# Andrew M. Simons

Department of Economics
Fordham University
441 E. Fordham Rd.
Bronx, NY 10458

Email: asimons5@fordham.edu
Web: andrewmsimons.com
Office: E-506 Dealy Hall
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## Employment

**Fordham University, Department of Economics**

Associate Chair, 2026 -
Associate Professor, 2022 -
Assistant Professor, 2016 - 2022

**Columbia University, School of International and Public Affairs**

Adjunct Associate Professor of International and Public Affairs, 2023 -
Adjunct Assistant Professor of International and Public Affairs, 2022

## Education

**Cornell University**, Applied Economics and Management, Ph.D., 2016.

**Harvard University**, Kennedy School of Government, M.P.A. in International Development, 2004.

**Taylor University**, Biology, B.A., *magna cum laude.*, 2001.

## Research Papers

### *Journal Articles*

Can Social Assistance Reduce Violent Conflict and Civil Unrest? Evidence from a Large-scale Public Works Program in Ethiopia. Kalle Hirvonen, Elia Axinia Machado, Andrew M. Simons. *accepted,* ***Economic Development and Cultural Change***

Perceptions, Quality, and Uncertainty in Ghanaian Fertilizer Markets. Seth Asante, Kwaw S. Andam, Andrew M. Simons. *forthcoming,* ***Journal of Development Studies***

Framework to Assess the Potential of Circular Food System Technologies. Clark Halpern, Katie Kennedy-Freeman, Christopher Barrett, Michiel van Dijk, Daniel Mason-D'Croz, Andrew M. Simons, Bart van Veen, Mario Herrero, Hannah van Zanten. ***Global Food Security***, (2024) 43: 100814.

Indigenous Bone Fertilizer for Growth and Food Security: A Local Solution to a Global Challenge. Andrew M. Simons, Milkiyas Ahmed, Garrick Blalock, Bourcard Nesin. ***Food Policy***, (2023) 114: 102396.

The Effects of Fuel-Efficient Cookstoves on Fuel Use, Particulate Matter, and Cooking Practices: Results from a Randomized Trial in Rural Uganda. Theresa Beltramo, Garrick Blalock, Stephen Harrell, David I. Levine, Andrew M. Simons. ***Energy Journal***, (2023) 44:6.

Plot Size Misperceptions and Soil Health: A New Research Agenda. David M.A. Murphy, Andrew M. Simons, Pieter Pypers, Meklit Chernet, Dries Roobroeck. ***Soil Security***, (2023) 13: 100117.

Bovine Lead Exposure from Informal Battery Recycling in India. Greg Ferraro, Bret Ericson, Andrew M. Simons, Emily Nash, Mohammed Kabir. ***Environmental Science and Pollution Research***, (2023) 30: 86122–86137.

More Than A Safety Net: Ethiopia's Flagship Public Works Program Increases Tree Cover. Kalle Hirvonen, Elia Axinia Machado, Andrew M. Simons, Vis Taraz. ***Global Environmental Change***, (2022) 75: 102549.

What is the Optimal Locus of Control for Social Assistance Programs? Evidence from the Productive Safety Net Programme in Ethiopia. Andrew M. Simons. ***Journal of Development Economics***, (2022) 158: 102897.

Profitability of Climate-Smart Soil Fertility Investment Varies Widely Across sub-Saharan Africa. Ellen McCullough, Julianne Quinn, Andrew M. Simons. ***Nature Food***, (2022) 3(4): 275-285.

Promoting Blood Donation through Social Media: Evidence from Brazil, India and the USA. Stephen Harrell, Andrew M. Simons, Peter Clasen. ***Social Science & Medicine***, (2022) 315: 115485.

Developing Sustainable Supply Chains: Evidence from Entrepreneurship Training in Ethiopia. Garrick Blalock, Bourcard Nesin, Andrew M. Simons. ***Africa Journal of Management***, (2022) 8(1): 36-58.

The Quest for Greener Pastures: Evaluating the Livelihoods Impacts of Providing Vegetation Condition Maps to Pastoralists in Eastern Africa. Elia Axinia Machado, Helene Purcell, Andrew M. Simons, Stephanie Swinehart. ***Ecological Economics***, (2020) 175: 106708.

Making Business Statistics Come Alive: Incorporating Field Trial Data from A Cookstove Study into the Classroom. Andrew M. Simons. ***Applied Economics Teaching Resources***, (2020) 2(2226-2020-1208): 76-86.

What Impedes Efficient Adoption of Products? Evidence from Randomized Sales Offers for Fuel-Efficient Cookstoves in Uganda. David I. Levine, Theresa Beltramo, Garrick Blalock, Carolyn Cotterman, Andrew M. Simons. ***Journal of the European Economic Association***, (2018) 16(6): 1850-1880.

