

RACHAEL D. GARRETT

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FIELDS OF INQUIRY

Environmental policy; tropical conservation; rural development; sustainable agriculture

EDUCATION

- 2013 Ph.D. *Environment and Resources (E-IPER)*, Stanford University, Stanford, CA
2006 M.P.A. *Environmental Science and Policy*, Columbia University, New York, NY
2003 B. A. *History and Environmental Analysis and Policy* (dual major), Boston University, Boston, MA
*Magna Cum Laude, Honors Program, Graduated in three years

APPOINTMENTS

- 2018-Present *Associate Director*, Land Use and Livelihoods Initiative, Global Development Policy Center, Boston University
2015-Present *Assistant Professor*, Department of Earth and Environment, Boston University
2015-Present *Faculty Associate*, Pardee Center for the Study of the Longer Range Future, Boston University
2015-Present *Core Faculty*, Center for Latin American Studies, Boston University
2013-2015 *Giorgio Ruffolo Postdoctoral Fellow in Sustainability Science*, J.F.K School of Government, Harvard University

HONORS, FELLOWSHIPS, & AWARDS

- 2015 *Pathways to Prosperity Paper Award*, Forests and Livelihoods: Assessment, Research, and Engagement conference
2015 Nominated for the *Norman Borlaug Award for Field Research*, Rockefeller Foundation
2014-2016 *Fulbright NEXUS Regional Scholar*, U.S. Department of State
2014-2015 *Science Engineering and Education for Sustainability Postdoctoral Fellowship*, NSF
2011-2013 *Richard and Rhoda Goldman Fellowship*, Stanford University
2011 *School of Earth Science Excellence in Mentoring Award*, Stanford University
2009-2011 *Richard L. Kauffman and Ellen Jewett Fellowship*, Stanford University
2003 *Franklin C. Erickson Prize for Excellence in Geography*, Boston University
2000-2003 *Presidential Scholarship*, Boston University

COURSES TAUGHT

Boston University

- GE 598 Key Debates and Emerging Research in Land Change Science
GE 460/660 Food, Energy, and Water Policy (Resource Economics)
GE 100 Environmental Change and Sustainability

Stanford University

- ENVRES 220 Agricultural Systems in Emerging Economies. Co-taught with P. Vitousek
ECON 106 World Food Economy, Lead TA. Instructors: W. Falcon; R. Naylor
ES 324 Agribusiness, Policy and Land Use Change in Brazil, TA. Instructors: L Martinelli; R. Naylor

PUBLICATIONS

(underlining indicates co-first authorship, *indicates work was led by my student advisee, **indicates work was led by a post-doc funded by a grant on which I am the PI)

Peer Reviewed Book Chapters:

1. **Garrett, R.**, Gil, J. and Valentim, J., *Forthcoming*. (Portuguese & English) Technology transfer: challenges and opportunities for the adoption of integrated crop-livestock-forestry systems in the Amazon. In *Integrated crop-livestock-forestry systems: A Brazilian experience for sustainable farming*. Eds. D. J. Bungenstab, R. G. Almeida, V. A. Laura, and L. C. Balbino, Brasilia: Embrapa.
2. Valentim, J. and **Garrett, R.** 2015. (Portuguese) Promoting the well-being of family farmers with the use of low carbon agriculture and forestry systems in the Amazon biome. In *Caminhos para uma agricultura familiar sob bases ecológicas: produzindo com baixa emissão de carbono*. Eds. Azevedo, A. A.; Campanilli, M.; Pereira, C., Brasília: IPAM.
3. **Garrett, R.** and Latiewec, A. 2015. (English) “Sustainability indicators – What are they for? In *Sustainability Indicators in Practice* Eds. A. Latiewec and D. Agol. Warsaw: De Gruyter.

