

Anne G. Short Gianotti

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EDUCATION

- 2010 Ph.D. Energy and Resources, University of California Berkeley
2005 M.S. Energy and Resources, University of California Berkeley
2002 B.S. Mathematics, Harvey Mudd College

ACADEMIC APPOINTMENTS

- 2012 - Faculty Fellow, Frederick S. Pardee Center for the Study of the Longer-Range Future, Boston University
2010 - Assistant Professor, Earth and Environment and Graduate Faculty of Political Science, Boston University

FELLOWSHIPS, AWARDS, AND HONORS

- Outstanding Graduate Student Instructor, University of California Berkeley, 2008
- National Science Foundation Graduate Research Fellowship, 2004
- Switzer Environmental Fellowship, 2004
- Human Rights Center Summer Fellowship, 2004
- Watson Fellowship, 2002
- The William and Margaret Radley Prize in the Humanities and Social Sciences, Harvey Mudd College, 2002

PUBLICATIONS * indicates graduate student author

Manuscripts in review

Short Gianotti, A.G., A. Milman, and B.P. Warner “Flood Concerns and Impacts on Rural Landowners: An Empirical Study of the Deerfield Watershed, MA (USA)” [in review, *Environmental Science and Policy*]

Kittredge, D.B., J.R. Thompson, L. Morreale, **A.G. Short Gianotti**, and L.R. Hutyra “Three Decades of Forest Harvesting along a Suburban-Rural Continuum” [revise and resubmit, *Ecosphere*]

Peer-reviewed publications

Sullivan-Wiley, K.,* and **A.G. Short Gianotti** (2017) “Risk Perception in a Multi-Hazard Environment” *World Development*

Milman, A., B.P. Warner, D.A. Chapman, and **A.G. Short Gianotti** (2017) “Identifying and quantifying landowner perspectives on integrated flood risk management in

Massachusetts, USA” Special issue on Land for Flood Risk Management, *Journal of Flood Risk Management* doi: 10.1111/jfr3.12291

- Short Gianotti, A.G.**, J. Harrower,* G. Baird,* and S. Sepaniak* (2017) “The Quasi-Legal Challenge: Assessing and Governing the Environmental Impacts of Cannabis Cultivation in the North Coastal Basin of California” *Land Use Policy* 61: 126-134.
- Nalepa, R.,* **A.G. Short Gianotti**, and D.B. Bauer (2016) “Marginal land and the global land rush: a spatial exploration of contested lands and state-directed development in contemporary Ethiopia” Special issue on Rendering Land Investible, *Geoforum* <http://dx.doi.org/10.1016/j.geoforum.2016.10.008>
- Short Gianotti, A.G.** and P.T. Hurley (2016) “Gathering plants and fungi along the urban-rural gradient: Uncovering differences in the attitudes and practices among urban, suburban, and rural landowners” *Land Use Policy* 57: 555-563.
- Decina, S.,* L.R. Hutyra, C.K. Gately,* J.M. Getson, A.B. Reinmann, **A.G. Short Gianotti**, and P.H. Templer (2016) “Soil respiration contributes significantly to urban carbon fluxes” *Environmental Pollution* 212: 433-439.
- Short Gianotti, A.G.**, J.M. Getson, L.R. Hutyra, and D.B. Kittredge (2016) “Defining urban, suburban, and rural: A method to link perceptual definitions with geospatial measures of urbanization in central and eastern Massachusetts” *Urban Ecosystems* 19(2): 823-833.
- Short Gianotti, A.G.** and T.P. Duane (2015) “Learning to Listen: How Collaborative Dialogue in Regulation Influences Landowner Adoption of Best Management Practices on Unregulated Lands” *Environment and Planning C* 34(2): 320-339.
- Carah, J., J. Howard, S. Thompson, **A.G. Short Gianotti**, S. Bauer, S. Carlson, M. W. Gabriel, L. Hulette, S. Kupferberg, S. Martin, R. Naylor, and M. Power (2015) “High time for conservation: Adding the environment to the debate on marijuana liberalization” *Bioscience* 65(8): 822-829
- Kittredge, D.B., **A.G. Short Gianotti**, L.R. Hutyra, D.R. Foster, and J.M. Getson (2015) “Landowner conservation awareness across rural-to-urban gradients” *Biological Conservation*, 184: 79-89.
- Short, A.G.** (2013) “Governing Change: Land-use Change and the Prevention of Nonpoint Source Pollution in the North Coastal Basin of California” *Environmental Management*, 51(1): 108-125.
- Short, A.G.** and T.P. Duane (2011) “Regulatory Spillover: How Regulatory Programs Influence Voluntary Efforts to Adopt Best Management Practices to Manage Non-Point Source Pollution” *Environs: Environmental Law and Policy Journal* 35(1): 37-99.
- Taylor, K.A. and **A. Short.** (2009) “Integrating scientific knowledge into large-scale restoration programs: the CALFED Bay-Delta Program experience” Special issues on Collaborative Governance and Adaptive Management: California's CALFED Water Program, *Environmental Science and Policy* 12 (6): 674-683.
- Milman, A. and **A. Short.** (2008) “Incorporating Resilience into Sustainability Indicators: An Example for the Urban Water Sector” *Global Environmental Change* 18 (4): 758-767.

Short, A., J. Guthman, and S. Raskin. (2007) "Food Deserts, Oases, or Mirages? Small Markets and Community Food Security in the San Francisco Bay Area." *Journal of Planning Education and Research* 26 (3): 352-364.

