

Babatunde Abidoye

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Summary

High-achieving development economist possessing excellent analytical, leadership and communication capabilities. Devises innovative solutions to address global development policies and program challenges in areas of poverty and inequality.

Proven experience developing micro and macroeconomic models to inform policymakers globally to aid strategic plans for advocacy and research on SDG issues. Lead teams of economists and inter-disciplinary experts to analyze the impact of climate, environment and conflict shocks on the SDGs. Developed and mentored economists in different countries that have been trained on quantitative tools to understand environmental and agricultural policies.

Education

Economics and Statistics

Iowa State University of Science and Technology, Ames, Iowa
05/2010

- Doctor of Philosophy.
- Dissertation: Bayesian Inference in Modeling Recreation Demand.
- European Association of Environmental and Resource Economists (EAERE) award for excellent publication in the Journal of Environmental and Resource Economics (ERE) – only 4 awarded in 2012.

Economics

University of Ilorin, Ilorin
03/1999

Graduated Bachelor of Science with Honours

Best Student in Monetary and Fiscal Policies in Economics

Skills

- Strategic thinking and planning
 - Modeling in programming languages like MATLAB C++ and R
 - Creative problem solver
 - Stata
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Experience

London School of Economics and Political Science

Senior Visiting Fellow
09/2019 - Present

Lead the team of researchers that supported UNDP South Africa's country office on the socio-economic impact of COVID-19 at the Micro and Macro level. Specifically,

- Developed a microeconomic model of poverty dynamics to identify households that are vulnerable to COVID-19 shocks in South Africa and class of the society that will fall into poverty beyond the low income that current government support covers. Only support currently announced by the government is R50 billion to top-up social grants to the low income.
- Developed a Computable General Equilibrium (CGE) Model for South Africa to simulate the impact of COVID-19 on the macroeconomy of South African based on business as usual, optimistic, and pessimistic cases.

- Designed questionnaire for the socio-economic and psychological effects of COVID-19 in South Africa

Other research activities at Grantham Research Institute include research under different groups:

- Sustainable Researcher group focus on the practical challenges of implementing and delivering on the Sustainable Development Goals (SDGs), particularly around the synergies and trade-offs between them.
 - Modeling climate information and usage
 - Multi-hazard vulnerability assessment and micro insurance framework
- The Policy Design and Evaluation group analyzes the effectiveness and impacts of current and future climate and energy policies.
 - Analysis of Power Outage preference and Cost in Incomplete Scenarios.
- The Changing Behaviours research group provides insight on why and how people make decisions on climate-related activities, to help researchers, policymakers and businesses identify effective interventions to promote environmentally-friendly behaviours among citizens and firms.

Publications under review:

1. How much is tailored climate information worth? A Micro-Perspective from Zambia
2. Ecosystem based adaptation game (with S. Dissanayake, & S. Jacobson).
3. Climate Change and Household Welfare in Sub-Saharan Africa: Empirical Evidence from Swaziland.
4. Adoption and crop productivity impacts of sustainable agricultural and land management practices in Zambia. with (Alefa Banda).

George Mason University

Affiliate Professor, Fairfax, Virginia
02/2018 - Present

Lead Research on Environmental Science and Policy with publications in leading international journals.

Publications:

Tesfay, G. B., & Abidoye, B. (2019). Shocks in food availability and intra-household resources allocation: evidence on children nutrition outcomes in Ethiopia. *Agricultural and Food Economics*, 7(1), 3.

Yale University

Visiting Fellow, New Haven, Connecticut
01/2017 - 01/2018

Developed models on the economics of climate change adaptation globally. These models apply econometric techniques to understand the interaction between households and the environment and how policies can be used to change behavior.

Some of the publications in the economics of climate change adaptation research I have developed include:

1. Nonlinearity and uncertainty in climate change impact models: Generalizing the Ricardian Model. Under review.
2. Abidoye, B. O., Kurukulasuriya, P., & Mendelsohn, R. (2017). South-East Asian farmer perceptions of climate change. *Climate Change Economics*, 8(03), 1740006.
3. Abidoye, B. O., Kurukulasuriya, P., & Mendelsohn, R. (2017). Structural Ricardian analysis of South-East Asian agriculture. *Climate Change Economics*, 8(03), 1740005.

4. Reed, B., Mendelsohn, R., & Abidoye, B. O. (2017). The economics of crop adaptation to climate change in South-East Asia. *Climate Change Economics*, 8(03), 1740002.
5. Abidoye, B. O., Mendelsohn, R., Ahmed, S., Amanullah, S., Chasidpon, C., Baker, L., ... & Mungatana, E. (2017). South-East Asian Ricardian Studies: Bangladesh, Sri Lanka, Thailand, and Vietnam. *Climate Change Economics*, 8(03), 1740004.

World Bank

Consultant, Washington D.C., District of Columbia
01/2014 - 07/2016

Lead research in the Poverty Global Practice Group (Poverty Reduction and Economic Management Unit) and Trade & Competitiveness Group. The study was used as part of World Bank's country diagnostics in different countries including various trade, poverty and conflict analysis

- lead discussion on drivers of conflict in Haiti - "What drives conflict in Haiti? An empirical analysis in the 2000s" (with M. Cali and Evans Jadotte). Haiti: towards a new narrative systematic country diagnostic. May 2015. World Bank Group
- "Trade, Poverty and Peace in Mauritania" with (Massimiliano Cali). 2015. Submitted as a chapter for the diagnostic trade integration study (DTIS) for Mauritania.
- "Trade and poverty in Myanmar" with (Massimiliano Cali, and Monica Wihardja). 2015. Submitted as a chapter for the diagnostic trade integration study (DTIS) for Myanmar.
- World Bank Africa project on Poverty and Trade in Nigeria.
 - Neither perfect nor equal: Evidence on the dynamics of price transmission from Nigeria" with (Massimiliano Cali and Gonzalo Varela).
 - "Income shocks and conflict: Evidence from Nigeria" (with M. Cali). Published as World Bank Policy Research Working Paper No. 7213
- Research to support trade and development in Indonesia including analysis of rice prices in Indonesia.