Peer Reviewed Journal Articles:

1. Gardner, T.A. Benzie, M., Dawkins, E., Fick, S., **Garrett, R.**, et al., *Forthcoming*. “Transparency and sustainability in global commodity supply chains commitments,” *World Development*.
2. Carlson, K. and **Garrett, R.** 2018. “Environmental impacts of oil crop expansion in the tropics: Contrasting soybeans in South America with oil palm in Southeast Asia.” *Oxford Research Encyclopedia of Environmental Science*.
3. Lambin, E., Gibbs, H., Heilmayr, R., Carlson, K. M., Fleck, L., **Garrett, R.**, et al. 2018. “The road to zero deforestation supply chains.” *Nature Climate Change*. 8:109-116.
4. Niles, M., **Garrett, R.**, and Walsh, D. 2018. “Ecological and economic benefits and challenges for integrating sheep into viticulture production” *Agronomy for Sustainable Development*. 38(1).
5. **Garrett, R.**, Gardner, T., Fonseca, T., et al. 2017. “Explaining persistent poverty and environmental degradation in tropical agricultural-forest frontiers”. *Ecology and Society*. 22(3):27.
6. le Polain de Waroux, Y.**, **Garrett, R.**, Graesser, J., Lambin, E., and Nolte, C. 2017. “The restructuring of South American soy and beef production and trade under changing environmental regulations.” *World Development*.
7. **Garrett, R.**, Niles, M., Gil, J., Gaudin, A., Garbach, K., and 10 others. 2017. “Social-ecological analysis of integrated crop and livestock systems: Current knowledge and remaining uncertainty.” *Agricultural Systems*, 155: 136-146.
8. **Garrett, R.**, Niles, M., Gil, J.D.B., Dy, P., Reis, J., and Valentim, J. 2017. “Policy conditions for re-integrating crop and livestock systems: a comparative analysis.” *Sustainability*, 9(3): 473.
9. Rueda, X., **Garrett, R.**, and Lambin, E, 2017. “Corporate investments in supply chain sustainability: selecting instruments in the agri-food industry.” *Journal of Cleaner Production*, 42(4).
10. Gil, J.D.B.**, **Garrett, R.**, Berger, T., 2016. “Determinants of crop-livestock integration in Brazil: evidence from the household and regional levels.” *Land Use Policy*, 59:557-568.
11. **Garrett, R.**, Carlson, K., Rueda, X., and Noojipady, P., 2016. “Assessing the potential additionality of certification by the Round table on Responsible Soybeans and the Roundtable on Sustainable Palm Oil” *Environmental Research Letters*, 11 045003. **SI on “Food, Trade, and Environment”**
12. le Polain de Waroux, Y.** **Garrett, R.**, Heilmayr, R., and Lambin, E., 2016. “Land-use policies and corporate investments in agriculture in the Gran Chaco and Chiquitano” *Proceedings of the National Academy of Sciences*, 113:4021–4026

13. **Garrett, R. D.** and Rausch, L., 2016 “Green for gold: social and ecological tradeoffs influencing the sustainability of the Brazilian soy industry.” *The Journal of Peasant Studies*, 43(2):461-493. **SI on “Soy production in South America: Globalization, regionalization, and new agro-industrial landscapes”**.
14. **Garrett, R.**, Rueda, X., and Lambin, E., 2013. “Globalization’s unexpected impact on soybean production in South America: linkages between preferences for non-genetically modified crops, eco-certifications, and land use.” *Environmental Research Letters*, 8 044055. **ERL’s Annual Highlights (2013), Featured Article (March 2014), and IOP Select.**
15. **Garrett, R.**, Lambin, E., and Naylor, R., 2013. “The new economic geography of land use change: supply chain configurations and Land Use in the Brazilian Amazon.” *Land Use Policy*, 34: 265–275.
16. Gardner, T., Ferreira, J., Barlow, J., Lees, A., Parry, L., . . . **Garrett, R.** et al., 2013. “A social and ecological assessment of tropical land-uses at multiple scales: the Sustainable Amazon Network.” *Philosophical Transactions of the Royal Society – B*, 368: 1619. **SI on “Ecology, economy and management of an agroindustrial frontier landscape in the southeast Amazon”**
17. **Garrett, R.**, Lambin, E., and Naylor, R. 2012. “Land institutions and supply chains as determinants of local soy planted area and yields.” *Land Use Policy*, 31: 385-396.
18. Martinelli, L., **Garrett, R.**, Ferraz, S., and Naylor, R., 2011. “Sugar and ethanol production as a rural development strategy in Brazil: evidence from the state of São Paulo.” *Agricultural Systems*, 104: 419–428.

