

**Aurélie P. Harou**  
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## Positions

Assistant Professor, Department of Natural Resource Sciences, McGill University 2017-present  
Research Adjunct, International Research Institute for Climate and Society, Columbia University 2016-2020  
Earth Institute Postdoctoral Research Fellow, Columbia University 2013 - 2016

## Education

Ph.D. Applied Economics and Management, Cornell University 2008 - 2013  
Committee: Chris B. Barrett (chair), Miguel I. Gómez, Harry M. Kaiser  
Fields: food security, agriculture and development economics, environmental and resource economics, disaster relief management, nutrition

M.S. Agricultural and Resource Economics, University of California Davis 2005

B.S. Geography and Environmental Science, University of Sussex 2003

## Publications

Ghimire T\*, **Harou A**, Balasubramanya S (2023). “Migration, gender labor division and food security in Tajikistan”. *Food Policy, forthcoming*.

Vasilaky K, **Harou A**, Alfredo K (2023). “What works for water conservation? Evidence from a field experiment in India”. *Journal of Environmental Economics and Management, forthcoming*.

Lasdun V\*, **Harou A**, Magomba C, Aku A (2023). “COVID-19, climate shocks, and food security linkages: Evidence and perceptions from smallholder farming communities in Tanzania”. *Environment and Development Economics, forthcoming*.

Giulivi N\*, **Harou A**, Guerena D, Gautam S (2023). “Getting the message out: Information and communication technologies and agricultural extension”. *American Journal of Agricultural Economics* 105(3): 1011-1045.

**Harou A**, Madajewicz M, Michelson H, Palm C, Nyambilila A, Magomba C, Semoka J, Tschirhart K, Weil R (2022). “The joint effects of information and financing constraints on technology adoption: evidence from a field experiment in rural Tanzania”. *Journal of Development Economics* 155: 1-17.

Mondal P, DeFries R, Clark J, Flowerhill N, Arif M, **Harou A**, Downs S, Fanzo J (2021). “Implications of agricultural intensification for dietary diversity and food security in rural India”. *Environmental Research Letters* 16(6): 1-12.

**Harou A** (2018). “Unraveling the effect of targeted input subsidies on household consumption and child nutrition: the case of Malawi,” *World Development* 106: 124-135.

**Harou A**, Walker T and Barrett C (2017). “Is late really better than never? The farmer welfare effects of pineapple adoption in Ghana”. *Agricultural Economics* 48 (2): 153-164.

**Harou A**, Liu Y, Barrett C and You L (2017). “Variable returns to fertilizer use and its relationship to poverty: experimental and simulation evidence from Malawi”. *Journal of African Economies* 26(3): 342-371.

**Harou A** and Upton J, Gómez M, Barrett C and Lentz E (2013). “Trade-offs or synergies? Assessing local and regional procurement through comprehensive case studies in Burkina Faso and Guatemala”, *World Development*, 49: 44-57.

Violette W, **Harou A**, Upton J, Bell S, Barrett C, Gómez M and Lentz E (2013). “Recipients Satisfaction with Locally Procured Food Aid Rations: Comparative Evidence from A Three Country Matched Survey”, *World Development*, 49: 30-43.

**Harou A**, Kniveton D, Frogley M and Lajoie R (2006). “The Influence of the Indian Ocean dipole mode on precipitation over the Seychelles”, *International Journal of Climatology*, 26:1, 45-54.

## Submitted Work

Chakrabati A and **Harou A**, Fanzo J, Palm C (2022). “Exploring agriculture-child nutrition pathways: evidence from Malawi’s Farm Input Subsidy Program”. *Food Security*, revise and resubmit.

Tamim A\*, **Harou A**, Burke M, Lobell D, Madajewicz M, Magomba C, Michelson H, Palm C, Xue J (2023). “Relaxing Information and Credit Constraints: 5-Year Evidence from a Randomized Experiment in Tanzania”. *Under review*.

