

EMILIA TJERNSTRÖM

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EMPLOYMENT

University of Wisconsin, Madison

Assistant Professor, Robert M. La Follette School of Public Affairs (2015-)

& Agricultural and Applied Economics (2016-)

Affiliated: Center for Demography and Ecology (2016-)

Affiliated: UW Center for Financial Security (2017-)

Affiliated: African Studies Program (2018-)

EDUCATION

Ph.D. University of California, Davis, Agricultural & Resource Economics (2015)

Lund University, Graduate student, School of Economics and Management (2008-2009)

B.A. Colby College, Economics, (Mathematics minor), *Summa Cum Laude* (2006)

JOURNAL PUBLICATIONS

- [1] Jeffrey D. Michler, Emilia Tjernström, Simone Verkaart, and Kai Mausch. Money Matters: The Role of Yields and Profits in Agricultural Technology Adoption. *American Journal of Agricultural Economics*, 2018.
- [2] Oscar Barriga Cabanillas, Jeffrey D. Michler, Aleksandr Michuda, and Emilia Tjernström. Fitting and interpreting correlated random coefficient (CRC) models using Stata. *Stata Journal*, 18(1):159-173, 2018.
- [3] Philip Brown, Adam J. Daigneault, Emilia Tjernström, and Wenbo Zou. Natural Disasters, Social Protection, and Risk Perceptions. *World Development*, 104:310-325, April 2018.
- [4] Emilia Tjernström, Michael R. Carter, and Patricia Toledo. Identifying the Impact Dynamics of a Small Farmer Development Scheme in Nicaragua. *American Journal of Agricultural Economics, Papers and Proceedings*, 95(5):1359-1365, July 2013.
- [5] Sune Tjernström and Emilia Tjernström. Rational Foolishness Would Destroy a Public Service Broadcasting System. *Journal of Media Economics*, 21(4):258-263, 2008.
- [6] Emilia Tjernström and Thomas H. Tietenberg. Do differences in attitudes explain differences in national climate change policies? *Ecological Economics*, 65(2):315-324, 2008.

WORKING PAPERS

- Heterogeneous impact dynamics of a rural business development program in Nicaragua with *Michael Carter and Patricia Toledo*
Conditionally accepted, *Journal of Development Economics*
- Learning from others in heterogeneous environments
Under review

- Media and motivation: the effect of performance pay on writers and content
with Ivan Balbuzanov and Jared Gars
- Seeds of uncertainty: information, subjective expectations, and technology adoption
with Jared Gars
- The dirt on dirt: soil characteristics and variable fertilizer returns in Kenyan maize systems
with Michael Carter and Travis Lybbert
- Filling a niche: the impacts of a local seed company on maize productivity in Kenya
with Michael Carter, Mary Mathenge, Samuel Bird, Travis Lybbert, and Tim Njagi
- Learning by (virtually) doing: experimentation and belief updating in smallholder agriculture
with Travis Lybbert, Rachel Frattarola, and Juan Sebastian Correa
- When intentions matter—identifying the prevalence and source of poor-quality inputs in Kenya
with Jose Clavijo and Travis Lybbert

OTHER PUBLICATIONS & REPORTS

- Carter, Michael, Mary K. Mathenge, Sam Bird, Travis J. Lybbert, Timothy Njagi, and Tjernström, Emilia. 2017. “Local Seed Company Fills a Niche to Increase Maize Productivity in Kenya.” BASIS Brief No. 2017–01.
- Tjernström, Emilia, Michael Carter, and Travis J. Lybbert. 2017. “Diverse Soils and Inputs Challenge Recommendations to Maize Farmers in Kenya.” BASIS Brief No. 2017-03
- Tjernström, Emilia. 2016. “Learning for Adopting: Signals, Similarity and Seeds: Social Learning in the Presence of Imperfect Information and Heterogeneity.” In *Technology Adoption in Developing Country Agriculture*. Policy Briefs from the Workshop Organized by Ferdi and SPIA, Clermont-Ferrand.
- Tjernström, Emilia. 2015. “Learning-by-doing vs. learning-from-others: Heterogeneity matters.” BASIS Brief No. 2015-01
- Carter, Michael R., Travis J. Lybbert, Mary K. Mathenge, and Emilia Tjernström. 2014. “Spurring technological innovation and poverty reduction? Evaluating the impact of a new seed market actor in Kenya.” BASIS Brief No. 2014-04
- Carter, Michael R., Emilia Tjernström, and Patricia Toledo. 2012. “Investing in small-farm productivity: the Nicaragua MCC compact.” BASIS Brief No. 2012-6
- Carroll, Christine, Diane Charlton, and Emilia Tjernström. 2012. “Price premiums for organic strawberries.” *Agricultural and Resource Economics Update*, 15(6):12–14.
- Tjernström, Emilia. 2009. “Kunnigt och (o)kontroversiellt om råvarumarknaden” (Book Review of ‘*Handbook of Primary Commodities in the Global Economy*’ by Marian Radetzki, in Swedish). *Ekonomisk Debatt*, 37(3):85–88.

