

Curriculum Vitae

Name:

Haruna Ahmad Sekabira

Date of Birth

17th July, 1984

Nationality:

Ugandan

Gender

Male

Marital Status:

Married with Children

Current Position; since June 2019:

Postdoctoral Fellow, Agri-Food Systems Scientist, International Institute of Tropical Agriculture (IITA). Mostly tasked with designing and implementing scientific research in; mapping, analyzing, and optimizing Agri-food value chains, nutrient flows, and waste streams to build resilient rural-urban food systems. Majorly focusing on; Cassava value chains in Rwanda, and coffee value chains in Eastern Democratic Republic of Congo.

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Field of Research:

Most previously I have worked as a Consulting Research Fellow – African Economic Research Consortium (AERC), Nairobi Kenya; on areas of Food security, Nutrition, and Agriculture Nexus and their interactions with Government Policies. The focus covers – how policy affects/influences/impacts Agriculture, Food security, and Nutrition as well as other social and economic development indicators for instance Gender roles, Climate change, Household income, Rural development etc. in Uganda. I am using both the Uganda National Panel Survey (UNPS), and the Uganda National Household Survey (UNHS) data. ALSO: during the same tenure, I volunteered (paid) with documenting, Impacts, Case Studies, and Policy Briefs (form various monitoring and evaluation efforts) on various climate change projects at the Global Environment Facility (GEF) Small Grants Programme (SGP) at the United Nations Development Programme (UNDP) in Uganda. Subjects covered range from; climate change adaptation, and mitigation measures; biodiversity conservation, national resources preservation, land degradation, and others that are implemented locally, but aiming towards global impacts for instance carbon sequestration, safe international waters, and others.

More previously with Food and Agriculture Organization of the United Nations (FAO), while based at IITA – Abuja station; I have been working with CGIAR centers in Nigeria, and National Agricultural Research Systems (NARS) on identifying key CGIAR crop and livestock technologies/varieties released overtime in Nigerian Farming Systems, as well as assessing important Natural Resource Management (NRM) practices and innovations; – that involve strategic water conservation and use in agriculture, weed management in cassava and sorghum farming systems, pests and diseases (crop and livestock) control, and Integrated Soil Fertility Management (ISFM) measures – mostly in sorghum farming systems, with ICRISAT. Assignments have also involved qualitative and quantitative assessment of the social and economic welfare impacts (agricultural productivity, nutrition, income, climate change, gender roles etc.) of identified technologies/innovations in

Nigeria, and other Sub – Saharan Africa (Ethiopia, Uganda, Malawi, and Tanzania – collaborating with colleagues stationed in these countries, and scientists at various CGIAR centers). Such Assessments have been done using very large national panel surveys collected by national statistics bodies in collaboration with the World Bank’s Living Standards Measurement Study – Integrated Survey on Agriculture (LSMS – ISA) component. The Nigeria panel data, where I was spearhead covered about 5,000 households and a baseline of about 20,000 households. Through collaborating colleagues, we prioritized ISFM works in Ethiopia – looking at soil organic matter measurement, and its content across selected regions, soil organic matter cover’s thickness assessment, seasonal disparities of such thickness, and other properties – that would affect crop technologies’ performance within Ethiopian Farming Systems. In Uganda, we generally assessed poverty dynamics across regions, and poverty indicators; and how these predicted Nutrition security dynamics. In Malawi, efforts were largely centered on ISFM measures – mainly focusing on fertilizer use, modes of fertilizer access, and application. In Nigeria and Tanzania, efforts largely dwelled on CGIAR priority crop and livestock technologies, and NRM practices’ identification. The schedule extended to Assessment of Adoption and social welfare Impacts (Nutrition, Productivity, Poverty, Gender roles, Incomes, Market participation, Climate change etc.) of these technologies, and NRM innovations.

