

Curriculum Vitae of

JOHN MUSUSA ULIMWENGU

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Education:

Ph.D., Agricultural, Environmental, and Development Economics, Summer 2006.
The Ohio State University.
M.A., Economics, The Ohio State University, 2002.
M.A., Development Economics, Williams College, 2001.
B.A., Mathematical Economics, University of Kinshasa, 1990.

Areas of specialization:

Applied microeconomics
Development economics
Quantitative methods in economics including spatial econometrics and regression analysis

Position

IFPRI Senior Research Fellow (April 2014-present):

- Leading the Integrated Project on Agricultural Growth in the Great Lakes region (PICAGL) funded by the World Bank.
- Supporting the CAADP Biennial Review process including co-editing the Annual Trends and Outlook Report (ATOR).
- Led the development of spatial typology for food and nutrition security and assessing the impact of covid-19 on Burundi food system project funded by WFP-Burundi.
- Produced nutrients adequacy mappings for Senegal and Rwanda; ii) develop a dashboard on food nutrients consumption.
- Mapping food and nutrition security and assessing the impact of covid-19 on Burundi food system
- Led FCDO project on “Transforming the Agricultural Sector of the Democratic Republic of the Congo through Climate-Smart, Job-Creating Interventions: Scoping Study and Assessment for Possible Future Foreign, Commonwealth, and Development Office Interventions”
- Led WFP project on “Spatial typologies to identify food and nutrition security bottlenecks in Uganda”
- Led USAID project on “Agricultural sector assessment in South Sudan”
- Contributed to the FS-TIP (Food Systems Transformative Integrated Policy) project with AKADEMIYA2063: coordinate landscaping and diagnostic analysis of the Malawi food system.
- Contributed to the pro-Sahel (Innovation and technology in small scale irrigation systems for small-scale producers in the Sahel: Niger and Burkina Faso) project: contribute to the project design and implementation
- Contributed to the Nutrition Smart Trade (Assessing Nutrition Smart Trade and Food Processing Systems in Africa) project with AKADEMIYA2063: contribute to the project design and implementation
- Facilitated the design and adoption of the DRC National Agricultural Investment Plan under the CAADP agenda

- Designed the country Agricultural Business Parks (ABPs) initiative as part of the National Agricultural Investment Plan. Each ABP is a farming hub to support out-grower schemes in the agriculture supply chain, thus enabling the creation of shared value for smallholder farmers, local communities, national and foreign owned agro-food companies and investors.
- In 2019, we led IFPRI technical support to the Partnership for Resilience and Recovery in South Sudan by (1) developing a M&E framework for the PfRR agenda; (2) assessing data availability (quality and quantity) to operationalize proposed M&E in (1); (3) identifying information gaps to inform additional data collection; (4) developing a typology to inform policy interventions at county and community level; (5) producing county/community resilience profiles.
- Lead research using 2 typologies. The first is a comprehensive typology for food and nutrition security interventions as a function of various constraints as a combination of sequential obstacles impeding nutrition security. The second typology, nutrient adequacy maps, allows the spatial identification of major bottlenecks behind countries' micronutrient deficiencies. Both subnational tools have been applied to 8 ECOWAS countries, Rwanda, Kenya, Uganda and the Democratic Republic of the Congo. In 2020, we will focus a comprehensive resilience framework developed from the 2 typologies for the Sahel and Horn of Africa regions.
- As part of the DRC SAKSS (Strategic Analysis Knowledge Support System) node, set up a mobile based data collection system across the country (www.caid.cd). The system is designed to collect a series of data on development issues (including agriculture, health and education) using mobile phones with imbedded questionnaires. 150 (one for each territory) young Congolese have been recruited and being deployed across the country.

