018 Karl Eicher Award for Best Doctoral Dissertation on Africa for 2015-2017, *International Association of Agricultural Economists (IAAE)*
- 2018 Outstanding Doctoral Dissertation Award for 2017, *Agricultural & Applied Economics Association (AAEA)*
- 2015 Second Place recipient, George Warren Award for outstanding manuscript by a graduate student in the Dyson School.
- 2013 Ecological Society of America Sustainability Science Award (awarded to *Seeds of Sustainability: Lessons from the Birthplace of the Green Revolution* in recognition of an outstanding contribution to sustainability science)
- 2012-2014 Trainee, Integrative Graduate Education and Research Traineeship (IGERT) in Food Systems and Poverty Reduction (Cornell University IGERT funded by the National Science Foundation)
- 2010 “Holy Cow” staff merit award for contributions to the mission of the Bill & Melinda Gates Foundation
- 2004-2005 Research Fellow, Center for Environmental Science and Policy, Freeman-Spogli Institute for International Studies, Stanford University. *Knowledge Systems for Sustainable Development* Project (grant awarded to the Kennedy School of Government at Harvard University by the National Oceanographic and Atmospheric Association)