Previously – While in Germany at the University of Goettingen, 2014 – 2017, I worked on coffee farming systems’ smallholder households’ participation in modern food supply chains, and its impacts on income, nutrition, poverty, gender roles, and rural development. In works that have been published in “*Food Policy*” and “*Agricultural Economics*” journals in 2017, we qualitatively and quantitatively assessed how these welfare indicators are impacted on, amongst Uganda’s coffee farming smallholder households, with regards to Information Communications Technologies (ICTs) – in particular; Mobile Money Services use, and Mobile Phone use in general.

Education:

Ph.D. in International Agricultural Sciences (focusing on Research in Transformation of Global Agri – Food Systems), majoring in Agricultural Economics and Rural Development, at Chair of International Food Economics and Rural Development, Department of Agricultural Economics and Rural Development, University of Goettingen – Germany (14th July 2017). Ph. D research was competitively funded by the German Research Fund (DFG) and stipend by the German Academic Service Exchange (DAAD). Ph.D. Thesis “*Mobile Phone Technologies and their Impacts on Household Welfare and Rural Development in Uganda*”

M.Sc. in Agricultural and Applied Economics, majoring in Agricultural Policy Analysis, from the School of Agricultural Sciences, Makerere University – Uganda (21st January, 2014). M.Sc. Thesis in collaboration with IDRC (International Development Research Centre based in Canada) “*Determinants of adoption of ICT-based market information services by smallholder farmers and traders in Mayuge District, Uganda*”

University Of Pretoria, Pretoria (RSA) – Shared Facility for Elective Courses, Collaborative M.Sc. in Agricultural and Applied Economics (CMAAE) – supported by AERC: (Semester abroad in 2010)

B.Sc. in Agriculture (Majoring in Agricultural Economics), School of Agricultural Sciences, Makerere University – Uganda (19th January, 2009). Other major subjects included; Crop Science, Soil Science, Animal Science, and Extension Education.

UACE – Uganda Advanced Certificate of Education, Kibuli Secondary School, Kampala – Uganda, (November 2003). Subjects included; Biology, Chemistry, Physics, and Arabic Language

UCE – Uganda Certificate of Education, Kibuli Secondary School, Kampala – Uganda, (2001). Main Subjects included; Biology, Chemistry, Physics, Geography, Mathematics, History, English language, Arabic Language, Accounts, and Religious Education.

Professional Work Experience:

Currently, since 06/2019 – date: **Postdoctoral Fellow, Agri-Food Systems Scientist**, International Institute of Tropical Agriculture (IITA) – Rwanda. Working on mapping, analyzing, and optimizing of Agri-Food systems (value chains, nutrient flows, and waste management) in Cassava food systems in Rwanda, and coffee systems in Democratic Republic of Congo.

Since 05/2018 – 05/2019: **Consulting Research Fellow**, African Economic Research Consortium (AERC), working on establishing the impact of government policy on the nexus of Agriculture – Food security, and Nutrition in Uganda and Nigeria. More specifically, we establishing how policy influences farm production diversity, and consequently Food Security, and Nutrition in Uganda, and Nigeria.

Since 06/2017 – 04/2018: **Research Associate**, Food and Agriculture Organization of the United Nations (FAO) & CGIAR Independent Science & Partnership Council (ISPC), working with the Standing Panel on Impact Assessment (SPIA) to identify key crop and livestock technologies and NRM (Conservation Agriculture, and ISFM) innovations in Nigeria, and assessing welfare impacts (agricultural productivity, nutrition, income, gender roles etc.) of these technologies and innovations.

Since 07/2014 – 06/2017: **Research Associate**, Research Training Group Global-Food, focusing on Research in Transformation of Global Agri – Food Systems, at the Department of Agricultural Economics and Rural Development, Georg-August-University Goettingen, Germany; working on welfare impacts (off-farm incomes, nutrition, and gender roles) of mobile phone use for coffee farming systems' smallholder households in Uganda.