Articles and chapters in review:

1. **Garrett, R.D.**, Koh, I., Lambin, E.F., le Polain de Waroux, Y., Kastens, J., and Brown, J.C. “Intensification in agriculture-forest frontiers: land use responses to development and conservation policies in Brazil.” In review at *Global Environmental Change*.
2. Gardner, C., Hartle, J., **Garrett, R.** Offringa, L., and Wasserman, A. “Amount and type of protein produced and consumed in America: Maximizing the intersection of human health and the health of the environment.” In review at *Nutrition Reviews*.
3. Gil, J.D.B.***, **Garrett, R.**, Rotz, A., Daioglou, V., Valentim, J. Pires, G. F., Costa, M.H., Lopes, L., and Reis, J. “Tradeoffs in the quest for climate smart agricultural intensification in Mato Grosso, Brazil.” In review at *Environmental Research Letters*.
4. **Garrett, R.D.** and Rueda, X. Telecoupling and consumption. Book chapter in review for *Global Land-Use Change: The relevance of telecoupling research*. Editors: Jonas Østergaard Nielsen and Cecilie Friis, Palgrave Macmillan, Basingstoke, United Kingdom.

Articles in preparation:

1. Cortner, O.*, **Garrett, R.**, Valentim, J., Niles, M., Ferreira, J., and Reis, J.C. Local perceptions of benefits and challenges to adopting integrated crop and livestock systems in Brazil.
2. Cammelli, F. and **Garrett, R.** Fire risk causes persistent poverty and fire use in the Brazilian Amazon. For submission to *Journal of Environmental Economics and Management*.
3. **Garrett, R.**, Levy, S., Carlson, K., Gardner, T. et al. Designing effective zero-deforestation commitments. For submission to *Global Environmental Change*.
4. **Garrett, R.**, de la Barrera, E., Grant, S., Onofre, J., Barragal, J. “Vulnerability to climate change in sub-tropical coffee systems: a multi-scale, comparative analysis of Mexico, Jamaica, Ecuador, and Brazil” For submission to *Ecology and Society*.
5. Morello, T., Feres, J., Gardner, T, **Garrett, R.**, Tancredi, N. Parry, L., Barlow, J., and Ferreira, J., “Accidental fires and land use in the Brazilian Amazon: farm-level evidence.” For submission to *Environment and Development Economics*.

6. Hayek, M. and **Garrett, R.** Spatial Distribution of US beef cattle on feedlots and obstacles for management shifts. For submission to *Environmental Research Letters*.
7. **Garrett, R.**, Valentim, J., Harley, A., and Clark, W. “Leverage points for smallholder innovation in Brazil.” For submission to *World Development*.

Policy briefs:

1. **Garrett, R.**, Lambin, E. and le Polain de Waroux, Y. 2017. (Spanish and English) To Eliminate Deforestation in South America, Reduce Differences in Regulations across Regions and Actors. ISID Policy Brief PB 2017-05. Montreal, Canada: Institute for the Study of International Development, McGill University.
2. Gardner T.A., Godar J., **Garrett R.D.** 2016. (Portuguese) Caminhos para paisagens mais sustentáveis. Rede Amazônia Sustentável
3. Gardner T.A., Godar J., **Garrett R.D.** 2014. (English) Governing for sustainability in agricultural-forest frontiers: A case study of the Brazilian Amazon. Stockholm Environment Institute Discussion Brief.

