

KATHERINE BROWNE

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EDUCATION

University of Michigan, School of Natural Resources and Environment	Ann Arbor, MI
Doctoral Student, Natural Resource Policy and Behavior	Current
GPA: 4.0/4.0	
University of Michigan, School of Natural Resources and Environment	Ann Arbor, MI
Masters of Science in Environmental Justice	May 2015
GPA: 3.98/4.0	
University of Michigan, Ford School of Public Policy	Ann Arbor, MI
Graduate Certificate in Science and Technology Public Policy	May 2015
GPA: 4.0/4.0	
College of Charleston, School of Humanities and Social Sciences	Charleston, SC
Bachelor of Arts in Religious Studies	May 2009
GPA: 3.89/4.0 (Magna Cum Laude)	

HONORS AND AWARDS

Digital Education and Innovation Scholar	August 2016
· Selected participant in innovative project for student-faculty co-design of online curriculum to guide student action on climate change	
Selected Student Commencement Speaker	May 2015
· Selected to represent student body at graduate commencement	
Most Outstanding Graduate Student Instructor	April 2015
· Selected by students of School Natural Resources and Environment for excellence in teaching and mentorship	
Paul D. Coverdell Peace Corps Fellow	Aug 2013
· Awarded to outstanding Returned Peace Corps Volunteers to reinforce and enhance the skills learned in fieldwork	
School of Humanities and Social Sciences Scholar	May 2009
· Awarded to two top students in each major as recognition for the impressive body of academic work amassed during career	
Religious Studies Most Outstanding Student Award	May 2009
· Awarded annually to the most outstanding student in major	
Most Outstanding Department Essay	May 2008
· Awarded annually to the most outstanding work of written scholarship	
Nominated Academic All-American (Soccer)	2007, 2008
· Nominated for exemplary academic and athletic achievement	

GRANTS

Rackham Graduate Student Research Grant · Awarded \$1,500 to support research at the 22 nd Conference of the Parties in Marrakesh, Morocco	Nov 2016
Curriculum Development Grant · Awarded \$6,000 to develop two case studies for new School of Natural Resources and Environment course on Nonprofit Management	Oct 2015
SNRE Research Presentation Travel Grant · Awarded \$250 to defray cost of presentation “Understanding Ebola as a “Social Disease” at the American Association of Geographers Conference	Apr 2015
Rackham Conference Travel Grant · Awarded \$1,500 to defray cost of presenting at the 20th Conference of Parties (UN International Negotiations on Climate Change) in Peru	Nov 2014
SNRE Academic Dean Funds Grant · Awarded \$1,500 to defray cost of travel to COP20 in Lima, Peru	Nov 2014
Marshall Weinberg Internship Program Grant · Awarded \$4,500 for research internship on socioeconomic determinants of zoonotic disease risk in rural Kenya	May 2014
African Studies Center Student Research Grant · Awarded \$1,500 for research internship in rural Kenya	May 2014
SNRE Master’s Project Research Grant · Awarded \$1,500 for research project exploring differential access to public lands on Kruzof Island, Alaska	May 2014
UNICEF Collaborative Grant for Environmental Education · Awarded \$1,000 to implement a 35 student-action course in Madagascar, focusing on youth environmental awareness through interactive principles	Jul 2012
College of Charleston Research Presentation Grant · Awarded \$200 to defray cost of participation in Undergraduate Research Panel Discussion at Southeast Commission for Study of Religion	Mar 2009

PUBLICATIONS

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- Lemos, M. and **K Browne**. “Environmental Science and Public Policy.” *Companion to Environmental Studies*. New York: Routledge. In press.
- Browne, K., A Agrawal, and L Katz. Futures of Conservation Funding: Can Indonesia sustain financing of the Bird’s Head Seascape? Michigan Sustainability Cases. 2016.
- Hardin, R., A Bhargava, C Bothner, **K Browne**, S Kusano, A Agrawal, A Golrokhian, M Wright, P Zhu Zeng. Towards a Revolution in Sustainability Education: vision, architecture, and assessment in a case-based approach. *World Development Perspectives* (1) 2016: 58-63.
- Golrokhian, A., K Browne, R Hardin, A Agrawal, K Askew, L Beny, B Larroquette, B Morse. A National Adaptation Programme of Action: Ethiopia’s Response to Climate Change. *World Development Perspectives* (1) 2016: 53-57.

