Application:
Robert Summers Fellowship on Economic Measurement for Summer Institute 2023

Kassu W. Hossiso
Bureau of Economic Analysis, U.S. Department of Commerce
4600 Silver-Hill Rd. Suitland, MD 20746
Cell: (269) 267-6838, Office: (301) 278-9496,
Email: kassu.hossiso@bea.gov; kassu.wamisho@gmail.com
Website: https://sites.google.com/view/kassuhossiso-com

Summary of Expertise and Current Research Interests in Economic Measurement

I'm a Research economist at Bureau of Economic Analysis (BEA), the U.S. Department of Commerce. My current research focus and interest are on international trade, U.S. Multinational Enterprise (MNEs), foreign direct investment (FDI), and global value chain (GVC) based on firm-level analysis.

For the last six years at BEA, I've been conducting research towards improvement and enhancement of the measurement of U.S. MNEs activities related to direct investment in international economic accounts. In GVC project, I've deeply engaged in multi-year multi-agency microdata linking projects between U.S. Census Bureau and BEA that aimed at constructing of extended supply use tables (ESUTs) and trade in value added (TiVA) statics. In GVC project, I helped the construction and publication of the first experimental ESUT and TiVA statistics that accounted for firm heterogeneity. I'm currently working in GVC project to broaden the microdata linking project by widening industry groups in the microdata and construct the full ESUTs and TiVA statistics by types of MNE, firm-size and export orientation of firm.

Along with those research projects, I've been conducting research to distinguish private equity (PE) and venture capital parent companies in the BEA U.S. direct investment abroad (UDIA) data universe and then to explore how the activities and investment decisions of PE firms and venture capital might fundamentally differ from those of more traditional direct investors. In this project, I'm also evaluating the determinants of PE firm investment decisions and location choice using various econometrics approaches.

For production and publication of the annual and benchmark surveys on U.S. MNEs statistics, I reviewed firm level data on survey responses of outward MNE activities of U.S. parents and their affiliates and referred responses that appeared anomalous and outliers so that we could review the survey responses to improve the quality of MNE survey data. At BEA, I involved in the preparation of user guide and documentation for the Ownership-Based Framework of the U.S. Current Account tables. For direct investment revisions, I updated the historical averages of quarterly revisions to direct investment statistics and produced tables that compare the historical revisions of several components of direct investment income between the two preliminary estimates and first revised estimate

Overall, in the last six years, I updated and wrote over 10 annual articles on estimates of major component of U.S. inward and outward direct investment activities of MNEs as part of

BEA's effort to disseminate economic statistics on the activities of U.S. MNEs timely and accurately to wider user group.

Finally, renewable energy-economics, agribusiness investment and risk management are also part of my research portfolios. In addition, I've been conducting research in areas of international development related to agricultural productivity, food security, land tenure policies and agricultural marketing in Africa and Latin America.

Selected Publication

James J. Fetzer, Tina Highfill, Kassu Hossiso, Thomas F. Howells III, Erich H. Strassner, and Jeffrey A. Young (2021). "Accounting for Firm Heterogeneity within U.S. Industries: Extended Supply-Use Tables and Trade in Value Added using Enterprise and Establishment Level Data," The Challenges of Globalization in the Measurement of National Accounts," Edited by Nadim Ahmad, Brent Moulton, J. David Richardson, and Peter van de Ven, in NBER Book Series Studies in Income and Wealth.

James J. Fetzer, Tina Highfill, Kassu Hossiso, Thomas F. Howells III, Erich H. Strassner, and Jeffrey A. Young, "Understanding global value chains by accounting for firm heterogeneity in US production within industries." VoxEu, Jun 23, 2021.

Hossiso, Kassu W. (2017, 2018, 2019, 2020, 2021, 2022). "An Ownership-Based Framework of the U.S. Current Account, 2020," *Survey of Current Business*, Vol. 102, no. 2.

Hossiso, Kassu (2018, 2019). "Activities of U.S. Multinational Enterprises in 2017," *Survey of Current Business*, Vol. *99, no. 9.*

Hossiso, Kassu W., and David Ripplinger. (2017). " The Value of Switching Production Options in a Flexible Biorefinery," *Agricultural and Resource Economics Review*, Vol. 46(1), pp. 146-173.

Hossiso, Kassu W., Aaron De Laporte, and David Ripplinger (2017). " The Effects of Contract Mechanism Design and Risk Preferences on Biomass Supply for Ethanol Production," *Agribusiness: an International Journal*, Vol. 33 (3), pp. 339-357.

Hossiso, Kassu W., and David Ripplinger (2016). " Investment, Irreversibility, and Uncertainty in Energy Beet-Based Ethanol," *J. of Agricultural and Applied Economics*, Vol. 48 (4), pp. 403–429.

Wamisho, Kassu, David Ripplinger, and Aaron Leportee (2015)." Cost of joint Production of Industrial Sugar and Ethanol using Energy Beets in the Northern Plains of United States," *Biofuels, Bioprocessing and Biorefinery*, Vol. 9 (6), pp. 749–759.

Zenebe, Addisalem, Kassu Wamisho**,** and E. Wesley F. Peterson (2015). "The Impact of the African Growth and Opportunity Act (AGOA): An Empirical Analysis of Sub-Saharan Africa Agricultural Exports to the United States," *J. of International Agrl Trade & Devt,* Vol. 9(2), pp.165-188.

Working Papers under Progress

Hossiso, K (forth coming). Financial Constraints, Resource Abundance and U.S. Multinational Enterprises in Middle East and North Africa. Bureau of Economic Analysis (BEA).

Hossiso, K (forth coming). The Role of Private Equity Firms and Venture Capital in the U.S. Foreign Direct Investment Abroad. Bureau of Economic Analysis (BEA).

Hossiso, K (forth coming). The Determinants of Private Equity Firms Foreign Direct Investment Decisions. Bureau of Economic Analysis (BEA).