Popular articles:

1. **Garrett, R.** and Ferreira, J. November 10, 2017. Política agrícola na Amazônia. Valor Econômico. São Paulo, Brazil: <http://www.valor.com.br/opiniaio/5188743/politica-agricola-na-amazonia>
2. **Garrett, R.** October 24, 2017. For cattle farmers in the Brazilian Amazon, money can't buy happiness. The Conversation. Cambridge, United States: <https://theconversation.com/for-cattle-farmers-in-the-brazilian-amazon-money-cant-buy-happiness-85349>

GRANTS (\$1.5 million in direct support)

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| 2018-2020 | Global Development Policy Center “Land Use and Livelihood Initiative,” PIs – R. Garrett, A. Short-Gianotti, J. Klinger \$100,000. |
| 2017-2020 | NSF Geography and Spatial Sciences, “Assessing the influence of zero-deforestation supply chain commitments on the conservation of ecosystems.” PI – R. Garrett , CO-PIs – K. Carlson (UH-Manoa), N. Villoria (KSU), \$400,000. |
| 2017-2020 | NASA Land Cover/Land Use Change “Comprehensive analysis of thirty years of land change in Georgia: patterns, carbon dynamics and drivers”. PI - Pontus Olofsson (Boston U.), CO-Is, R. Garrett , C. Woodcock, \$640,385 total; \$250,000 to R. Garrett. |
| 2017-2019 | Catalyst Fund “Assessment of integrated sheep-viticulture systems.” PI – V. Snow (AgResearch NZ), CO-PIs – R. Dynes (AgResearch NZ), M. Niles (UVM), Collaborators – R. Garrett , A. Gaudin (UC Davis), \$9,900 to R. Garrett. |
| 2016-2017 | Fulbright Foundation NEXUS Regional Scholar Program, “ <i>Technology-based climate change impact mitigation in small coffee farms in Jamaica and Mexico.</i> ” PI – J. Onofre Pinto (Federal University of Mato Grosso do Sul), CO-PI – R. Garrett , \$2,000 to R. Garrett. |
| 2016-2018 | National Center for Socio-Environmental Synthesis, “ <i>Assessing the potential influence of zero-deforestation corporate supply chain commitments on tropical land cover.</i> ” Lead PIs- R. Garrett and K. Carlson (UH), \$100,000. (Supported by NSF #1052875 to PI- M. Palmer). |
| 2016-2017 | Gordon and Betty Moore Foundation, “ <i>Strengthening supply chain interventions for deforestation-free cattle and soy production in the Brazilian Amazon and Cerrado Biomes.</i> ” PI- H. Gibbs (UW-Madison), CO-PI- R. Garrett , \$29,415 to R. Garrett.. |
| 2015-2017 | Gordon and Betty Moore Foundation “ <i>Governance, displacement, and intensification in the soy and cattle commodity chains of South America</i> ” PI – E. Lambin (Stanford U.), CO-PI – R. Garrett , \$111,340 to R. Garrett. |

- 2015-2016 NSF Interactions of Food Systems with Water and Energy Systems: “Closing the loop in water, energy, and nutrient cycles in agricultural systems” #1541766, PI – **R. Garrett**, \$65,353.
- 2014-2016 NSF Science Engineering and Education for Sustainability: “Improving agricultural practices in the US and Brazil for sustainable development: Enabling conditions for innovation through integration” #1415352, PI – **R. Garrett**, \$327,981.
- 2014-2016 Fulbright Foundation NEXUS Regional Scholar Program, “Climate change and food and water security in the Americas.” PI – **R. Garrett**, \$35,000.
- 2014-2015 Harvard University Sustainability Science Program, “Diversifying and integrating agricultural practices in Brazil, New Zealand, and the United States for climate smart agriculture and sustainable development.” PIs – **R. Garrett** and M. Niles, \$15,500.