ReSAKSS (www.resakss.org) Africa wide coordinator (September 2017- December 2021):

- Contribute to the production and publication of the Africawide Annual Trends and Outlook Report (ATOR) and conducted research on featured topic;
- Oversee the preparation of ReSAKSS program work plans, budgets, and donor reports;
- Participate in the technical work to appraise national agricultural investment plans (NAIPs)
- Facilitate the preparation of the ReSAKSS Annual Conference and proceedings
- Lead technical review and implementation of the CAADP/Malabo Biennial Review Report

Research Fellow, International Food Policy Research Institute, 2010-2014

- Coordinated research on convergence agenda in Tanzania, Rwanda and Burkina Faso (US\$1.7 million). We develop options on how social expenditures can be used to enhance agricultural productivity and, therefore, expand governments' set of policy instruments to address simultaneously both short term social and long term investments needs.
- Co-leader of a two-year research program (US\$2.1 million): Strategic Support to the Democratic Republic of the Congo: Agricultural Development Strategies and Institutional Capacity Strengthening. The program includes: i) Institutional capacity building in the agricultural sector; ii) Supporting the DRC's implementation of the Comprehensive Africa Agriculture Development Programme (CAADP); iii) Identifying the impact of the main drivers of land use change in the DRC on deforestation and ultimately climate change; iv) Identifying and quantifying institutional barriers to inland transport and trade, such as administrative burdens and petty corruption; v) Conducting a gender assessment of the agricultural sector; vi) Understanding the sources of the DRC's chronic undernutrition problems, with particular emphasis on the role of gender inequality, health services and agriculture.
- Involved in research and policy advisory work on sector policy and strategy issues related to the implementation of the African Union/NEPAD's Comprehensive Africa Agricultural Development Program (CAADP).

Selected publications:

1. Marivoet, Wim; Ulimwengu, John M.; and Cissé, Abdallah. 2023. Analyse des flux physiques, performances économiques et relations au sein des filières de manioc, de riz, de lait et de poisson au Sud-Kivu et Tanganyika (RDC 2021). IFPRI Discussion Paper 2171. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.136602>
2. Marivoet, Wim; and Ulimwengu, John M. 2023. Interactive typology tool for spatial targeting of FNS interventions. Washington, DC: International Food Policy Research Institute (IFPRI). <https://www.ifpri.org/project/spatial-typologies-targeted-food-and-nutrition-security-interventions>
3. Kamenya, Madalitso A.; Hendricks, Sheryl L.; Gandidzanwa, Colleta; Ulimwengu, John M.; and Odjo, Sunday. Public agriculture investment and food security in ECOWAS. *Food Policy* 113 (November 2022): 102349. <https://doi.org/10.1016/j.foodpol.2022.102349>
4. Jenane, Chakib, ed.; Ulimwengu, John M., ed.; and Tadesse, Getaw, ed. 2022. 2022 Annual trends and outlook report: Agrifood processing strategies for successful food systems transformation in Africa. ReSAKSS Annual Trends and Outlook Report. Kigali, Rwanda; and Washington, DC: AKADEMIYA2063; and International Food Policy Research Institute (IFPRI). <https://doi.org/10.54067/9781737916444>
5. Jenane, Chakib; and Ulimwengu, John M. 2022. Agro-parks as drivers of the African food processing sector: Review of conditions for success. In 2022 Annual trends and outlook report: Agrifood processing strategies for successful food systems transformation in Africa, eds. Chakib Jenane, John M. Ulimwengu, and Getaw Tadesse. Chapter 8, Pp. 92-112. <https://ebrary.ifpri.org/digital/collection/p15738coll2/id/136415>
6. Ulimwengu, John M.; and Kibonge, Aziza. 2022. Soil mapping, fertilizer application, and maize yield: A spatial econometric approach. AKADEMIYA2063 Working Papers Series, No. 004. Kigali, Rwanda: AKADEMIYA2063. <https://akademiya2063.org/publications/awps/AWPS%20No-004.pdf>
7. Ulimwengu, John M.; Thomas, Timothy S.; Marivoet, Wim; and Benin, Samuel. 2022. Determinants of resilience for food and nutrition security in South Sudan. IFPRI Discussion Paper 2117. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.135877>
8. Diao, Xinshen; Dorosh, Paul A.; Pauw, Karl; Randriamamonjy, Josée; Thurlow, James; and Ulimwengu, John M. 2022. Democratic Republic of the Congo: Impacts of the Ukraine and global crises on poverty and food security. Global Crisis Country Brief 17. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.135966>
9. Raj, Subhashni; Brinkley, Catherine; and Ulimwengu, John M. 2022. Connected and extracted: Understanding how centrality in the global wheat supply chain affects global hunger using a network approach. *PLoS ONE* 17(6): e0269891. <https://doi.org/10.1371/journal.pone.0269891>
10. Njuki, Jemimah; Benin, Samuel; Marivoet, Wim; Ulimwengu, John M.; Mwongera, Caroline; Breisinger, Clemens; Elmahdi, Amgad; Kassim, Yumna; Perez, Nicostrato D.; Akramov, Kamiljon T.; Djumaboev, Kahramon; Romashkin, Roman; Mukherji, Aditi; Kishore, Avinash; Rashid, Shahidur; Chen, Kevin Z.; Zhan, Yue; Diaz-Bonilla, Eugenio; Navarrete-Frias, Carolina; and Piñeiro, Valeria. 2022. Regional developments [in 2022 Global Food Policy Report]. In 2022 Global Food Policy Report: Climate Change and Food Systems. Chapter 13, Pp. 114-141. Washington, DC: International Food Policy Research Institute (IFPRI). https://doi.org/10.2499/9780896294257_13
11. Conostas, Mark A.; Wohlgenuth, Max; and Ulimwengu, John M. 2021. Measuring progress toward the Malabo Declaration goals in the midst of COVID-19: A measurement approach for a health systems-sensitive resilience score. In 2021 Annual Trends and Outlook Report: Building Resilient African Food Systems After COVID-19, eds. John M. Ulimwengu, Mark A. Conostas, and Éliane Ubalijoro. Chapter 10, Pp. 155-170. Kigali, Rwanda; and Washington, DC: AKADEMIYA2063; and International Food Policy Research Institute (IFPRI). <https://ebrary.ifpri.org/digital/collection/p15738coll2/id/134743>