Lasdun V\*, **Harou A**, Magomba C, Guereña D (2023). “Peer learning in a digital farmer-to-farmer network: Effects on technology adoption and self-efficacy beliefs”. *Under review*.

**Harou A** and Vasilaky K, Lee C and Osgood D (2023). “Spending when disaster strikes: The effect of typhoons and government spending on household labor outcomes in the Philippines”. *Submitted*.

## Working Papers

Tamim A\* and **Harou A** (2023). “The role of subjective expectation updating on information retention and adoption: evidence from Tanzania”.

Aubrac C\*, **Harou A**, Balasubramanya S, Magomba C and Vasilaky K (2023). “Realized and elicited cooperation under water scarcity: Evidence from a field experiment in Tanzania”.

Li M\*, **Harou A**, Chakrabati A (2023). “Examining the effects of agricultural intensification on resiliency, nutrition and food security”.

**Harou A**, Moyo M, Liu J\* (2021). “Fuel and food prices: comparing qualitative and quantitative methods”

Stratica C\* and **Harou A** (2021). “The effect of prices and climate shocks on post-harvest storage behaviour”.

**Harou A**, Gómez M, Barrett C, Lentz E and Garg T (2013). “The Pros and Cons of Local Food Procurement in Emergency Relief Response in Guatemala”.

\**Denotes students I supervise or have supervised.*

## Policy Briefs/Blogs

**Harou A**, Madajewicz M, Michelson M, Palm C, Amuri N, Magomba C, Semoka J, Weil R. (2021) “Increasing Maize Yields with Soil Testing and Subsidies in Tanzania”, *USAID Basis Policy Brief*.

**Harou A** (2020). “Food Security in the Time of the COVID-19 Pandemic”. McGill Max Bell School of Public Policy Briefing.

Rose A, **Harou A**, Michelson H, Palm C, Semoka J. (2017) “Targeted Soil Recommendations May Improve Smallholder Productivity in Tanzania”, *USAID Basis Policy Brief*.

**Harou A** (2015). “Are cash-crop growing farmers better off?”, [econthatmatters.com](http://econthatmatters.com).

**Harou A** (2011). “Smallholder Market Access”, Dyson School of Applied Economics Policy Brief, May.

## Teaching

### Lecturer

Intermediate Microeconomics (AGEC 320), McGill University

Principles of Microeconomics (AGEC 200), McGill University

International Agricultural Development Economics, (AGEC 442/642), McGill University

Entrepreneurship and Business Management, Cornell Prison Education Program (Cayuga Correctional Facility)

### Teaching assistant

Agribusiness (AEM 4270), Cornell University

Business and Entrepreneurship (AEM 1230), Cornell University

International Trade and Policy (AEM 4300 and AEM 2300), Cornell University

## Student mentees

Wendy Song (McGill University, MS AgEcon, 2022-present)

Charlotte Aubrac (McGill University, MS AgEcon, 2021-present)

MingDa Li (McGill University, MS AgEcon, 2021-present)

Cristian Stratica (McGill University, PhD Economics, 2019-2021), committee member

Tinusha Ghimire (McGill University, MS AgEcon, 2019-2021)

“Impact of migration on agricultural gender labor division and food security in Tajikistan”

Violet Lasdun (McGill University, MS AgEcon, 2019-2021)

“Peer learning in a digital farmer-to-farmer network: effect on technology adoption and self-efficacy beliefs”

Abdulrazzak Tamim (McGill University, MS AgEcon, 2018-2020)

“Long-term learning: the effects of an information treatment on farmer input use”

Nicoletta Giulivi (McGill University, MS AgEcon, 2017-2019)

“Getting the message out: the role of communication technologies in delivering agricultural advice to farmers in Nepal”

Amanda Grossi (Columbia SIPA MS, 2016) “The adoption of new rice varieties in Cambodia”

Katrina Sills (Columbia SIPA MS, 2015)

“Nutrition and input subsidies in Malawi” - One Acre Fund

Molly Schneider (Columbia SIPA MS, 2015)