PRESENTATIONS & CONFERENCES

Invited presentations:

- Boston Annual Global Food+ Symposium. “Scaling Up Sustainable Intensification,” Boston, USA. Feb. 2018.
- Boston University Research on Tap. “Global Development Policy,” Boston, USA. Feb. 2018.
- Boston Annual Global Food+ Symposium. “The Role of Supply Chains in Agricultural Conservation and Development,” Cambridge, USA. Feb. 2017.
- Harvard University Sustainability Science Symposium. “Measurement, Models and Methods for Sustainability Science: Human dimensions,” Cambridge, USA. May 2016.
- National Academy of Sciences Climate Resilience in the Americas Seminar. “Social Vulnerability to Climate Change in Sub-tropical Coffee Systems: A Multi-scale, Comparative Analysis of Mexico, Jamaica, and Brazil,” Washington D. C., USA. May 2016.
- Gordon and Betty Moore Foundation The Road to Zero Deforestation. “What is the Additionality in Avoided Deforestation Provided by the Round Table on Responsible Soybeans and Roundtable on Sustainable Palm Oil?” Palo Alto, USA. Apr. 2016.
- Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) Conference, Invited paper presentation, “Pathways to Improved Well-being in Agricultural-forest Regions” Paris, France Nov. 2015.
- Harvard University Just Food? Forum on Justice in the Food System “Climate Change and Agriculture.” Cambridge, USA Mar. 2015.
- Brazilian Agricultural Research Corporation (Embrapa). “Opportunities and Challenges for the Adoption of Integrated Crop and Livestock Systems in the Brazilian Amazon” Belém, Brazil July 2015 and Rio Branco, Brazil, Mar. 2015.
- International Food Policy Research Institute Modeling Workshop. “How to Incorporate Supply Chain Dynamics into Models.” Washington D. C., USA. Dec. 2014.
- Stockholm Environment Institute Brown Bag Lunch. “Soybean supply chains, land use, and governance in the Brazilian Cerrado” Stockholm, Sweden Mar. 2014.
- University of Colorado Boulder Environment Studies (Job Talk). Boulder, USA Feb. 2014.
- Boston University Earth and Environment (Job Talk). Boston, USA Feb. 2014.
- UC Davis Community and Regional Development (Job Talk). Davis, USA Feb 2014.
- Boston University Pardee School for Global Affairs (Job Talk). Boston, USA Dec. 2013.
- UC Berkeley Faculty Workshop on Sustainable Farming Systems. “The economic & institutional context of soybean sustainability measures in Brazil”. Berkeley, USA. Oct. 2014.

Third Annual Lemann Dialogues “Agricultural and Environmental Issues in Brazil”. Champagne, USA. Nov. 2014.

Harvard University David Rockefeller Center for Latin American Studies Brazil Seminar Series. Cambridge, USA. Nov., 2014.

Feeding 9 Billion Conference: Future of Intensive Agriculture in Brazil. Providence, USA, Mar. 2012.

Stanford University Center for Latin American Studies Weekly Seminar Series. “*The Macroeconomic Drivers and Social and Environmental Consequences of Soybean Expansion in Brazil.*” Stanford, USA. Nov. 2011.

Invited workshops and panels:

National Science Foundation “Innovations at the Nexus of Food, Energy, and Water Systems Principal Investigators Workshop.” Washington D. C., USA. April 2017.

Global Land Project & ERC 677140 MIDLAND workshop - “Middle-range theory development in land system science: Beyond box-and-arrows frameworks,” Weggis, Switzerland. Mar. 2017

International Food Policy Research Institute. “Cities and the Future of Agriculture and Food Security.” Washington D. C., USA. Mar. 2016.

Boston University Graduate Women in Science and Engineering (GWISE). “Surviving the Grad School Slump”. Boston, USA. Feb. 2016.

Boston University Global Programs. “Waste to Energy”, Boston, USA Nov. 2014.