12. Ulimwengu, John M., ed.; Conostas, Mark A., ed.; and Ubalijoro, Éliane, ed. 2021. 2021 Annual trends and outlook report: Building resilient African food systems after COVID-19. ReSAKSS Annual Trends and Outlook Report 2021. Kigali, Rwanda; and Washington, DC: AKADEMIYA2063; and International Food Policy Research Institute (IFPRI). <https://doi.org/10.54067/9781737916413>
13. Ulimwengu, John M.; Domgho, Léa Magne; and Collins, Julia. 2021. Assessing the vulnerability of West and Central African countries to COVID-19. In 2021 Annual Trends and Outlook Report: Building Resilient African Food Systems After COVID-19, eds. John M. Ulimwengu, Mark A. Conostas, and Éliane Ubalijoro. Chapter 5, Pp. 66-80. Kigali, Rwanda; and Washington, DC: AKADEMIYA2063; and International Food Policy Research Institute (IFPRI). <https://ebrary.ifpri.org/digital/collection/p15738coll2/id/134755>
14. Ulimwengu, John M.; and Kibonge, Aziza. 2021. Spatial spillover and COVID-19 spread in the U.S. BMC Public Health 21: 1765. <https://doi.org/10.1186/s12889-021-11809-2>
15. Marivoet, Wim; and Ulimwengu, John M. 2022. Mapping the nutrient adequacy of farm production and food consumption to target policy in Uganda. Development Policy Review 40(3): e12596. <https://doi.org/10.1111/dpr.12596>
16. Marivoet, Wim; Ulimwengu, John M.; Sall, Leysa M.; Gueye, Adama; Savadogo, Kimseyinga; and Dia, Khadim. 2021. Hidden hunger: Understanding dietary adequacy in urban and rural food consumption in Senegal. IFPRI Discussion Paper 2036. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.134483>