WORK IN PROGRESS

- Arrested development: the inefficiencies of electoral cycles in infrastructure projects
with Evan Morier
- Pricing complexity and financial shocks
with Joshua Deutschmann and Jeff Michler
- Making sense of Mother Nature: farmer learning in the lab
- Baseline for an information intervention in the agro-inputs market in Kenya
with Travis Lybbert
- Do yields drive soil fertility perceptions?
with Julia Berazneva and Leah Bevis

GRANTS

- 2017-2018: IFREE Small Grants Program
Media and motivation: the effect of performance pay on writers and content; PI (with Ivan Balbuzanov & Jared Gars) \$9,800
- 2017-2018: University of Chicago (Summer Institute on Field Experiments)
An experiment on framing and referrals to boost impact investing (with Angelino Viceisza) \$2,857
- 2017-2018: Economic Development and Institutions (EDI) pilot grant
Constructing compliance: reducing tax evasion among market traders in Ghana; PI (with Nicole Bonoff) £18,027
- 2017: Private Enterprise Development in Low-Income Countries Exploratory Research Grant
Baseline for an information intervention in the agro-inputs market in Kenya; Co-PI (with Travis Lybbert) £22,980
- 2017-2018: Graduate School Fall Research Competition Grant, UW–Madison
Making sense of Mother Nature: farmer learning in the lab; PI \$46,536
- 2016-2017: JPAL Governance Initiative Travel Grant
Double digital dividends: can privately funded information infrastructure boost firm formality?; Co-PI (with Thiemo Fetzer) \$8,200
- 2016-2017: Kohl Competition Award
Testing supply chains for fraudulent fertilizer to improve regulation, policy and market performance for agro-inputs in Sub-Saharan Africa; Co-PI (with Travis Lybbert) \$47,100
- 2016: 3ie & AGRA
Impact evaluation of AGRA's financial inclusion programmes for smallholder farmers in Kenya; PI (with Karl Hughes, and Judith Oduoul) \$420,000
- 2016-2020: NSF CRISP Type 2: Collaborative research grant
Harnessing interdependency for resilience: creating an "energy sponge" with cloud electric vehicle sharing; Co-PI (with Xiaopeng Li, Xin Wang, Kaibo Liu, Feng Ju, Jianhui Wang) \$1,686,426
- 2016-2017: Daniel Louis and Genevieve Rustvold Goldy Fellowship, awarded to a La Follette School Faculty member who is contributing to research in the area of public policy \$6,500
- 2016-2017: Global Center for Food Systems Innovation Grant:
Bringing FarmVille to the Tropics: App-based simulations to build farmers' understanding of customized fertilizer recommendations; Co-PI (with Travis Lybbert) \$96,000
- 2015-2016: Development Impact Lab (DIL) Innovate Grant
Counterfeit seed: using genetic markers to quantify the prevalence of counterfeit maize seed in western Kenya; Co-PI (with Travis Lybbert) \$25,000
- 2013-2016: BASIS Building Resilience and Assets for Food Security Research Grant
Evaluating the socio-economic impacts of Western Seed's hybrid maize program (with Michael Carter, Travis Lybbert and Mary Mathenge) \$424,000
- 2013-2016: ATAI Impact of Agricultural Technologies Research Grant:
Impact of mid-altitude hybrid maize in Western Kenya (with Michael Carter, Travis Lybbert and Mary Mathenge) \$345,000
- 2013-2016: Bill and Melinda Gates Foundation Research Grant:
Impact evaluation of Western Seed Company's hybrid maize program (with Michael Carter, Travis Lybbert and Mary Mathenge) \$286,000
- 2006-2007: Watson Fellowship, Thomas J. Watson Foundation
Nomad's Land – Development, Conservation and Nomads \$25,000 fellowship

