

B. KELSEY JACK

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Academic Positions

- 2011- Assistant Professor, Department of Economics, Tufts University
- 2013-14 Visiting Faculty, Department of Agricultural and Resource Economics, University of California, Berkeley
- 2010-11 Post-doctoral Fellow, Agricultural Technology Adoption Initiative, J-PAL, MIT

Education

- 2010 Ph.D., Harvard University, Public Policy
Dissertation title: *Essays on developing country markets in environment and health*
Dissertation Committee: *Christopher Avery, Nava Ashraf, Robert Stavins*
- 2003 A.B., Princeton University, Public and International Affairs, concentration in Economics

Publications:

- Jack, B.K. and G. Smith. (2015) "Pay as you go: Pre-paid metering and electricity expenditures in South Africa" *American Economic Review Papers & Proceedings*, 105(5): 237-41.
- Jack, B.K. and M.P. Recalde (2015) "Leadership and the voluntary provision of public goods: Field evidence from Bolivia" *Journal of Public Economics*, 122: 80-93.
- Greenstone, M. and B.K. Jack (2015) "Envirodevonomics: A Research Agenda for an Emerging Field" *Journal of Economic Literature*, 53(1): 5-42.
- Ashraf, N., O. Bandiera and B.K. Jack. (2014) "No margin, no mission? A field experiment on incentives for public service delivery" *Journal of Public Economics*, 120: 1-17.
- Jack, B.K. (2013) "Private information and the allocation of land use subsidies in Malawi" *American Economic Journal: Applied* 5(3): 113-135.
- Ashraf, N., B.K. Jack and E. Kamenica (2013) "Information and Subsidies: Complements or Substitutes?" *Journal of Economic Behavior and Organization* 88(C): 133-139.
- Ajayi, O.C., B.K. Jack and B. Leimona (2012) "Auction Design for the Private Provision of Public Goods in Developing Countries: Lessons from Payments for Environmental Services in Malawi and Indonesia" *World Development* 40(6): 1213-1223.
- Jack, B.K., B. Leimona and P.J. Ferraro. (2009) "A Revealed Preference Approach to

Estimating Supply Curves for Ecosystem Services: Experimental field auctions and soil erosion control in Indonesia" *Conservation Biology* 23(2): 359-367.

Jack, B.K. (2009) "Upstream-downstream transactions and watershed externalities: Experimental evidence from Kenya" *Ecological Economics* 68(6): 1813-1824.

Jack, B.K., C. Kousky and K.R.E. Sims. (2008). "Designing payments for ecosystem services: Lessons from previous experience with incentive-based mechanisms" *Proceedings of the National Academy of Sciences* 105: 9465-9470.

Working Papers:

"Technology adoption under uncertainty: Take-up and subsequent investment in Zambia" with Paulina Oliva, Sam Bell, Liz Walker and Chris Severen. NBER WP 21414 (2015).

"Seasonal credit constraints and agricultural labor supply" with Günther Fink and Felix Masiye. NBER WP 20218 (2014).

"Incentives, selection and productivity in labor markets: Evidence from Malawi" with Raymond Guiteras. NBER WP 19825 (2014).

"Market inefficiencies and the adoption of agricultural technologies in developing countries." White paper prepared for the Agricultural Technology Adoption Initiative, J-PAL (MIT) / CEGA (Berkeley) (2011).

Selected Work in Progress:

"Seasonal liquidity constraints and agricultural output: Evidence from Zambia" with Günther Fink and Felix Masiye.

"Electricity use by the poor in Cape Town, South Africa" with Grant Smith.

"A tragedy of the commons in the household: Water use and intrahousehold externalities" with Seema Jayachandran and Sarojini Rao.

Affiliations:

Institute for the Study of Labor (IZA), Research Fellow (2014-present)

Harvard University Center for the Environment, Faculty Fellow (2014-present)

Center for Behavioral and Experimental Agri-environmental Policy Research Fellow (2014-present)

Abdul Latif Jameel Poverty Action Lab at MIT Affiliate (2013-present)

National Bureau of Economic Research Faculty Research Fellow (2012-present)

Agricultural Technology Adoption Initiative Affiliate (2011-present)

Innovations for Poverty Action Network Member (2011-present)

International Growth Centre Environment Programme Affiliate (2010-present)
Harvard Environmental Economics Program Doctoral Fellow (2006-10)
Harvard Center for International Development Doctoral Fellow (2005-10)
Sustainability Science Program at Harvard University Doctoral Fellow (2005-10)

Teaching:

Environmental and Natural Resource Economics (Lower level undergraduate elective, Economics 30)
Special Topics in Environmental Economics: Development (Upper level undergraduate and masters seminar course, Economics 130)

Professional Service

Guest Editor, *Journal of Environmental Economics and Management*, Special issue on environmental economics in developing countries (2015-)
Editorial Board Member, *Journal of Environmental Economics and Management* (2015-)
Editorial Council for the *Journal of the Association of Environmental and Resource Economists* (2014-)

Referee for (alphabetical): American Economic Journal: Applied, American Economic Journal: Policy, American Economic Review, American Journal of Agricultural Economics, Ecological Economics, Econometrica, Economic Development and Cultural Change, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of the European Economic Association, Journal of Human Resources, Journal of Labor Economics, Journal of Public Economics, Management Science, Quarterly Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, Review of Environmental Economics and Policy, others