01/2014 – 05/2014: **Research Assistant**, IFPRI (International Food Policy Research Institute), Uganda; On Policy Action for Sustainable Intensification of Crop Systems in Uganda (PASIC) Project. PASIC, was an IITA led project investigating intensification of coffee and other cropping systems in Uganda. Although, I left for my PhD in Germany, I continued sharing PASIC progresses with colleagues at IFPRI and IITA Uganda offices.

08/2013 – 11/2013: **Assisting Consultant**, CIAT (International Center for Tropical Agriculture), Uganda; On Impact Assessment of Improved Bean Varieties Adoption in Ethiopia. We assessed determinants for adoption on bio fortified beans with enhanced nutrition benefits, which had been released in Ethiopia.

10/2012 – 04/2014: **Intern and Principal Researcher**, African Economic Research Consortium (AERC) – Kenya; on an ex-ante impact assessment of transgenic cassava varieties (TCVs) that are resistant to cassava brown streak disease (CBSD) and cassava mosaic disease (CMD) in Uganda (Northern and Central) and Kenya (Western). We assessed viability of commercial release of TCVs in Uganda and Kenya, and attributes that would drive consumer preferences for these varieties. We also assessed willingness to pay for these varieties by farmers, and willingness to trade in TCV by traders; compared to local varieties or other improved varieties that were susceptible to CBSD and CMD. TCVs' release costs were also considered, as well as a comprehensive assessment of several components of the cassava value chain in the two countries.

03/2013 – 09/2013: **Team Member and Research Assistant**, (IFPRI-Uganda & United Nations University – World Institute for Development Economics Research (UNU-WIDER) – Finland; On the Growth and Poverty Project (GAPP) using Uganda National Panel Survey (UNPS), Uganda National Household Survey (UNHS), and Living Standards Measurement Study – Integrated Surveys on Agriculture (LSMS – ISA) data. We re-estimated both food and non-food poverty lines taking into consideration regional differences (culture, staple foods, preferences, and location), and generated utility consistent poverty lines, that would more appropriately portray region specific food consumption/nutrition/poverty levels, other than common national lines; also covering the rural – urban nexus.

06/2010 – 09/2012: **Research Assistant and MSc Student**, Makerere University, and International Development Research Centre (IDRC), Kampala – Uganda. We worked on assessment of how Information Communication Technologies (ICT) enhanced Agro farmers and traders' Market Information Systems (MIS) with services like weather updates, prices updates, farmer groups' updates, farmers' enquiries etc. via mobile apps or short messages, or calls on farmers' mobile phones. The project covered six countries.

07/2009 – 07/2010: **Credit Officer**, PEARL Micro Finance Ltd. I was mostly tasked with Analyzing business performances, and assessing such businesses for appropriate loan disbursements or advising otherwise. I would also be responsible for monitoring and evaluating business performances to ensure repayment of loans.

Research interests:

- Rural Development, Agribusiness, Agricultural Economics, and Food Policy
- Agricultural Technologies Assessment, their Adoption, and Impact
- Agricultural Economic Development, Food security, Gender roles, Nutrition, and Poverty
- Agricultural Commodities' Production, Marketing and Markets
- Agro – Food Systems, and Climate Change

Languages:

Luganda (mother tongue), English (Excellent), German (fair: Level, B-1 from CDC-Cologne), Arabic (fair), Swahili (fair)

Publications:

a. Journal Articles:

- 1) Sekabira, H., Nalunga, S. (2020). Farm Production Diversity: Is it Important for Dietary Diversity? Panel Data Evidence from Uganda. *Sustainability*, 12(3), 1028
- 2) Sekabira, H., and Qaim, M., (2017). Can mobile phones improve gender equality and nutrition? Panel data evidence from farm households in Uganda, *Food Policy*, 73: 95 – 103
- 3) Sekabira, H., and Qaim, M., (2017). Mobile Money, Agricultural Marketing, and Off-Farm Income in Uganda. *Agricultural Economics*, 00: 1 – 15
- 4) Sekabira, H., (2013). Capital Structure and Its Role on Performance of Microfinance Institutions: The Ugandan Case. *Journal of Sustainable Agricultural Research*, 2(3): 86 – 100
- 5) Sekabira, H., Bonabana, W. J., and Asingwire, N., (2012). Determinants for Adoption of Information and Communications Technology (ICT)-Based Market Information Services by Smallholder Farmers and Traders in Mayuge District, Uganda. *Journal of Development and Agricultural Economics*, 4(14): 404-415

b. Book Chapters:

- 1) Van Campenhout, B., Sekabira, H., and Nattembo, F., (2017). Uganda: A New Set of Utility-Consistent Poverty Lines. In Arndt, C., and Tarp, F., (Eds.), *Measuring Poverty and Wellbeing in Developing Countries*, (pp. 139-161). Oxford University Press, Oxford, United Kingdom
- 2) Van Campenhout, B., Sekabira, H., and Aduayom, H. D., (2016). Poverty and its Dynamics in Uganda – Explorations Using a New Set of Poverty Lines. In Arndt, C., McKay, A., and Tarp, F., (Eds.), *Growth and Poverty in Sub-Saharan Africa*, (pp. 138 – 160). Oxford University Press, Oxford, United Kingdom
- 3) Taylor, J. N., Sekabira, A. H., Sibiko, W. K., Bua, A., and Lynam, K. J., (2015). Disease-resistant GM cassava in Uganda and Kenya during a pandemic. In Mitton, J. P., and Bennett, J. D., (Eds.), *Analyses: Africa's Future ... Can Biosciences Contribute?* (pp. 76 – 85). Banson/B4FA, Cambridge, United Kingdom

c. Theses

- 1) Sekabira, H., (2017). Mobile Phone Technologies and their Impacts on Household Welfare and Rural Development in Uganda. Ph. D Thesis. University of Goettingen, Goettingen – Germany
- 2) Sekabira, H., (2012). Determinants for Adoption of ICT-based Market Information Services by Smallholder Farmers and Traders in Mayuge District, Uganda. MSc. Thesis. Makerere University, Kampala – Uganda.

d. Technical Reports

- 1) Kosmowski, F., Ilukor, J., Johnson, N., Sekabira, H., Stevenson, J. & Wambugu, S. (2019). A Country-Level Approach for Tracking the Diffusion of Agricultural Innovations in Developing Countries, Technical Note N.7. Rome: Standing Panel on Impact Assessment (SPIA).
- 2) Sekabira, H., Nalunga, S. (2019). Farm Production Diversity: Is it Important for Food Security, Dietary Diversity, and Nutrition? Panel Data Evidence from Uganda and Nigeria. African Economic Research Consortium (AERC), Nairobi – Kenya
- 3) Sekabira, H., A, S. Wandera, and J, B. Kaddu., (2018). Communities and Strategies against Climate Change in Arid Regions of Northern Uganda. GEF-SGP-UNDP, Kampala, Uganda.
- 4) Sekabira, H., Mugisha, J., Kakuru, W., Turyahabwe, N., (2014). Trade-offs to Wetlands Control and Management in Uganda: A Multi-Objective Decision Analysis Approach. Makerere University Kampala

e. Working/Discussion papers:

- 1) Sekabira, H., Nalunga, S. (2019). Farm Production Diversity: Is it Important for Energy and Micronutrient intake? Panel Data Evidence from Uganda. African Economic Research Consortium (AERC), Nairobi – Kenya
- 2) Sekabira, H., and Qaim, M., (2017). Can Mobile Phones Improve Gender Equality And Nutrition? Panel Data Evidence from Farm Households in Uganda. GlobalFood Discussion Paper No. 95, University of Goettingen, Germany.
- 3) Sekabira, H., and Qaim, M., (2016). Mobile Money, Agricultural Marketing, and Off-Farm Income in Uganda. GlobalFood Discussion Paper No. 82, University of Goettingen – Germany
- 4) Van Campenhout, B., Sekabira, H., and Nattembo, F., (2015). Uganda – A New Set of Utility-Consistent Poverty Lines. WIDER working paper 129, UNU – WIDER, Helsinki – Finland