AWARDS & FELLOWSHIPS

- Association for Public Policy Analysis and Management, 40 for 40 Fellowship, 2018
- Taylor Hibbard award for Excellence in Graduate Teaching, 2018
- Gordon A. King Best Dissertation Award, UC Davis Agricultural & Resource Economics (2015)
- Henry A. Jastro Graduate Research Fellowship, UC Davis (2012-2013)
- Departmental Fellowship, Agricultural and Resource Economics, UC Davis (2009-2010)
- Phi Beta Kappa, Colby College (2016)

INVITED SEMINARS, CONFERENCES & WORKSHOPS

* indicates planned

- 2019 **Invited talks:** Lund University*
- 2018 **Invited talks:** University of California, Davis (Ag econ); Michigan State University (Economics); University of Copenhagen
Conferences: MIEDC; ICABR (International Consortium on Applied Bioeconomy Research); ABCA (Annual Bank Conference on Africa); Nordic Conference on Behavioral and Experimental Economics; Advances in Field Experiments; AAEA annual meeting;* Economic Science Association North-American Conference;* Northeast Universities Development Consortium (NEUDC);* University of Michigan Sustainability and Development Conference;* HAMOC*
- 2017 **Invited talks:** BASIS / Feed the Future conference “[Enhancing Smallholder Productivity in Kenya: Evidence from a Randomized Controlled Trial of New Seed Varieties](#)”; EDI annual conference; Chicago Council on Global Affairs & MSU Alliance for African Partnership panel on the intersection of youth and agriculture in Africa; Feed the Future / USAID Agrilinks Webinar: “[Soil variation and why it matters](#)” (recording [here](#))
Conferences: PacDev, MIEDC, ICABR Annual Conference (International Consortium on Applied Bioeconomy Research), WGAPE annual meeting, AAEA annual meeting, SIFE (University of Chicago Summer Institute on Field Experiments), BITSS annual meeting (Berkeley Initiative for Transparency in the Social Sciences), MGAPE @ Northwestern (Midwest Group in African Political Economy)
- 2016 **Invited talks:** Paris School of Economics; FERDI: [Learning for adopting](#); What Works Global Summit 2016; University of North Dakota (Economics); USAID Global Development Lab
Conferences: Global Center for Food Systems Innovation Grantee Workshop; Centre for the Study of African Economies, MIEDC; AAEA–Boston, Annual meeting (track session organizer); Nordic conference on behavioral and experimental economics
- 2015 **Invited talks:** Oregon State University (Ag econ); Université Laval (Economics); University of Wisconsin, Madison (Public Affairs); Georgetown (GHD); Ohio State University (Ag econ); University of Copenhagen (Ag econ); University of San Francisco; DIME Impact Evaluation Workshop; University of Minnesota (Ag econ); University of Illinois Urbana-Champaign (Ag econ)
Conferences: Centre for the Study of African Economies (CSAE) Conference; UC Berkeley Development lunch; MWIEDC; AAEA Annual Meeting; NEUDC
- 2014 **Invited talks:** [iHub Nairobi](#); Colby College (Economics); Bowdoin College (Economics); BASIS/I4 Meeting
- 2013 **Invited talks:** AAEA invited session at ASSA Meetings; AGRA M&E Unit
Workshop: Trained Tegemeo Institute staff in electronic survey coding

2012 **Seminars:** UC Davis Development Workshop; MCC Impact Evaluation Learning Event (Agriculture Evaluations Peer Review Workshop); UC Berkeley Development Lunch
Conferences: Nordic Conference in Development Economics; GARESC; NEUDC