University of Pretoria

Senior Lecturer (Assistant Professor), Hatfield
01/2012 - 03/2017

Responsible for reshaping agricultural research at the University of Pretoria through the Bill and Melinda Gates Research grant.

Teaching:

- Thought 3 classes - environmental economics, and two quantitative methods class for environmental and agricultural policy. This class teaches masters and PhD students across Eastern and Southern Africa on micro and macro econometric models to understand environmental and agricultural policies.
- Led the non-degree training on the introduction to environmental economics for policy makers in Africa.

Research:

During this period, multiple publications in leading international journals and partnership with international organizations like African Economic Research Consortium (AERC), UNDP, Global Water Partnership, the World Bank fostered. Supervised 3 PhD students and seven masters students and served as an examiner on many research projects in Africa.

Selected publications include:

1. Blick, M., Abidoye, B. O., & Kirsten, J. F. (2018). An investigation into food-away-from-home consumption in South Africa. *Development Southern Africa*, 35(1), 39-52.
2. Sacolo, T., & Abidoye, B. (2017). Are long-held beliefs and taboos on recycled water reducing in Southern Africa?. *Water Policy*. 19(6). 1172-1188.

3. Akpalu, W., Abidoeye, B., Muchapondwa, E., & Simbanegavi, W. (2015). Public disclosure for pollution abatement: African decision-makers in a PROPER public good experiment (No. 2015/060). WIDER Working Paper.
4. Adebola, S.O, Abidoeye, B.O, Ologe, F.E, Adebola, O.E and B.A. Oyejola. (2016) Health-Related Quality of Life and Its Contributory Factors In Allergic Rhinitis Patients In Nigeria. *Auris Nasus Larynx* 2016 Apr 20;43(2):171-5. Epub 2015 Aug 20.
5. "Temperature and Economic Growth in Africa: An Econometric Analysis" (with A. Odusola). 2015. *Journal of African Economies*.
6. Mandatory Costs by Firm Size Thresholds: Firm Location, Growth and Death in Sri Lanka (with Peter Orazem and Milan Vodopivec). 2014. *IZA Journal of Labor & Development*.
7. "The Transmission of World Maize Price to South African Maize Market: A Threshold Cointegration Approach" (with Marlene Labuschagne). 2014, *Agricultural Economics*.
8. "Adoption of Genetically Modified Crops in South Africa: Effects on wholesale maize prices" (with E. Mabaya). 2014, *Agrekon*.
9. "A Quantitative Assessment of the Effect of Financial Development on Poverty in African Countries." (with B. Fowowe) *The Manchester School*, 2013.
10. "A Unified Approach to Modeling Unobserved and Observed Site Characteristics in Random Utility Maximization (RUM) Model" (with J. Herriges and J. Tobias). *American Journal of Agricultural Economics*, 2012
11. "Model Uncertainty in Characterizing Recreation Demand." (with J. Herriges) *Environmental and Resource Economics*, 2012.
12. "U.S. Consumers' Valuation of Quality Attributes in Beef Products" (with H. Bulut, J. D. Lawrence and B. Mennecke)) *Journal of Agricultural and Applied Economics*, 2011.

United Nations Development Programme

Senior Economist Consultant

01/2017 - Present

Lead collaboration with partners (Green Climate Fund and academic partners) to apply impact evaluation techniques to measure impact of UNDP investments globally.

Lead capacity building and technical advice on integrated approaches to addressing complex development issues such as addressing climate change impact to UNDP COs, UN system, national and regional partners and external industry leaders.

Technical lead on UNDP's digital sprint signature project on Enhanced Data Solution for People, Planet and Prosperity. Transforming the way the wealth of data generated in UNDP is used for policy intervention and advisory services. One of six projects approved as part of UNDP digital transformation effort.

Technical lead on developing case studies and capacity building to policy makers on impact evaluation under the Integrating Agriculture in National Adaptation Plans (NAP-Ag) programme. The project worked with eleven countries to identify and integrate climate adaptation measures into national planning and budgeting processes, in support of achieving the Sustainable Development Goals and the Paris Agreement.

Technical lead on Economics of climate change adaptation programme. The Capacity Building Programme on addressed a consensus reached during a 2012 Regional Consultation that a more comprehensive approach to mainstreaming climate change risks into planning processes was needed to ensure economically-efficient climate change strategies at the sectoral, sub-national and national levels.

Iowa State University

Graduate Research Assistant, Ames, Iowa

07/2003 - 05/2010

Principal investigator (PI) on United States Environmental Protection Agency Competitive Grant: **Research on the Design of Policies for Pollution Control Using Market Mechanisms**, and

Data Gathering for Dissertation and Early Career Research on the Pollution Control Aspects of Environmental Economics. US Environmental Protection Agency Competitive Grant. 2009.

Languages

- English

- Basic French