

# Arnold L. Musungu

+49 177 8476951 ◊ Hirschberger St.62, 53119 Bonn

[musunguarnold8@gmail.com](mailto:musunguarnold8@gmail.com) ◊ <https://www.linkedin.com/in/arnold-musungu/> ◊ [www.arnoldmusungu.com](http://www.arnoldmusungu.com)

## EDUCATION

---

- PhD. Agricultural/Development Economics.** Ongoing  
University of Bonn, Germany.  
*Dissertation Title: Essays on Climate Change and Development in Rural Africa.*
- MSc. Agricultural & Applied Economics.** 2017 - 2020  
University of Nairobi, Kenya  
*Dissertation Title: Preferences for Livestock Disease Management Strategies in Kenya.*
- BA. Agribusiness Management** 2012 - 2016  
University of Nairobi, Kenya  
*Grade: First Class Honors*

## PROFESSIONAL TRAINING

---

- Research Fellowship** Jan - May 2024  
Center for Effective Global Action (CEGA), UC. Berkeley.
- PhD Course on Firms and Development.** Jan - Feb 2023  
Bureau for Research and Economic Analysis for Development (BREAD)  
and International Growth Center (IGC)
- Development Economics Course for Sub-Saharan Africa.** Sep - Nov 2021  
Institute of Labor Economics (IZA)
- Advanced Impact Evaluation and Causal Inference Training.** July 2021  
Center for Effective Global Action (CEGA), UC. Berkeley.

## EXPERIENCE

---

- Junior Researcher** Oct 2021 - Present  
*Center for Development Research (Zef), University of Bonn*  
Bonn, Germany
- Advancing research in development topics in the Global South.
  - Authored a working paper on the effects of weather shocks spectral labor reallocation in Ethiopia
  - Working on a second manuscript on climate change, land property rights and resource allocation in Tanzania
- Research Assistant (Part-time)** Jan - July 2022  
Prof. Elizabeth Lyons, UC. San Diego, School of Global Policy and Strategy.  
*California, USA*  
*Project: Effects of Peer Mentorship Programs on Girls' Schooling: Experimental Evidence in Afghanistan*
- Executed data cleaning, management and processing for the project.
  - Analyzed baseline data and provided insights that informed the final RCT in Afghanistan.
  - Successfully implemented statistical and econometric analyses for the first paper that has since been published. ([Access here](#))
- African Open Data Fellow** Jan 2021 - Dec 2021  
*Local Development Research Institute (LDRI)*  
Nairobi, Kenya
- I was attached to the Agriculture Transformation Office (ATO) within Kenya's Ministry of Agriculture to support on data and research to inform policies.
  - Supported the office of the president on preparing technical documents and data analysis to fast-track the implementation and reporting of the government of Kenya's Big 4 Agenda.

- Successfully coordinated various state departments within the ministry on reporting each department's key indicators of Kenya's Big 4 Agenda.
- Oversaw data collection and analyses training and capacity building at ATO.
- Coordinated the development of the Ministry of Agriculture's development of the agriculture sector monitoring and evaluation framework.
- A member of the technical team that oversaw the development of the Agriculture Sector Digital Transformation Strategy.
- Represented ATO in the pre-liminary phases of Kenya's public land privatization strategy which aims at achieving efficient use of public land as part of efforts to achieve food security.
- Supported the ministry's statistics unit to assemble relevant data for reporting on comprehensive Africa agriculture development program (CAADP) biennial review.
- Part of the government team that successfully planned and delivered the 2021 UN Food Systems Summit Dialogue in Nairobi, Kenya.
- Produced a number of knowledge products: open data protocols and report and blog post on open data for LDRI and biannual and annual reports for ATO.

### **Research Consultant**

March - Dec 2020

*International Centre for Insect Physiology and Ecology (ICIPE)*

*Nairobi, Kenya*

*Project: Assessing Demand and Supply Potential for Edible Insects in Western Kenya.*

- Conceptualized a study on the demand and supply potential of edible insects in Kenya
- Carried out scoping study in western Kenya counties
- Designed data collection tools and prepared data collection, management and processing protocols for household surveys in western Kenya counties.
- Recruited and trained enumerators, and supervised data collection in western Kenya.
- Cleaned and analyzed survey data and wrote one scientific manuscript.

### **Graduate Research Fellow**

Jan 2019 - Feb 2020

*International Centre for Insect Physiology and Ecology (ICIPE)*

*Nairobi, Kenya*

- Conceptualized a study on the economics and farmers' preferences for livestock disease management strategies in coastal Kenya
- Designed digital household survey tools
- Designed and implemented data collection, management and processing protocols including metadata for the household surveys
- Appraised budgets for surveys in Coastal Kenya and prepared contracts for the external survey team.
- Recruited and trained enumerators, and supervised data collection in coastal Kenya.
- Implemented survey data quality management and analysis and authored two manuscripts from the project which formed my MSc. dissertation.

## GRANTS AND AWARDS

---

### **Research Fellowship Grant**

Jan - May 2024

*Center for Effective Global Action (CEGA), UC, Berkeley.*

### **PhD. Scholarship and Research Grant**

Oct 2021 - 2024

*PhD full funding from the German Academic Exchange Service (DAAD)*

### **MSc. Scholarship and Research Grant**

Sept 2017 - Sept 2019

*MSc. full funding from the German Academic Exchange Service (DAAD) and the African Economic Research Consortium (AERC)*

## PUBLICATIONS

---

**Musungu, A.L.**, Otieno, D., Muriithi B., Nyikal., R., Okal, M.N., & Masiga, D. (2021). Toward sustainable integrated animal trypanosomiasis management in Kenya: Are the current management methods complementary or substitutes? *African Journal of Agricultural and Resource Economics*, 16(1), 46-63. ([Access here](#))

**Musungu, A.L.**, Muriithi B. & Tanga, C. (2023). Production, consumption, and market supply of edible crickets: Insights from East Africa. *Agriculture and Food Economics*, 11(1), 1-23 . ([Access here](#))

## SELECTED CONFERENCES

---

**Musungu, A.L.**, Zaneta. K. & Qaim, M. (2023). Drought Shocks and Labor Reallocation in Rural Africa: Evidence from Ethiopia. Accepted for oral presentation at the 7th *African Association of Agricultural Economics Conference*, 18-21 September 2023, Durban South Africa. ([Access here](#))

**Musungu, A.L.**, Otieno, D., Muriithi B., Nyikal., R. & Masiga, D. (2020). The role of land dynamics in integrated animal trypanosomiasis management: Evidence from coastal Kenya. Accepted for oral presentation at the *Annual World Bank Conference on Land and Poverty 2020*, Washington D.C.

## TECHNICAL SKILLS

---

**Programming (Data analysis) :** Stata, R, Python, GAMS  
**Document Production:** L<sup>A</sup>T<sub>E</sub>X, R-Markdown  
**Survey Design:** SurveyCTO, CSPro

## SPOKEN LANGUAGES

---

English(Native:C2)

Swahili(Native:C2)

German(Beginner:A2)