PROFESSIONAL & ACADEMIC EXPERIENCE

Graduate student researcher for Professor Michael R. Carter, UC Davis (2010-2015)
Monitoring & evaluation consultant, Millennium Challenge Corporation (April - Dec 2012)
Teaching assistant, Environmental and Resource Economics for Professor Krister Hjalte, Lund University. (Fall 2008)
Intern, Observatorio Social de la Universidad Alberto Hurtado, Santiago, Chile (Summer 2008)
Economics teacher, United World College Costa Rica (International High School)
Taught International Baccalaureate Diploma Program Economics. (2007 - 2008)
Watson fellow (Mongolia, Mali, Mauritania, Tanzania)
Research assistant for Professor Thomas H. Tietenberg, Colby College

TEACHING

University of Wisconsin, Madison. La Follette School of Public Affairs
International cost-benefit analysis. Masters level. 2015, 2016, 2017, 2018
International policy analysis. Masters level. 2016
Independent study. Masters level. 2017 (3 students), 2018 (2 students)
University of Wisconsin, Madison. Agricultural & Applied Economics
Applied microeconometrics using replication. PhD field course. 2016, 2017
Economic and Agricultural Development of Africa. Undergraduate. 2018

STUDENT ADVISING

Rachel Frattarola, PhD AAE (2018)	Dissertation committee member
Justin Delorit, PhD Civil & Environmental Engineering (2018)	Dissertation committee member
Norihiko Matsuda, PhD AAE (2018)	Dissertation committee member
Naoki Nishimura, PhD AAE	Dissertation committee member
Jessica Zhu, PhD AAE	Dissertation committee member
Joshua Deutschmann, PhD AAE	Dissertation committee member
Evan Morier, PhD Political Science	Dissertation committee member
Eduardo Cenci, PhD AAE	Dissertation committee member
Jens Engelmann, PhD AAE	Dissertation committee member
Andrew Feist, PhD AAE	Advisor

UNIVERSITY SERVICE

Placement committee, Department of Agricultural & Applied Economics, UW-Madison (2018-2019)
Curriculum and Student Services, La Follette School of Public Affairs, UW-Madison (2018-2019)
Family Impact & Committee Connect, La Follette School of Public Affairs, UW-Madison (2018-2019)
Placement director, Department of Agricultural & Applied Economics, UW-Madison (2017-2018)

Diversity & inclusion committee, La Follette School of Public Affairs, UW-Madison (2017-2018)
Admissions committee, La Follette School of Public Affairs, UW-Madison (2016-2017, 2017-2018)
Development workshop coordinator, Department of Agricultural & Applied Economics,
UW-Madison (Fall 2017)
Bromley Prize review committee, Department of Agricultural & Applied Economics,
UW-Madison (2016-2017)
Graduate committee, Department of Agricultural & Applied Economics, UW-Madison (2016-2017)
Student diversity & inclusion liaison, La Follette School of Public Affairs, UW-Madison (2015-2017)

OUTSIDE SERVICE

Journal refereeing

Agricultural Economics, American Journal of Agricultural Economics, China Economic Review, Ecological Economics, European Journal of Political Economy, Food Policy, Journal of Agricultural Economics, Journal of Consumer Affairs, Journal of Development Economics, Journal of Development Studies, Journal of Economic Behavior and Organization

External reviewer & Conference reviews

Master's Thesis Award Committee, AAEA 2019-2020
Abstract reviewer for behavioral economics section, AAEA 2018
Abstract reviewer for international development section, AAEA 2018
Scientific committee, 2018 Midwest International Economic Development Conference
Grant reviewer, International Initiative for Impact Evaluation (3ie), Agricultural Insurance Thematic Window, 2017
External reviewer, International Initiative for Impact Evaluation (3ie), Agricultural Innovation Thematic Window, 2017
Abstract reviewer for behavioral economics section, AAEA 2017
External reviewer, CGIAR Standing Panel on Impact Assessment (SPIA) 2017
External reviewer, International Initiative for Impact Evaluation (3ie), Agricultural Innovation Thematic Window, 2016
Scientific committee, 2017 Midwest International Economic Development Conference
Abstract reviewer for Annual World Bank Conference on Land and Poverty, 2016

OTHER INFORMATION

Languages

Swedish (Native), English, French, Spanish (Fluent)

Associations

American Economic Association, Agricultural and Applied Economics Association, Economic Science Association