

Wondimagegn Tesfaye

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Education

- Sept. 2014 – March 2019 **Ph.D. in Economics, UNU-MERIT & Maastricht University, Netherlands**
Dissertation: *Essays on the Impacts of Climate-smart Agricultural Innovations on Household Welfare*
Supervisors: Prof. Dr. Théophile Azomahou & Dr. Nyasha Tirivayi
- October 2008 – 2010 **M.Sc. in Agricultural Economics, Haramaya University, Ethiopia**
Thesis: *Determinants of Farm Diversification and Households' Production Decisions under Risk in Ethiopia.*
- Dec. 2002 – July 2006 **B.Sc. in Agribusiness Management, Haramaya University, Ethiopia**
Distinction
Essay: *Correlates of households' participation in livestock marketing*

Work and Professional Experience

- May 2019 – present **Poverty Economist (E T Consultant), World Bank Group, Ethiopia**
Main duty is to support the work program of the Poverty & Equity Global Practice (PGP) in Ethiopia.
Specific duties include: (1) supporting with the analytical work program i.e., conducting high-quality empirical analysis on topics related to poverty, employment and labor markets, and agricultural productivity, and draft the write-up of the empirical results, and contribute to the completion of the final reports, policy briefs and other country specific outputs(2) the operational work program, and (3) the policy dialogue in Ethiopia.
- September 2015 - March 2019 **Research Assistant/Consultant, UNU-MERIT, Netherlands**
October 2018 – December 2018: Lead Econometrician/Data analyst and field monitor for a School Meals Programme (SMP) in Malawi commissioned by the World Food Programme (WFP).
October 2017 – March 2018: Lead Econometrician/Data analyst for a Cash-based transfers project as part of voucher-in-kind mixed modality transfers for refugees in Kakuma refugee camp of Kenya. The project is implemented by World Food Programme (WFP).
November 2015 – March 2016: Lead Econometrician/Data analyst and quantitative survey supervisor for evaluation of a DFID/CARE International funded project titled: Emergency cash first response to drought affected areas of Zimbabwe through Mobile Cash Transfers.
Duties in all projects: Participated in project proposal development and inception report preparation; lead quantitative survey tools development; supervises data collection in the field and data management; lead data analysis; and assist final evaluation report writing.

Work and Professional Experience (continued)

- September 2006 – 2014 **■ Lecturer and Researcher, Haramaya University, Ethiopia**
Main duties: (1) teaching undergraduate courses: Introduction to Economics, Introduction to Statistics, Econometrics and Statistical Softwares (SPSS and STATA), Mathematics for Economists, Business Mathematics, Agricultural Finance, Farm management; supervising essays of undergraduate students; teaching continuing and extension program students; (2) Coordinating Agricultural Economics program, research activities of the School of Agricultural Economics and Agribusiness; (3) Engaging in research and community services.
- September 2013 – 2014 **■ Part-time researcher, DMISS PLC., Addis Ababa, Ethiopia**
Duties: project proposal development, administering surveys, data analysis and reporting, provision of training for different organizations.
- Dec. 2012 – Feb. 2013 **■ Consultant, Agency for Cooperation & Research in Development (ACORD) — Dire Dawa, Ethiopia**
Tasks: Preparation of SPSS training manual; training on Data Management and Analysis using SPSS; supervising research on Women Empowerment and report preparation.

Publications

Journal Articles

- 1 Tesfaye, W. & Tirivayi, N. (2020). Crop diversity, household welfare and consumption smoothing under risk: evidence from rural uganda. *World Development*, 125, 104686.
doi:<https://doi.org/10.1016/j.worlddev.2019.104686>
- 2 Haile, K., Tirivayi, N., & Tesfaye, W. (2019). Farmers' willingness to accept payments for ecosystem services on agricultural land: the case of climate-smart agroforestry in ethiopia. *Ecosystem Services*, 39, 100964.
- 3 Gebremariam, G. & Tesfaye, W. (2018). The heterogeneous effect of shocks on agricultural innovations adoption: microeconomic evidence from rural ethiopia. *Food Policy*, 74, 154–161.
- 4 Tesfaye, W. & Tirivayi, N. (2018). The impacts of postharvest storage innovations on food security and welfare in ethiopia. *Food Policy*, 75(100), 52–67.
- 5 Tirivayi, N., Nennen, L., Tesfaye, W., & Ma, Q. (2018). The benefits of collective action: exploring the role of forest producer organizations in social protection. *Forest Policy and Economics*, 90, 106–114.
- 6 Tesfaye, W. & Seifu, L. (2016). Climate change perception and choice of adaptation strategies: empirical evidence from smallholder farmers in east ethiopia. *International Journal of Climate Change Strategies and Management*, 8(2), 253–270.

Papers under review

- Consumption smoothing and price enhancement motives for grain storage: Empirical perspectives from rural Ethiopia (forthcoming in *Agricultural and Food Economics*)
- Climate-smart Innovations and Rural Poverty in Ethiopia: Exploring Impacts and Pathways (with Garrick Blalock and Nyasha Tirivayi - Revise and Resubmit - *American Journal of Agricultural Economics*)

Papers under review (continued)

- Extension Service and Modern Agricultural Input Use in Ethiopia, with Gebrelibanos G. (Under review - *Heliyon*)

Work in Progress

- Crop diversity, household nutrition and child growth in rural Ethiopia [Financial support from Bill and Melinda Gates Foundation (BMGF) through the African Economic Research Consortium (AERC)]
- Sustainable Agricultural Practices and Reliance on Environmental Resources: Empirical Evidence from Northern Ghana (with Gebremariam G. and Wünscher T.)
- Diet change and farm employment: Evidence from Ethiopia (with Michael D.)
- Price movements around industrial parks in Ethiopia (with Koen and Brandon)
- Distributional impacts of taxes and public expenditures in Ethiopia: A Fiscal Incidence Analysis (with Jia Gao)
- Market access, consumption smoothing and welfare: Evidence from Ethiopia (with Gebrelibanos G. and Aemro T.)