Faculty instructor, J-PAL/IPA training courses (Malawi 2011, Mexico City 2011, Cape Town 2013)
Faculty instructor, Kinship Foundation Conservation Fellows training, 2013, 2014

Other Employment:

2003-2005, The World Conservation Union, Lao PDR, Program Officer

Seminar and conference presentations

2016: Harvard University Environmental Economics Seminar (scheduled), University of Michigan Environmental Economics and Development Economics Seminars (scheduled), Georgetown University Development Economics Seminar (scheduled), University of Massachusetts Amherst Economics Department Seminar (scheduled), Berkeley Agricultural and Resource Economics Department Seminar (scheduled), Purdue Agricultural Economics Department

Seminar (scheduled)

- 2015: International Food Policy Research Institute Seminar, International Growth Center Energy Conference, University of Maryland Agricultural and Resource Economics Department Seminar, Resources for the Future, World Bank Conference on Labor Economics in Low Income Countries, Harvard-MIT Development Economics Seminar, TREE Seminar (Duke, NCSU, RTI), American Economic Association Spring Meeting (3 presentations)
- 2014: NBER Environmental and Energy Economics spring meeting, Pacific Development Conference, Columbia University Sustainable Development Seminar, University of Wyoming Department of Economics Seminar, Colorado State University Agricultural Economics Seminar, University of Wisconsin–Milwaukee Department of Economics Seminar, UC San Diego Environmental Economics Seminar, University of Washington Development Economics Seminar, Gates Foundation Research Seminar, Stanford University Development Economics Seminar, UC Santa Barbara Land Use Workshop, University of Zambia Department of Economics Seminar, University of Connecticut Environment, Law and IO Seminar, Clark University Department of Economics Seminar, Boston University Development Economics Seminar
- 2013: Harvard University Environmental Economics Seminar, Cornell University Applied Economics Seminar, Northeast Energy and Environmental Workshop, Stanford Institute for Theoretical Economics (SITE) conference, OECD Workshop on Conservation Tenders, UC Santa Barbara Department of Economics Seminar, CU Boulder Department of Economics Seminar, CU Environmental Economics Workshop, UC Davis Environmental Economics Seminar, UC Santa Cruz Department of Economics Seminar, UC Berkeley Agricultural and Resource Economics Seminar, University of Cape Town Labor and Development Seminar
- 2012: Association of Environmental and Resource Economics meetings, IGC Growth Week, Yale University Environmental Economics Seminar, University of Wisconsin, Madison Applied Economics Seminar, Northeast Universities Development Conference, National Tax Association Annual Meetings
- 2011: Harvard/MIT Development Seminar, University of Maryland Labor Economics Seminar, University of Maryland Agricultural and Resource Economics Seminar, Association of Environmental and Resource Economists Meetings, Stanford Institute for Theoretical Economics (SITE) Conference, University of Chicago Advances with Field Experiments Conference, RAND Labor Economics Seminar

2010: CU Environmental Economics Workshop, UC Santa Barbara Environmental Economics Conference, Northeast Universities Development Conference, Tufts University Economics Department Seminar

Grants and awards

Bernstein Faculty Fellow 2015-16, Tufts University (awarded to one junior faculty member at Tufts each year)

International Growth Centre (DFID), "Household characteristics and the elasticity of demand for water (request for additional funding)," USD 46,452 awarded March 2015

Anonymous Donor, "Agricultural productivity and ganyu labor: Evidence from Chipata, Zambia," USD 144,519 awarded June 2014

International Growth Centre, "Household characteristics and the elasticity of demand for water," USD 56,723 awarded August 2014

International Growth Centre (DFID) "Prepaid electricity metering: Costs, benefits and potential for scale up," USD 126,735 awarded August 2014

J-PAL Urban Services Initiative "Prepaid electricity: Better service delivery for the poor?" USD 50,000 awarded July 2014

International Growth Centre (DFID) "Sustained adoption of environmentally friendly agricultural technologies: A follow up study," USD 93,660 awarded July 2013

IZA Growth and Labor Markets in Developing Countries, "Food Constraints, Yield Uncertainty and "Ganyu" Labor," USD 672,103 awarded April 2013

J-PAL Governance Initiative, "Underreporting in the water sector: Evidence from the installation of smart meters," USD 30,000 awarded March 2013

J-PAL Urban Services Initiative, "Underreporting in the water sector: Evidence from the installation of smart meters," USD 50,000 awarded March 2013

International Growth Centre, "Food Constraints, Yield Uncertainty and "Ganyu" Labour: A Pilot Investigation," USD 80,000 awarded September 2012

Agricultural Technology Adoption Initiative, "Food Constraints, Yield Uncertainty and "Ganyu" Labour: A Pilot Investigation," USD 49,000 awarded April 2012

Agricultural Technology Adoption Initiative, "Agricultural Technology, Gender Inequality and Intra-Household Decision Making," USD 49,000 awarded April 2012

Climate Development Knowledge Network, "Contract design for land-based carbon offsets, Zambia," USD 176,000 awarded January 2012

International Growth Centre, "Leakage and livelihood impacts of payments for environmental services," USD 30,000 awarded September 2011

International Growth Centre, "Contract design for land-based carbon offsets, Zambia," USD 98,000 awarded September 2011