- 5) Van Campenhout, B., Sekabira, H., and Aduayom, H. D., (2014). Consumption Bundle Aggregation in Poverty Measurement: Implications for Poverty and its Dynamics in Uganda. WIDER working paper 150, UNU – WIDER, Helsinki – Finland
- 6) Sekabira, H., Mugisha, J., Kakuru, W., Turyahabwe, N., (2014). Assessment of Alternatives for Wetlands’ Control and Management in Uganda: a Multi-Objective Decision Analysis Approach. Makerere University Kampala, Uganda

f. Papers at analysis/writing stage:

- 1) Sekabira, H., Meemken, E., and Qaim, M., (forthcoming). Child Anthropometry and General Household Welfare among Smallholder Farmers in Uganda. GlobalFood, University of Goettingen, Germany.
- 2) Sekabira, H., Stevenson, R, J. (forthcoming). A Documentation of key CGIAR Priority Crop – Livestock Technologies, and Natural Resource Management Innovations for Nigeria, SPIA – ISPC, Abuja, Nigeria
- 3) Sekabira, H., Sebatta, C., Sibiko, W. K., Lynam K. J., Bua, A., Taylor, N., Fauquet, C., (2018). An Ex-Ante Economic Impact Assessment for Adoption of Transgenic Cassava Varieties in East Africa. University of Goettingen, Germany.

Presentations and Conferences:

- 1) Sekabira H, and Qaim M, “Can mobile phones improve gender equality and nutrition? Panel data evidence from farm households in Uganda”, European Association of Agricultural Economists (EAAE), Congress, in Parma, August 28th - September 1st 2017
- 2) Sekabira H, and Qaim M, “Can Mobile Phones Improve Gender Equality and Nutrition? Panel Data Evidence from Farm Households in Uganda”, Plenary session presentation at the GlobalFood Symposium, Goettingen – Germany, 27th – 29th, April, 2017
- 3) Van Campenhout B, Sekabira H and Aduayom H. D, (2016). Poverty and its Dynamics in Uganda: Explorations Using a New Set of Poverty Lines. World Bank Conference on Use of LSMS Data for Research and Policy, Dar es Salaam – Tanzania, 7th – 8th February, 2017
- 4) Sekabira H and Qaim M, “Mobile Money, Agricultural Marketing, and Off-Farm Income in Uganda”. The 5th Triennial conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, 23rd – 27th September, 2016.
- 5) Sekabira H and Qaim M, “The Impact of Mobile Phones on Diet and Poverty among Smallholder Farming Households in Uganda”. The Independent Science and Partnership Council (ISPC) of CGIAR, Science Forum on ‘Nutrition and Health Outcomes: Targets for Agricultural Research’, Bonn – Germany, 23 – 25, Sept, 2013.
- 6) Van Campenhout B, Sekabira H and Aduayom H. D, (2013), “The Role of Price and Consumption Bundle Aggregation in Poverty Measurement: A Reassessment of Poverty in Uganda”. UNU-WIDER Conference on: ‘Inclusive Growth in Africa, Measurements and Consequences’ in Helsinki – Finland, 20 – 21, Sept, 2013.
- 7) Sekabira H, “Capital structure and its role on sustainability of micro finance institutions – the case of Uganda”, CGIAR-Uganda seminar, April 10, 2013.
- 8) Sekabira H, Bonabana J and Asingwire N, “Determinants for Adoption of ICT-Based Market Information Services by Smallholder Farmers and Traders in Mayuge District, Uganda” The International Association of Agricultural Economists (IAAE) Triennial Conference, Fozdo Iguacu, Brazil, 8-24 August, 2012.
- 9) Participant at 3rd triennial conference of the Association of African Agricultural Economists (AAAE) in Cape Town, South Africa in, 2010.
- 10) Participant AERC-CMAAE Thesis dissemination workshop, July, 2012, Kampala, Uganda