K. Browne, R Hardin, A Agrawal, P Zhu Zeng, C Bothner, A Golrokhian, A Bhargava, S Kusano, M Wright. *Proceedings of Dakar 2016: Innovation, Transformation, and Sustainable Futures for Africa*. Forthcoming.

WORKING PUBLICATIONS

Browne, K. Political and Economic Drivers of the Ebola Crisis. *In* Socioemergence: Cultural Economy and Historical Ecology of Viral Disease in Tropical Forests. R Hardin (ed). (Spring 2015).

Hardin R. and **K. Browne** (eds). Science Environments in Africa: Portraits of Partnership. (Fall 2017).

Browne, K., P Larson, J Jackson. The Use of Technology in Developing Country Surveys: interpersonal and logistical considerations. Presentation and analysis of findings from 17 in-depth surveys with community health surveyors exploring how changes in data collection technology impact the quality and nature of the data.

UNDERGRADUATE PUBLICATIONS

Browne, K. 2009. Religion and Presidential Elections: From Accusations of Atheism to Proclamations of the Born Again." *Chrestomathy* (8).

Browne, K. 2008. Torture at Abu Ghraib: The Terrorist Tactics of a Modern Democracy and the Oppression of the Muslim "Other." *Chrestomathy* (7).

PRESENTATIONS

Browne, K., M Burbidge, and M Vedrin. Creative Aspects to Evaluation: Using multiple data sources to evaluate a participatory workshop in Gabon. Michigan University-Wide Sustainability and Environment. February 10, 2017. University of Michigan, Ann Arbor, MI.

Browne, K. Environmental Justice in the Climate Change Era. Global Citizenship in Practice. December 3, 2016. University of Michigan, Ann Arbor, MI.

Browne, K. Michigan Sustainability Cases: Towards a Revolution in Sustainability Education. African Studies Association. June 3, 2016. Dakar, Senegal.

Browne, K. Partnership and Collaboration in Africa. The Central African Biodiversity Alliance Professional Development Workshop. July 24, 2015. Franceville, Gabon.

Browne, K. Understanding Ebola as a Social Disease. American Association of Geographers Annual Meeting. April 24, 2015. Chicago, IL.

Browne, K., A Langeland, S Shattuck. Ocean and Coastal Adaptation to Climate Change: Measurement, Mitigation, and Educating Stakeholders. December 1, 2014. The UN Framework Convention on Climate Change 20th Conference of Parties. Lima, Peru.

Espira, L., C Grabow, **K Browne**, A Wang, S Browne, M Kinnaird, S Deem, J Njoka, S Wanyoike, E Fevre, JN Eisenberg, J Foufopolous, R Hardin, P Lason. Q-Fever in Kenya: Zoonotic Transmission across Heterogeneous Landscapes. M-Cubed Symposium. October 9, 2014. University of Michigan, Ann Arbor, MI.

- K. Browne.** Religious Studies to Environmentalism. *For the Religious Studies Capstone Seminar.* April 10, 2014. The College of Charleston, Charleston, SC.
- K. Browne.** The Makira Project: Neoliberalism Reaches a Remote Region. *Dimensions of Political Ecology.* University of Kentucky, Lexington, KY.
- K. Browne.** Madagascar: An Environmental Conundrum. *For An Introduction to Environmental Problems.* September 7, 2012. Wake Forest University, Winston-Salem, NC.