Sensor Data to Measure Hawthorne Effects in Cookstove Evaluation. Andrew M. Simons, Theresa Beltramo, Garrick Blalock, David I. Levine. ***Data in Brief***, (2018) 18: 1334-1339.

Using Unobtrusive Sensors to Quantify and Minimize Hawthorne Effects: Evidence from Cookstoves. Andrew M. Simons, Theresa Beltramo, Garrick Blalock, David I. Levine. ***Journal of Environmental Economics and Management***, (2017) 86: 68-80.

What is a Meal?: Comparative Methods of Auditing Carbon Offset Compliance for Fuel-Efficient Cookstoves. Stephen Harrell, Theresa Beltramo, Garrick Blalock, Juliet Kyayesimira, David I. Levine, Andrew M. Simons. ***Ecological Economics***, (2016) 128: 8-16.

The Effect of Marketing Messages and Payment Over Time on Willingness to Pay for Fuel-Efficient Cookstoves. Theresa Beltramo, Garrick Blalock, David I. Levine, Andrew M. Simons. ***Journal of Economic Behavior & Organization***, (2015) 118: 333-345.

Does Peer Use Influence Adoption of Efficient Cookstoves?: Evidence from a Randomized Controlled Trial in Uganda. Theresa Beltramo, Garrick Blalock, David I. Levine, Andrew M. Simons. ***Journal of Health Communication***, (2015) 20(S1): 55-66.

Comparing Methods for Signal Analysis of Temperature Readings from Stove Use Monitors. Andrew M. Simons, Theresa Beltramo, Garrick Blalock, David I. Levine. ***Biomass and Bioenergy***, (2014) 70: 476-488.

Filling the Phosphorus Fertilizer Gap in Developing Countries. Andrew M. Simons, Dawit Solomon, Worku Chibssa, Garrick Blalock, Johannes Lehmann. ***Nature Geoscience***, (2014) 7(1): 3-3.

## *Working Papers*

The Ecology and Economics of Food Systems: Learning by Doing (and Volunteering). Andrew M. Simons, Dawn Fariello, Aleyna Rodriguez, Keisha Shay.

## *Works in Progress*

Multi-stressor Analysis of Pastoral Systems in North-Eastern Ethiopia. Elia Axinia Machado, Andrew M. Simons

## Grants

*Do Social Protection Programs Reduce Conflict? Evidence from a large-scale safety net program in rural Ethiopia*, CGIAR Research Program on Fragility, Conflict, and Mobility, $20,000, Co-investigator with Kalle Hirvonen, Elia Axinia Machado 2023

*The Environmental Impacts of Ethiopia's Productive Safety Net Programme*, CGIAR Research Program on Policies, Institutions and Markets, $63,000, Co-investigator with Kalle Hirvonen, Vis Taraz, Elia Axinia Machado 2020

*Plot Size, Information and Optimal Fertilizer Use in Kenya*, Fordham University Faculty Research Grant, $5,000 2019

*Data Science for Human Service Organizations*, Fordham University Interdisciplinary Research Award, $9,500, Co-investigator with Lauri Goldkind, Mamello Thinyane 2019

*Impact Evaluation of Satellite-Assisted Pastoral Resource Management Initiative in Ethiopia and Tanzania*, Project Concern International, funded by USAID, $88,000; and Fordham University Faculty Research Grant, $6,500 2017

*Leveraging the Commercialization of Animal Bone-Derived Biofertilizers to Create Entrepreneurship Opportunities for Landless Poor in Ethiopia*, Cornell's Einaudi Center for International Studies (awarded 2014), $8,000; and Cornell's Institute for Social Sciences, $12,000, Co-investigator with Garrick Blalock 2015

*Commercialization of Animal Bone-Derived Biofertilizers in Ethiopia*, International Food Policy Research Institute, $212,000, Co-investigator with Chris Barrett, Johannes Lehman, Garrick Blalock 2014

*Geo-Spatial Value Cost Ratio Policy Tool for Ethiopian Agriculture*, International Food Policy Research Institute, $138,000, Co-investigator with Chris Barrett, Josh Woodard 2014

*The Role of Local Discretion within National Transfer Programs*, Field-Based Research Grant, Food Systems and Poverty Reduction IGERT, Cornell University, $10,000 2014

*Alternative Fertilizers Using Indigenous Value Chains in Ethiopia*, Cornell's Atkinson Center for a Sustainable Future, $173,000, Co-investigator with Johannes Lehman, Garrick Blalock, Dawit Solomon 2012