Projects’ Participation and Involvement:

- 1) Coffee Farming Systems Smallholder Farmers’ Participation in Modern Supply Chains and Impacts on Income, Poverty, and Development – Household data collected in Uganda between April – July, 2015. GlobalFood Research Training Group, University of Goettingen, Germany
- 2) Policy Action for Sustainable Intensification of Crop Systems in Uganda – IFPRI, 2014
- 3) Economic Impact Assessment of Adoption of Improved Bean Varieties in Ethiopia-CIAT, 2013
- 4) An Ex-Ante Economic Impact Assessment of Transgenic Cassava Varieties in East Africa, 2012 – 2014, funded by Templeton Foundation through AERC executed in Northern and Central Uganda, as well as Western Kenya
- 5) The Growth and Poverty Project (GAPP) using Living Standards Measurement Study – Integrated Surveys on Agriculture (LSMS – ISA) data, under IFPRI and UNU-WIDER, 2013
- 6) Evaluation of the “Equitable & sustainable access to wealth among households in Uganda”-VEDCO, 2012

- 7) Performance of the Heifer program to determine the effectiveness and the sustainability of the program in Uganda - , Heifer International, 2012
- 8) The Effect of rising Food prices on Household Welfare in Uganda -Oxfam, 2011
- 9) Effectiveness of ICTs for farmers' market access in Uganda -IDRC, 2011
- 10) Evaluation of Gender for Growth, by the National Union of Coffee Agribusiness and Farming Enterprises (NUCAFE), in Uganda -abi-Trust, 2011 - 12
- 11) Economic effect of Banana Bacterial Wilt (BBW) in Uganda - Michigan University, 2011
- 12) Factors influencing adaptation measures used by smallholder farmers against Climate Change in the Teso region of Uganda -Makerere University, 2011
- 13) Profitability of Poultry (Layers) in Wakiso District of Uganda- Makerere University, 2008

Memberships to Professional bodies:

- 1) International Association of Agricultural Economics since 2012
- 2) African Association of Agricultural Economists since 2010
- 3) Agricultural and Applied Economics Association, since 2017

Research visits:

- 1) University of Pretoria, South Africa – September, 2013
- 2) Tufts University , United States – April, 2014

Administrative Responsibilities:

- 3) Chairperson, Post-graduate Students' Residence, Makerere University, 2010
- 4) Member University Council, Makerere University Kampala, 2007
- 5) President, Uganda Young Democrats, Makerere University, 2006
- 6) Vice President, Students' Guild, Makerere University, 2007
- 7) Head, Students' Body, Kibuli Secondary School, 2003
- 8) Deputy Head, Students' Body, Kibuli Secondary School, 2001

Referees:

- 1) Dr. James R Stevenson – My Supervisor at FAO Nigeria
Agricultural Research Officer, United Nations Food and Agriculture Organization, Rome;
Senior Resident Scholar, Innovations for Peace and Development / LBJ School of Public Affairs,
University of Texas at Austin
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- 2) Prof. Dr. Matin Qaim – My PhD Supervisor in Germany
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Goettingen – Germany
- 3) Dr. Bjorn Van Campenhout – My Supervisor at IFPRI – Kampala
International Food Policy Research Institute (IFPRI)
Tel: +32488147073
Email: b.vancampenhout@cgiar.org
Kampala – Uganda

I **Haruna Sekabira** certify to the best of my knowledge that all information stated above is true.

June 9th – 2020, at Kampala, Uganda