

Zachary S. Brown

Environmental and Resource Economist, North Carolina State University
Assistant Professor, Department of Agricultural and Resource Economics
Cluster Faculty in the [Genetic Engineering and Society Program](#)
Email: zack.brown@ncsu.edu

Education

<i>INSTITUTION</i>	<i>FIELDS</i>	<i>DEGREE</i>	<i>YEAR</i>
Duke University Durham, NC, USA	Environmental & resource economics	PhD	2011
	Dissertation: The Economics of Malaria Vector Control Committee: R.A. Kramer, M.F. Bellemare, K. Koelle, P. Peretto, M.D. Smith		
Lawrence University Appleton, WI, USA	Mathematics-economics Minor in government	BA	2005

Peer-Reviewed Publications

- **Z.S. Brown** and Nick Johnstone. *Better the devil you throw: Experience and support for pay-as-you-throw waste charges*. Environmental Science & Policy (2013).
- **Z.S. Brown**, Nick Johnstone, Ivan Hašič, Laura Vong, and Francis Barascud (2013). *Testing the effect of defaults on the thermostat settings of OECD employees*. Energy Economics, **39**: 128-134.
- **Z. S. Brown**, K. Dickinson, and R. A. Kramer (2013). *Insecticide resistance and malaria vector control: The importance of fitness cost mechanisms in determining economically optimal control trajectories*. Journal of Economic Entomology, **106**(1): 366-374.
- M. F. Bellemare and **Z. S. Brown** (2010). *On the (Mis)Use of Wealth as a Proxy for Risk Aversion*. American Journal of Agricultural Economics. **92**(1): 273-282.

Working Papers

- **Z. S. Brown**. *Tender instruments: Program participation and impact in Australian conservation tenders, grants and volunteer organizations*. December 2013.
- D. A. Miteva; R. A. Kramer; **Z. S. Brown**; M. D. Smith. *A spatial model of household fuelwood extraction in northern Uganda*. June 2013
- **Z.S. Brown**. *Estimating Pigovian subsidies for household participation in mosquito control programs to prevent malaria*. March 2013

Government-issued Reports and Publications

- **Z.S. Brown**, with Ysé Serret and Nick Johnstone (2013). *Greening Household Behaviour: Overview from the 2011 Survey*. *OECD Studies on Environmental Policy and Household Behaviour*, OECD Publishing. [Edited book, authored three chapters.]
- L. Trasande (NYU), **Z.S. Brown** (forthcoming). *Tackling Environmental Determinants of Health: The Economic Case for Action*. In [The Economics of Prevention](#), forthcoming from OECD and WHO.
- **Z.S. Brown** (2013). *Background information on the assessment of alternatives to DDT*. Technical report for the Stockholm Convention Secretariat. *UNEP/POPS/POPRC.7/INF/19*

Professional Appointments

- *North Carolina State University*. Assistant Professor, Agricultural & Resource Econ., 2014-present
- *OECD*. Economist, Environment Directorate. September 2011-November 2013
- *Duke Global Health Institute*. Postdoctoral research scholar. June 2011-Dec 2013
- *International Institute for Applied Systems Analysis*. Young Scientists Summer Program. Vienna, Austria. June/Aug. 2009. Supervisor: Dr. Andrew Noymer (UC-Irvine).
- *Resources for the Future*. Intern. Washington, DC, USA. June/Aug. 2007.
- *Student Conservation Association*. Intern. Summersville, WV. 2005/06.
- *UN Commission for Latin America and the Caribbean*. Intern. Santiago, Chile. Fall 2004.
- *US Fish and Wildlife Service*. Biological technician. Elkins, WV. Summers 2002/03.

Conference Presentations

- 2013 EAERE Summer Conference (Toulouse, France)
UKNEE envecon 2013 (The Royal Society, London)
- 2012 EAERE Summer Conference (Prague, Czech Republic)
Journées Louis-André Gérard-Varet in Public Economics (Marseille, France)
- 2011 AERE Summer Conference (Seattle, WA)
- 2010 “Parasite to Prevention” with Malaria Journal (Edinburgh, Scotland) – Poster
EcoHealth Meetings (London, UK) – Poster
Applied and Agricultural Economics Association Annual Meeting (Denver, CO)
World Congress of Environmental and Resource Economists (Montreal, Canada)
Economics and Management of Risk in Agriculture and Natural Resources (Destin, FL, USA)
- 2009 Economics and Management of Risk in Agriculture and Natural Resources (Galveston, TX, USA)

Grants and Funding

- **Zachary S. Brown** (co-PI); Kramer, Randall A. (PI). *The socio-behavioral determinants of indoor residual insecticide spraying in northern Uganda*. National Science Foundation, Doctoral Dissertation Improvement Grant. Funding amount: \$14,980.
- Kramer, Randall A. (PI); Katia Koelle (co-PI); **Zachary S. Brown** (doctoral student). *A bioeconomic approach to managing insecticide resistance in malaria control*. Funding amount: \$34,690. Funded through the Duke University Center for the Comparative Biology of Vulnerable Populations (CCBVP).

Honors, Awards, and Achievements

- *2012 AAEA Outstanding Doctoral Dissertation Award*
- *2011 Outstanding American Journal of Agricultural Economics Article Award*
- *2009 Peccei Prize*, International Institute for Applied Systems Analysis (IIASA), Vienna, Austria.

Professional Affiliations

- *Association of Environmental and Resource Economists*
- *Applied and Agricultural Economics Association*
- *Entomological Society of America*

Teaching experience and fellowships

- *Environmental and Natural Resource Policy* (Spring 2014). NC State University.
- *Preparing Future Faculty Fellow*. Duke University. Fall 2010 – 2011.
- *Guest lecturer* at Duke in “Ecology, Evolution, and Physiology of Infectious Disease.” 2010-2011.
- *Teaching assistant:*
 - Economics of Environmental Management. Fall 2007 & 2009.
 - Integrating Science and Policy. Fall 2008.
 - Sustainability and Renewable Resource Economics. Spring 2006 & 2011.
 - Resource and Environmental Economics. Fall 2005.