

Francis M. Mulangu

15b Cashew Link, Nthc Estate
 East Legon, Accra Ghana
 Cell: (233) 20 3100 681 (Ghana)
 (214) 228 9296 (USA)
mulangu@gmail.com

QUALIFICATIONS

- Economist working in the fields of Development Microeconomics: Agriculture, Food Security, Trade, Climate Change, and Extractive Resources with a working and research experience in Ghana, Tanzania, Senegal, and Guinea.
- Experience in oversight and implementation and design of econometric models, data analysis and country reports, both standard and complex, on food production and consumption, agricultural value added opportunities, technology adoption, commodity trade, and prospects for agricultural transformation and agro-processing opportunities.
- Expert on climate change valuation, conservation agriculture adoption author of several academic papers, policy reports, and international conference and seminar presentations.
- Expert in agricultural value chain and agro-processing opportunities and policies, authors of academic papers and policy reports.
- Managed agricultural research project where I coordinated activities of consultants, budgets, and performed basic M&E analysis of project following given guidelines.
- Principle and Co-investigator of very competitive grants won from DFID, USAID. And contributed to the writing of two other successful grant proposals.
- Designed (face-to-face, online, and mail-in) household survey instruments and supervised data collection, data cleaning, and analysis in both developing and developed countries.
- Expert in trade welfare analysis and measuring the gains from trade openness in developing countries using firm-level data.
- Expert in Randomized Control Trial (RCT) and implementing a project on the impact of index insurance on farmer's adoption of new technologies.
- Self-starter and excellent interpersonal and leadership skills. Fluent in English, French, Lingala, and Swahili. Expert in SAS, Stata, Matlab, SPSS, and ArcGIS

EDUCATION

Ohio State University, Columbus, OH USA

Ph.D. in Agricultural, Environmental, and Development Economics **2011**

Dissertation: "Climate, Water, and Carbon: Three Essays in Environmental and Development Economics"

Ohio State University, Columbus, OH USA

M.A. in Economics

2009

University of North Texas, Denton, TX USA

B.S. Honors in Economics

2006

Top Student

 PROFESIONAL EXPERIENCE

Agricultural Economist, ACET	2011 – Present
Graduate Research Associate, Ohio State University	2008 – 2011
Project Manager, Center for Farmland Policy Innovation (CFPI)	2009 – 2011

 TEACHING EXPERIENCE

<i>Columbus State Community College, Columbus, OH USA</i>	
Lecturer – “Principles of Microeconomics.”	2010 - 2011
Main class instructor, developed syllabus, and administered all grades.	
 <i>Ohio State University, Columbus, OH USA</i>	 2010
Teaching Assistant – “Quantitative Methods in Economics.”	
Supervise lab sessions, graded homework, and administered all grades.	
 <i>Ohio State University, Columbus, OH USA</i>	 2010 - 2011
Teaching Assistant – “Agribusiness Management.”	
Taught recitation session, graded homework, and administered all grades.	

 RESEARCH MANUSCRIPTS

Peer reviewed article

- Mulangu, F. (2011). Selling at the farm-gate or traveling to the market: A conditional farm level model. *Journal of Developing Areas* Vol.44 (2) 2011, 95-107
- Mulangu, F. and Clark, J. (2012) Identifying and measuring food deserts in rural Ohio *Journal of Extension* [On-line], Vol. 50(3) 3FEA6. Available at: <http://www.joe.org/joe/2012june/a6.php>
- Gatune, J., K. Korboe, C. Kodam, F. Mulangu and M. Rakotoarisoa. (2013) Analysis of Impact of Trade Benefits to the Fresh Pineapple Export Sector in Ghana. *FAO Trade and Commodity Policy Research Working Paper 41*

Non-peer reviewed articles

- Depetris Chauvin, N., F. Mulangu and G. Porto (2012) “Food Production and Consumption Trends in Sub-Saharan Africa: Prospects for the Transformation of the Agricultural Sector”. [Background paper for the First African Human Development Report, United Nations Development Program \(UNDP\)](http://web.undp.org/africa/knowledge/WP-2012-011-Chauvin-production-consumption.pdf), Regional Bureau for Africa, New York. Available at: <http://web.undp.org/africa/knowledge/WP-2012-011-Chauvin-production-consumption.pdf>
- Mulangu, F and J. Ulimwengu. (2010). Optimal rainfall insurance contracts for maize producers in Northern Ghana: A mathematical programming approach *IFPRI Discussion Paper 1016*.

Book Chapters

- Mulangu., F and D. Kraybill. Climate Change and the Future of Mountain Farming on Mt. Kilimanjaro. S. Mann (ed.), *The Future of Mountain Agriculture*, Springer Geography, 2013.
- Mulangu, F and D. Kraybill. Carbon Markets Impacts on Farm Management Practices on Mount Kilimanjaro. D.Kraybill and R. Lal (ed) *Forthcoming*
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Policy Documents

Value chain background paper: The case of Cotton, Milk, Rice, and Cassava in Tanzania. Policy Paper, African Center for Economic Transformation (4 reports)

Value chain background paper: The case of Rice and Maize in Ghana. Policy Paper, African Center for Economic Transformation (2 reports)

Value chain background paper: The case of Maize in Burkina Faso. Policy Paper, African Center for Economic Transformation

Palm oil production and Agroprocessing opportunities in Africa. Policy Paper, African Center for Economic Transformation (ACET)

Improving Ghana oil palm value chain competitiveness. Policy Paper, African Center for Economic Transformation (ACET).

Food Access Gaps in Rural Ohio. Research Brief # 2010-2 January 2010 Center for Farmland Policy Innovation (CFPI). Available at <http://cffpi.osu.edu/fooddeserts.htm>

Ohio's Agricultural Easement Purchase Program: From Pilot to Permanent Presence a Survey of AEPP Participants. Research Brief #2010-1 January 2010 CFPI.

Towards a guideline for improved water productivity in agriculture in sub-Saharan Africa for food security and income generation. Food and Agriculture Organization (FAO) Background Policy paper (with Guylain Ngeleza and Nicholas Dadzie)

LANGUAGES AND COMPUTER SKILLS

French – native language

English – speak fluently and read/write with high proficiency

Swahili – speak, read, and write with basic competence.

Lingala – native language

Computer Software: SAS, STATA, SPSS, MATLAB, ArcGIS

MEMBERSHIPS

American Economic Association (AEA)

Applied and Agricultural Economic Association (AAEA)

African Finance and Economic Association (AFEA)

African Growth and Development Policy Modeling Consortium (AGRODEP)