Harvard University Workshop on Innovation for Vulnerable Farmers. “Drought and Water Scarcity Adaptation Technologies.” Boston, USA. Sept. 2014.

Workshops organized:

“Land Use Spillover and Leakage Effects Workshop,” hosted by University of Bonn, University Catolique de Louvain, Stockholm Environment Institute, and SDSN Germany, Berlin, Germany Nov. 2017.

“Understanding Barriers to the Wide-scale Adoption of Integrated Crop, Livestock and Forestry Systems and Potential Impacts” A partnership between Boston University and Embrapa, Belém, Brazil Aug. 2017.

“Assessing the Potential Influence of Zero-deforestation Corporate Supply Chain Commitments on Tropical Land Cover,” SESYNC Pursuit, Annapolis, MA Nov. 2016.

“Synergies for Food Production, Conservation and Rural Development in a Changing Climate,” Ecological Society of America Annual Conference, Baltimore, USA July 2015.

“Sustainable Supply Chains,” Association of American Geographers (AAG) Annual Conference, Chicago, USA April 2015.

“Workshop on Integrative Social and Ecological Modeling of Crop and Livestock systems,” Univ. California, Davis USA April 2015.

“Harvard Colloquium on Innovative Adaptation to Climate Change,” Cambridge, USA 2014-2015

“Young Environmental Scholars Conference,” Stanford University, Stanford, USA May 2012.

“Geographies of Land Use in the Cerrado and Amazon,” AAG Annual Conference, New York, USA February, 2012.

“Interdisciplinary Waters Workshop,” Stanford University, Stanford, USA 2010-2012.

“Environmental Norms, Institutions, and Policy,” A bi-weekly workshop. Stanford University Stanford, USA 2008-2010.

Other conference presentations and workshops:

American Geophysical Union Annual Meeting - “Agricultural intensification in the Brazilian agricultural-forest frontier: land use responses to development and conservation policy,” New Orleans, USA, Dec. 2017.

Association of American Geographers Annual Meeting - "Land use spillovers in the South American soy and cattle systems," Boston, USA, April 2017.

Ecological Society of America - "Scaling up sustainability: enabling policies for integrated crop and livestock systems the United States, Brazil, and New Zealand". Baltimore, USA, Aug. 2015.

World Congress on Integrated Crop-Livestock-Forest Systems - "Enabling conditions for integrated crop and livestock systems in the United States, Brazil, and New Zealand: a comparative analysis of incentives and barriers across three regions." July 2017.

Association of American Geographers Annual Meeting - "Tradeoffs between integrated and specialized crop and livestock systems in Brazil and the US. Association of American Geographers." Chicago, USA, Apr. 2015.

Global Land Project Open Science Meeting - "Interactions between Land Use, Supply Chains, & Development in Mato Grosso, Brazil" Berlin, Germany, Mar. 2014

Association for Tropical Biology & Conservation Annual Meeting - "Supply chain configurations and land use in the Brazilian Amazon: a comparative analysis of two soy frontiers." Bonito, Brazil, June 2012

Association of American Geographers Annual Meeting - "Land institutions and supply chains as determinants of local soy planted area and yields." New York, USA, Feb. 2012.

Association of American Geographers Annual Meeting - "A spatially explicit model of soybean production in Brazil." Washington DC, USA, Feb. 2012.

ADVISING EXPERIENCE

Doctoral students

Advisor, Sam Levy (2017-Present) – Boston University, Dept. of Earth and Environment

Committee Member, Radost Stanmirova (2017-Present) – Boston University, Dept. of Earth and Environment

Advisor, Ilyun Koh (2015-Present) – Boston University, Dept. of Earth and Environment

Committee Member, Kira Sullivan Wiley (2016) – Boston University, Dept. of Earth and Environment

Master students

Thesis Committee Member, Alexander Jasset (2016) – Boston University, Dept. of International Relations

Thesis Committee Member, Rebecca Cowing (2016) – Boston University, Dept. of International Relations

Thesis Advisor, Gabrielle Bastien (2016) – Harvard University Extension

Thesis Advisor, Owen Cortner (2016) – University of California Davis, International Development

Research Advisor, Philip Dy and Jared Westheim (2014) – Harvard University JFK School of Government

Research Advisor, Various Joint MBA-MS students (2011-2013) – Stanford University Environment and Resources Program

Undergraduate students

Research advisor, Brianna Swette and Sophie Theis (2010) – Stanford University, Earth Systems Program.