RESEARCH EXPERIENCE

Great Lakes Integrated Sciences and Assessments (GLISA) Ann Arbor, MI
Doctoral Student Researcher Aug 2016- Current

- Conducting a Social Network Analysis of climate knowledge transfer through nested networks of scientists, policymakers, planners, and government officials.
- Collaborating with climate modelers to develop scenarios for a diverse set of end-users.

UN SD Education Caucus Delegation to the 20th Conference of Parties (COP) Lima, Peru
Youth Coordinator May 2014- Current

- Authored and submitted funding proposal to support annual student delegation to COP 20.
- Coordinated preparatory sessions and materials for student delegates.
- Directed research team of 30 Masters students during three-week period of conference.
- Delivered side-event presentation on youth involvement in climate change negotiations.

REFRESCH Project, University of Michigan Energy Institute Lambaréné, Gabon
Gabon Program Assistant May 2015-June 2016

- Lead in-country project representative, responsible for developing and maintaining collaborative research partnerships and networks.
- Coordinated logistics and planning for one-week capacity building workshop exploring innovative solutions to food, water, and energy challenges in rural communities.
- Directed community outreach operations with local villages and leaders.
- Co-managed pre- and post-workshop assessments to ensure community benefits and research outcomes.

Michigan Sustainability Cases Ann Arbor, MI
Grant Development Coordinator Aug 2015-Current

- Coordinated implementation of successful \$1.5 grant proposal for innovative new case-based learning platform through the highly-competitive University of Michigan Third Century Initiative.
- Developed with student team a prototype website featuring two complete case studies, highlighting the complexity of environmental fieldwork and decision-making.
- Responsible for editing cases and teaching guides, curating multimedia components, and guiding interviews and podcast development.

Sitka Conservation Society

Sitka, Alaska

Masters' Project Policy and Justice Consultant

Feb 2014-May 2015

- Assembled independent report on environmental justice considerations and implementation gaps of current land management policies on Kruzof Island as interdisciplinary team member.
- Designed and distributed 2,300 15-question surveys on public perception of land management practices; findings collated into publicly-circulated report.
- Conducted 15 semi-structured stakeholder and expert interviews in Sitka.

Nagasaki University Institute of Tropical Medicine

Nairobi, Kenya

Research and Policy Intern

May-July 2014

- Directed data collection teams in three separate sites: collected 450 surveys on zoonotic disease vulnerability in 6 weeks.
- Managed survey administration and logistics; ensured data integrity through oversight of formal 3-day survey training.
- Conducted 17 intensive interviews with community health workers on role of technology in data collection and development.

M-Cubed Research Team, Interspecies Disease Transmission Dynamics

Ann Arbor, MI

Research Assistant

Aug 2013-Dec 2014

- Coordinated field research and grant writing for interdisciplinary faculty-led research project.
- Responsible for Internal Review Board (IRB) requirements and revisions to scientific publications on emergent disease.
- Directed two undergraduate students research and interview transcription.

WCS and Population Services International

Maroantsetra, Madagascar

Data Analyst/Peace Corps Extension

Jan 2012-Feb 2013

- Collated results of USAID-funded household illness impact surveys conducted in WCS' MaMaBay Protected Landscape.
- Assembled data from 10,000 surveys, spanning 40,000 individuals, 5 districts, and 130 villages to represent detailed baseline of human risk and investment in health.
- Analyzed data to assess effects of illness on rural Malagasy communities and relationship between poverty, local population pressures, and environmental degradation.

TEACHING EXPERIENCE**University of Michigan, Program in the Environment**

Ann Arbor, MI

Graduate Student Instructor

Jan-May 2015

- Obtained competitive position teaching undergraduate Program in the Environment (PITE) course: Culture, Environment, and Adaptation.
- Designed and led 2 weekly 1-hour class discussion of 30 students each; graded 300 papers and projects, while maintaining full course load.
- Successfully piloted new university-wide online learning platform, CANVAS.