## Teaching

*Agriculture and Sustainable Development* (masters level, Fordham University, course ECON 6460)

*Applied Econometrics* (masters level, Fordham University, course ECON 6910)

*Economic Development for International Affairs* (masters level, School of International and Public Affairs, Columbia University, course DVGO IA7300/INAF U6602)

*Ecology and Economics of Food Systems* (undergraduate level, Fordham University, interdisciplinary capstone course BISC/ECON 4035) - honorable mention (2025), Fordham University's James C. McGroddy Award for Innovation in Education

*Justice II: Global Contexts* (undergraduate honors program, Fordham University, course focusing on food security, economic development, and sustainability, course HPRH 2201)

*Statistical Decision Making* (undergraduate level, Fordham University, course ECON 2142)

*Principles of Microeconomics* (undergraduate level, Fordham University, course ECON 1200)

## Presentations

**2025**: Centre for the Study of African Economies (CSAE) Conference: Economic Development in Africa, St. Catherine's College, Oxford University, UK; Southern Economic Association Annual Meeting, Tampa, FL

**2024**: Agricultural and Applied Economics Association Annual Meeting, New Orleans, LA

**2023**: Fordham Data Science Symposium, New York, NY

**2022**: Columbia University, New York, NY; Forests & Livelihoods: Assessment, Research, and Engagement Conference, Rome, Italy

**2021**: Fordham University, New York, NY (virtual)

**2020**: Allied Social Sciences Association (ASSA) Annual Meeting, San Diego, CA; Liberal Arts Colleges Development Conference (LAC-DEV), Colgate University (virtual)

**2019**: Church Center of the United Nations, New York, NY; Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA; International Water Management Institute, Accra, Ghana

**2018**: Northeast Universities Development Consortium Conference (NEUDC), Cornell University; Manhattan College, New York, NY; Liberal Arts Colleges Development Conference (LAC-DEV), Middlebury College; International Consortium on Applied Bioeconomy Research Annual Meeting, World Bank, Washington, D.C.

**2017**: University of Alabama, Tuscaloosa, AL; Agricultural and Applied Economics Association Annual Meeting, Chicago, IL; Colby College, Waterville, ME; Humanities Institute of the New York Botanical Garden, Bronx, NY

**2016**: Forests & Livelihoods: Assessment, Research, and Engagement Conference, Edinburgh, Scotland; Northeast Universities Development Consortium Conference (NEUDC), Massachusetts Institute of Technology; Population Association of America Annual Meeting, Washington, D.C.; Fordham University, Bronx, NY; University of Georgia, Athens, GA; Mathematica Policy Research, Oakland, CA

**2015**: Forests & Livelihoods: Assessment, Research, and Engagement Conference, Paris, France; International Conference of Agricultural Economists, Milan, Italy; Agricultural and Applied Economics Association Annual Meeting, San Francisco, CA; Association of Environmental and Resource Economics Summer Conference, San Diego, CA; Economics of Global Poverty Conference, Gordon College, Wentham, MA

**2014**: Food Systems and Poverty Reduction IGERT symposium, Cornell University, Ithaca, NY; Agricultural and Applied Economics Association Annual Meeting, Minneapolis, MN; International Conference on the Ethiopian Economy, Addis Ababa, Ethiopia; World Congress of Environmental and Resource Economists, Istanbul, Turkey; Centre for the Study of African Economies, Oxford University, Oxford, U.K.; Pacific Conference for Development Economics, UCLA, Los Angeles, CA

## Service

Referee: American Journal of Agricultural Economics (2x), Applied Economic Perspectives and Policy, Applied Economics, Applied Economics Teaching Resources, Choices, Economic Development and Cultural Change, Energy Economics, Energy for Sustainable Development, Food Policy, Forest Policy and Economics (2x), Journal of the Association of Environmental and Resource Economists (2x), Journal of Development Economics, Journal of Environmental Economics and Management, Journal of the European Economic Association (2x), Nature Climate Change, Nature Food (3x), Proceedings of the National Academy of Sciences, Social Science & Medicine (2x), Sustainability, World Development (2x), USAID Development Innovation Ventures

## Professional Experience

**Food for the Hungry**, Addis Ababa, Ethiopia, *Director of Programs* 2008 – 2011
Oversaw program portfolio with 400+ staff and annual budget of USD $25 million

**Samaritan's Purse International Relief**, San Pedro Sula, Honduras, *Country Director* 2006 – 2008
Oversaw country office with 60+ staff and annual budget of USD $2 million

**Samaritan's Purse International Relief**, Addis Ababa, Ethiopia, *Country Director* 2004 – 2006
Opened country office, grew to 40+ staff and annual budget of USD $800,000