Directed study co-advisor, Tony Pham (Fall 2017) Boston University, Dept. of Earth and Environment

ADDITIONAL TRAINING

National Socio-Environmental Synthesis Center "Computational Summer Institute," Annapolis, USA, 2017.

Boston University Center for Teaching and Learning "How Learning Works," Boston, USA, 2016.

National Socio-Environmental Synthesis Center "Teaching Socio-Environmental Synthesis with Case Studies," Annapolis, USA, 2015.

FORMAL PARTNERSHIPS

Technical Cooperation Project and Memorandum of Understanding between the Department of Earth and Environment at Boston University and the Brazilian Agricultural Research Corporation (EMBRAPA) for the project: "Diversifying and integrating agricultural practices in Brazil for climate adaptation and sustainable development" (2015-Present).

PROFESSIONAL SERVICE

University service

2018	Truman Scholarship Nomination Committee, Boston University
2017-Present	Faculty Council Sustainability Committee, Boston University
2017	Department of Earth and Environment Merit Review Committee, Boston University
2015-2016	Human Dimensions of Global Change Faculty Search Committee, Boston University
2015	Environmental Analysis and Policy Curriculum Assessment Committee, Boston University
2012-2013	Center for Teaching and Learning (CTL) Liaison, Stanford University
2010-2011	Student representative on E-IPER Executive Committee, Stanford University
2009-2010	E-IPER Student Committee Representative, Stanford University
2005-2006	Class President, MPA in Environmental Science and Policy, Columbia University
2001-2003	Admissions Regional Student Speaker, Boston University
2001-2002	Treasurer, College of Arts and Sciences Student Government Boston University

Reviews

Journals (# of reviews): Environmental Research Letters (3); Ecology and Society (2); Global Environmental Change (2); Frontiers in Ecology (1); Applied Geography (2); Geoforum (1); Geographical Analysis (1); Global Change Biology (1); Journal of Transportation Studies (1); Land Use Policy (4); Land Degradation and Development (1); Nature Climate Change (1); Philosophical Transactions of the Royal Society – B (1); Sustainability (1); World Development (1); Biofuels, Bioproducts, and Biorefining (1); Climatic Change (1); Earth Interactions (1); Regional Environmental Change (1).

Grants: National Science Foundation - Geography and Spatial Sciences (3).

Conference Abstracts: Society for Conservation Biology, 2017 ICCB

FIELD EXPERIENCE

2015-Present	<i>California, United States</i> – Surveys and interviews with various types of farmers
2011-Present	<i>Acre, Pará, and Mato Grosso, Brazil</i> – Surveys and interviews with soy and cattle producers
2015-Present	<i>Jamaica, Brazil, and Mexico</i> – Surveys and interviews with coffee producers
2008	<i>Connecticut, United States</i> - Farm apprentice at Woodbridge Farm
2006	<i>Ecuador</i> - Conservation volunteer at Tsuraku Indigenous Reserve
2000	<i>Costa Rica</i> - Intensive field ecology course with Episcopal Academy

DATA ANALYSIS SKILLS R, ArcGIS, Spatial statistics, econometrics, Dynamic modeling and optimization

LANGUAGES Portuguese (conversational), Spanish (working knowledge)

MEMBERSHIPS Global Land Project, Association of American Geographers, Ecological Society of America, American Geophysical Union, International Association of Landscape Ecology, Brazil Studies Association, Association of Tropical Biology and Conservation.