“Nutrition and input subsidies in Malawi” - ICT4D

Eda Gimenez (Columbia Climate and Society MS, 2014)

“In-situ fertilizer production” - World Bank

## Grants

### **FRQ - Nature et Technologies**

Co-I

88,000 CAD

2022 - 2026

“Parcelles repères en sols sains en grandes cultures pour les agrosystemes conventionnels et biologiques”

### **Internal SSHD Grant**

PI

7,000 CAD

2019 - 2021

“Demand for Surface Water and Groundwater in sub-Saharan Africa”

### **McGill Sustainability Sys. Initiative: Landscapes**

PI

10,000 CAD

2019 - 2021

“Groundwater demand and supply in sub-Saharan Africa: changing agriculture, changing landscapes”

### **Social Sciences and Humanities Research Council**

PI

72,457 CAD

2018 - 2022

“Fertilizer adoption, crop choice and the long-term diffusion of information”

### **World Bank Group**

Co-PI

200,000 USD

2016 - 2017

“Understanding the impact of more timely post-disaster reconstruction of public assets in the Philippines”

### **Columbia University Cross Cutting Initiative**

PI

30,000 USD

2016 - 2017

“Eliciting subjective expectations of yields and profitability of fertilizer use in Morogoro, Tanzania”

**USAID BASIS Assets and Market Access** Co-PI 800,000 USD 2014 - 2017

“Evaluating the effect of site-specific soil information on farmer input choices and the relationship between poverty and soil quality”

**Columbia University Earth Clinic** PI 29,000 USD 2015 - 2016

“Identifying the critical constraints to small farmers’ fertilizer purchasing decisions in Tanzania: liquidity v. information”

**Columbia University Cross Cutting Initiative** Co-PI 30,000 USD 2015 - 2016

“Incentivizing farmers to reduce groundwater depletion rates in Punjab”

## Awards

2017 Best Article in *Agricultural Economics* 2018

Università degli Studi di Bicocca Department of Economics Visiting Scholar Fellowship 2015

George F. Warren 2nd Place Award for Outstanding Publication 2014

Research Travel Grant Award, College of Agriculture and Life Sciences, Cornell 2010

Mario Einaudi Center for International Studies Field Work Travel Grant Award 2010

Geography and Environmental Science University of Sussex Dissertation Award 2003

## Conferences and Seminar Presentations

57th Canadian Economics Association Conference (2023, scheduled); Agricultural and Applied Economics Association Annual Meeting (2 posters) (2023, scheduled); Canadian Agricultural Economics Society Meeting (2) (2023, scheduled); Association of Environmental and Resource Economists Summer Conference (2023, scheduled); Western Economics Association International 98th Annual Conference (2023, scheduled); Tata-Cornell Institute of Agriculture and Nutrition 10th Anniversary Conference: Food, Environment and Health - Global Evidence (2023, scheduled); Center for the Study of African Economies Economic Development Conference (2023, scheduled); National Taiwan University Agricultural Economics Seminar (2022); Online Agricultural and Resource Economics Seminar (2022); Cornell University 100 Years of Economic Development Conference (2022); Agricultural and Applied Economics Association Virtual Conference (2) (2022); Canadian Agricultural Economics Society Virtual Conference (2) (2022); Pacific Conference for Development Economics (2022); Agricultural and Applied Economics Association Virtual Conference (2) (2021); Canadian Agricultural Economics Society Virtual Conference (2) (2021); Midwest International Economic Development Conference (2021); Pacific Conference for Development Economics (2021); North Eastern Universities Development Conference (2020); A. Jean de Grandpré Distinguished Speaker and Seminar Series (2020); Agricultural and Applied Economics Association (2020); Canadian Agricultural Economics Society (2020); McGill Max Bell School of Public Policy Webinar (2020); 2020 Global Food Symposium (cancelled); Economics Science Association (2019); Agricultural and Applied Economics Association (2019); Canadian Agricultural Economics Society (2019); Sustainability and Development Conference (2018); North Eastern Universities Development Conference