University of Michigan, School of Natural Resources and Environment Ann Arbor, MI
Graduate Student Instructor Aug-Dec 2014

- Obtained competitive position teaching graduate student core course: Environmental Governance and Decision-Making.
- Designed and led 3 weekly 2-hour class discussions of 25 students each.
- Graded 75 papers a week, while maintaining full course load.

Wildlife Conservation Society (WCS) Maroantsetra, Madagascar
UNICEF-Funded Environmental Education Programmer Jan 2012–Feb 2013

- Developed curriculum for a series of UNICEF-funded environmental education programs.
- Coordinated two local UNICEF programs: The Future We Want Appreciative Inquiry sessions, Rio+20 Conference on Sustainable Development Community Mapping Project.
- Implemented 35-student action course, executing UNICEF collaborative grant (\$1,000).

European Association for the Study and Protection of Lemurs Antsohihy, Madagascar
Climate Change Educator Nov-Dec 2011

- Directed two two-day trainings for 30 local environmental workers and ecotourism guides.
- Explained and discussed climate change and potential ramifications in Madagascar in local dialect of Malagasy.

College of Charleston, Center for Student Learning Charleston, SC
Professor-Nominated Tutor Apr 2007-May 2009

- Worked by reference, tutoring in Religious Studies (major) and History.
- Tutored over 20 students, identifying new study methods and explaining subject matter.

WORK EXPERIENCE

International Institute of Sustainable Development New York City, New York
Writer Nov 2016-Current

- Report on climate-related multilateral environmental agreements, including proceedings of the United Nations Framework Convention on Climate Change (UNFCCC).
- Produce daily reports, summaries, and analyses of the negotiations for the *Earth Negotiations Bulletin*, IISD's flagship publication.
- Provide objective coverage for 4-6 major events per year.

United States Peace Corps Ambanja, Madagascar
Environment Sector Volunteer Jan 2010-Feb 2012

- Designed and implemented environmental education program in local middle and high schools for over 150 students.
- Assisted in coordination of National Parks reforestation projects (mangrove and terrestrial).
- Conducted community trainings to promote use of fuel efficient cookstoves and composting.

United States Forest Service

Bishop, California

Inyo National Forest Trail Crew Intern

May-Aug 2007

- Constructed, repaired, and maintained backcountry trails as member of ten-person team.
- Participated in ten nine-day tours, with average mileage of 15 miles hiked per day.

SKILLS AND COMMUNICATION

Languages

- Malagasy (Madagascar): speaking and writing, high intermediate.
- French: speaking and writing, conversational.

Radio ("It's Hot in Here," University of Michigan Environmental Affairs Show)

- Co-Producer and co-host of "[Climate Justice](#)" (Oct 2015), discussing climate disparities.
- Co-Producer and co-host of "[Science and Social Conflicts in Climate Planning](#)" (Aug 2015), exploring challenges in climate adaptation and development.
- Guest on "[Climate Week](#)" (Nov 2014) discussing the UN International climate negotiations.

Computer Skills

- ArcGIS; Microsoft Office (Word, Excel, Powerpoint, Access); Stata.

Photography

- Founder of [Sights Unseen Photography](#), featuring photographs from 35 countries.
- Photographs featured in the South Carolina Aquarium's "[Madagascar Journey](#)" exhibit (2012).
- Photo essay "[Madagascar the Beautiful](#)" published in College of Charleston magazine (2012).
- Featured on [Conservation through Poverty Alleviation](#), [LAFAZA](#), and [Posh Corps](#).
- Contributor to BBC's "[World's Most Dangerous Roads](#)" documentary (2011).
- Lead local photographer: Wildlife Conservation Society [Mamabaie Interpretive Center](#) (2012).

Blog

- Authored [blog with personal and professional reflections](#) on conservation, development, culture, and education in Madagascar, with over 40,000 hits.
- Authored piece "[COPtimism 20.0](#)" featured on SNRE blog (Dec 2014).
- Interview transcript featured on "[Meet the SNREds](#)" on SNRE blog (Aug 2015).