Technical reports and Policy briefs

- Nyasha Tirivayi, Prosper Matondi, Sonila Tomini, **Wondimagegn Tesfaye**, Sheila Chikulo & Claudia van den Berg Morelli (2016). *Humanitarian Assistance through Mobile Cash Transfers: Evaluation of the Emergency Cash-First Response to food security in drought-affected communities in Southern Zimbabwe through a mobile cash transfer project, Commissioned by CARE International and DFID in Zimbabwe*. CARE Zimbabwe and UNU-MERIT.
- Nyasha Tirivayi, **Wondimagegn Tesfaye**, Sonila Tomini, Cristy McLennan, David Rinnert & Mira Gratier (2016). *Emergency Cash-First Response to Drought-Affected Communities in the Southern Provinces of Zimbabwe – Impact Evaluation Findings*. A policy brief based on the evaluation report titled Humanitarian Assistance through Mobile Cash Transfers: Evaluation of the Emergency Cash-First Response to food security in drought-affected communities in Southern Zimbabwe through a mobile cash transfer project.
- Nyasha Tirivayi, Sonila Tomini, **Wondimagegn Tesfaye**, Nancy Nafula, Carolyne Egesa, Collins Mwangi, Francesco Iacoella, & Alexander Hunns (2017). An evaluation of the effects and a cost benefit analysis of the GFD Cash Modality scale up (Cash Based Transfers for PRRO 200737) for refugees and host communities in Kakuma and Dadaab refugee camps in Kenya. World Food Programme and UNU-MERIT.
- Nyasha Tirivayi, Augustine Kamlongera, Sonila Tomini, **Wondimagegn Tesfaye**, Rumbidzai Ndoro, Francesco Iacoella, Alexander Hunns (2018). *Evaluation of the School Meals Programme in Malawi with financial support from United States Department of Agriculture (USDA) Fiscal Year 2016 to 2018*. World Food Programme and UNU-MERIT.

Conference presentations

- Climate-smart Innovations and Rural Poverty in Ethiopia: Exploring Impacts and Pathways, CSAE 2019 Conference, Oxford, UK
- June 2017 · The Welfare and Risk Management effects of Crop diversity: Empirical evidence from rural Uganda, UNU-MERIT Internal Conference, Maastricht, the Netherlands
- July 2017 · Climate-smart Innovations, Adaptive Capacity and Poverty Dynamics, STAARS Seminar, Cornell University, U.S.A.
- December 2017 · Conservation Agriculture, Farm Productivity and Adaptive Capacity, STAARS Workshop at the African Development Bank Head Quarters, Abidjan, Côte d'Ivoire [Poster]

Skills

- Languages
 - English - strong reading, writing and speaking competencies
 - Swahili - Basic (some words and phrases)
 - Amharic - mother tongue
- Computer & Software
 - STATA, SPSS, GAMS, R, L^AT_EX, Tangerine, CAPI (ODK), ArcGIS, SAS, Excel
- Miscellaneous
 - Academic research, teaching, training, coordinating, consultation, and publishing.

Research interests and expertise

- Expertise
 - Impact evaluation, Microeconometrics (cross sectional and panel data), Mathematical Modeling, Fiscal Incidence Analysis, Qualitative surveys, Data Management, Scientific Writing
- Research interest
 - Development and Agricultural Economics with a focus on: Climate-proofing technologies and their impact on household welfare and adaptive capacity; Food and nutrition security (including child growth); Poverty dynamics; Agricultural innovations and social networks; Information technologies in Agriculture; Risk management; Financial inclusion; Social protection; Fiscal Incidence Analysis.

Country experience

- Ethiopia, Kenya, Zimbabwe, Malawi, Netherlands, USA

Awards and Achievements

- 2014 ■ **UNU-MERIT PhD fellowship**, Fellowship to pursue PhD in Economics and Policy Studies of Technical Change at UNU-MERIT & Maastricht University.
- 2017 ■ **Structural Transformation of African Agriculture and Rural Spaces (STAARS) fellowship at Cornell University**, financial support from the CGIAR Research Program on Policies, Institutions, and Markets (PIM).

Journal Review Services

- World Development, Food Policy, Climatic Change, Food Security, Journal of African Development, Journal of Evolutionary Economics, Ecological Economics

References

▀ **Dr. Nyasha Tirivayi**

Researcher, UNU-MERIT, The Netherlands

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▀ **Prof. Dr. Théophile Azomahou**

Professorial fellow, UNU-MERIT, The Netherlands

Professor of Development Economics at Maastricht University

✉ azomahou@merit.unu.edu

▀ **Dr. Tom Bundervoet**

Senior Economist, World Bank Group

✉ tbundervoet@worldbank.org

▀ **Christina Wieser**

Senior Economist, World Bank Group

✉ cwieser@worldbank.org

▀ **Prof. Christophore Barrett**

Deputy Dean and Dean of Academic Affairs, College of Business

Stephen B. & Janice G. Ashley Professor of Applied Economics and Management

International Professor of Agriculture, Charles H. Dyson School of Applied Economics and Management

Professor of Economics, Department of Economics

Faculty Fellow, David R. Atkinson Center for a Sustainable Future Cornell University

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