(2018); Advances in Field Experiments (2018); Economics Science Association (2018); Agricultural and Applied Economics Association (2017); Center for the Study of African Economies Conference (2017); USAID BASIS Technical Committee Meeting (2016); Stanford University School of Earth, Energy and Environmental Science Seminar (2016); McGill University Department of Natural Resource Sciences Seminar (2016); Cooper Union Department of Social Sciences and Humanities Seminar (2016); Fordham Department of Economics Seminar (2015); Second Global Food Security Conference (poster) (2015); Agricultural and Applied Economics Association Conference (2015); International Consortium on Applied Bioeconomy Research (2015); Università di Bicocca Department of Economics Seminar (2015), USAID BASIS Technical Committee Meeting (2014); Centre for the Study of African Economies Conference (2014); European Association of Agricultural Economists (2013); Cornell Population Center Encore Conference (poster) (2012); Agricultural and Applied Economics Association (poster) (2012); Food and Agricultural Organizations International Scientific Symposium on Food and Nutrition Security Information (2012); Congressional Research Service (2011); Institute of Statistical, Social and Economic Research Seminar (2010); Actors, Markets, and Institutions in Developing Countries: A micro-empirical approach (AMID) Conference (2009).

## Past Employment

<b>Research Assistant</b> for Dr. Chris B. Barrett	<i>6/2012 - 9/2013</i>
	<i>9/2011 - 1/2012</i>
	<i>8/2008 - 8/2009</i>
<b>Research Assistant</b> for Dr. Miguel I. Gómez	<i>1/2011 - 8/2011</i>
<b>Food Security Officer</b> for Action Against Hunger	<i>6/2007 - 4/2008</i>
<b>Senior Associate</b> for Law and Economics Consulting Group, LLC	<i>7/2005 - 6/2007</i>
<b>Reader</b> for Dr. Larry Teuber Applied Statistics in Agricultural Science	<i>9/2004 - 4/2005</i>
<b>Hazard Mapping Analyst</b> for Dewberry and Davis, LLC	<i>1/2004 - 9/2004</i>
<b>GIS Analyst</b> for Binnie, Black and Veatch, LLC	<i>8/2002 - 9/2002</i>
<b>Intern</b> at the Climate Institute	<i>7/2001 - 9/2001</i>
<b>Field Assistant</b> for the non-profit Educa in Tegucigalpa, Honduras	<i>3/2001 - 4/2001</i>
<b>Field Manager</b> and <b>Lobby Intern</b> for U.S. Public Interest Research Group	<i>6/2000 - 8/2000</i>
<b>Data Analyst</b> for STRATEC, a transportation analytics firm	<i>1/2000 - 3/2000</i>
<b>Field Worker</b> for a local non-profit offering rice extension services in Nasik, India	<i>7/1998 - 8/1998</i>

## Professional Service Activities

**Coordinator:** Environmental Economics Specialization, McGill University

**Committees:** Founders Day Committee, Macdonald Campus Library Advisory Committee, Development of Teaching Excellence Committee, NRS Departmental Seminar Committee, Agricultural Economics PhD Committee, Search Committee for Agricultural Economics, Agricultural Economics Social Media and Outreach Committee, Margaret A. Gilliam Institute for Global Food Security Steering Committee

**Member:** Agricultural and Applied Economics Association, Canadian Agricultural Economics Society, International Association of Agricultural Economists, American Economics Association, Northeastern Agricultural and Resource Economics Association, American Association of Geographers

**Referee:** *World Development, Food Policy, American Journal of Agricultural Economics Conference Abstracts Review, Canadian Agricultural Economics Society Conference Abstracts Review, American Journal of Agricultural Economics, Journal of African Economies, Global Food Security, Agricultural Economics, Applied Economic Perspectives and Policy, PlosONE, Nature Food, Food Security, Journal of Development Economics, Review of Economics and Statistics*