Other publications

Short, A. (2012) "Planning Paradise: Politics and Visioning of Land Use in Oregon" *Review of Policy Research* 29 (2): 316-318. [book review]

Hallstein, E., M. Kiparsky, and **A. Short.** (2009) "Orals Survival Kit." *The Chronicle of Higher Education* May 15.

Short, A. (2007) "Thinking Institutionally about Land-use Change, Land Management and the Environment: A Study of Road Management in the North Coast Region of California." In *Institutional Analysis of Sustainability Problems: Proceedings of THEMES II*, edited by T. Kluvánková-Oravská, V. Chobotová, J. Jilková, and P. Sauer, 21-41. Prague: Nakladatelství a vydavatelství litomyslského semináře.

McKoy, D. and **A. Short.** (2006) "City|Watershed Project: Final Evaluation." Prepared for Department of Commerce Technologies Opportunities Program.

Short A. (2004) "Lead and Urban Gardens" *The Alameda County Gardener* November-December: 1-2.

GRANTS

Completed

2012 - 2017 National Science Foundation CNH-Ex: Shifting Land Use and Forest Conservation: Understanding the Coupling of Social and Ecological Processes along Urban-to-Rural Gradients (PI; \$244,720)

2008 - 2009 National Science Foundation Doctoral Dissertation Research Improvement Grant: Governing Sediment: An Institutional Geography of Land Use and the Environment in the North Coastal Basin of California (Co-PI; \$11,936)

PRESENTATIONS

Invited seminars

2016 Weston Roundtable Series. Apr 7, 2016. University of Wisconsin, Madison. *Conservation, private land management, and ecosystem services along urban to rural gradients*

2014 Huxley College of the Environment, April 7, 2014. Western Washington University. *Governing change: Development, conservation, and ecosystem services*

2013 Harvard Forest Seminar Series. November 22, 2013. Harvard Forest. *People, policies, and ecology: Conservation and land management from the urban to the rural*

Human Ecology Brown Bag Series. April 26, 2013. Rutgers University. *Governing change: Shifting land-use and management, conservation, and*

ecosystem services along an urban-to-rural gradient

Environmental Conservation Seminar Series. March 15, 2013. University of Massachusetts Amherst. *Forest conservation and stewardship along an urban-to-rural gradient: Understanding what people do and why they do it*

Environmental Science Policy and Management. Feb 14, 2013. University of California Berkeley. *Governing Change: Shifting land-use, stewardship, conservation and ecosystem services*

- 2012 Graduate School of Geography Speaker Series. April 19, 2012. Clark University. *Regulated ranchers, unwitting retirees, and illegal growers: Environmental governance on a multi-functional landscape in the North Coastal Basin of California*
- 2011 Boston University Alumni College. June 10, 2011. Boston, MA. *Sustainable Food*
- 2010 Institute for Sustainable Futures, University of Technology, Sydney. December 8, 2010. Sydney, NSW, Australia. *Environmental Governance in Transitioning Rural Regions*

Conference presentations

- 2017 Short Gianotti, A.G., J. Connors, J. Daskin, G. Mavrommati, W. McShea, and J. Thompson. "Social, Institutional, and Ecological Dynamics of Deer Management" Association of American Geographers Annual Meeting. April 5-9, 2016, Boston, MA. [*Invited contribution to organized sessions: Dynamics of Coupled Natural and Human Systems Panels*]
- Connors, J.P. and A.G. Short Gianotti. "'Your Park is an Ecological Slum': Deer hunting and the construction of nature in the suburbs" Association of American Geographers Annual Meeting. April 5-9, 2016, Boston, MA.
- 2016 Short Gianotti, A.G. "Myth and Reality in Public Health" Marijuana Myth and Reality. Boston University. November 5, 2016 [*Invited panelist*]
- Short Gianotti, A.G. "Human Dimensions of Sustainability" BU Sustainability Conference. May 9, 2016 [*Invited panelist*]
- Short Gianotti, A.G. "Governing the quasi-legal: how the status of marijuana cultivation limits the assessment and mitigation of associated environmental degradation" Association of American Geographers Annual Meeting. March 29-April 2, 2016, San Francisco, CA.
- Short Gianotti, A.G. "Geographies of Marijuana" Association of American Geographers Annual Meeting. March 29-April 2, San Francisco, CA. [*Invited panelist*]
- 2015 Short Gianotti, A.G. "Conservation, private land management, and ecosystem services along urban to rural gradients" 26th Annual Harvard Forest Ecology Symposium. March 17, 2015. Harvard Forest, Petersham, MA. [*Invited presentation*]

- 2014 Getson, J.M., L.R. Hutyra, A.G. Short Gianotti, P. H. Templar, and D.B. Kittredge “Effects of Privately Owned Land Management Practices on Biogeochemical Cycling” American Geophysical Union (AGU) Fall Meeting. December 15-19, 2014, San Francisco, CA. [*poster*]
- Short Gianotti, A.G., D.B. Kittredge, and J.M. Getson “Stewardship, conservation, and perceptions of ecosystem services along an urban-to-rural gradient” North America Congress for Conservation Biology. July 13-16, 2014, Missoula, Montana.
- Short Gianotti, A.G., D.B. Kittredge, and J.M. Getson “Forest conservation and land management along an urban-to-rural gradient: What is being done and who is benefitting?” Association for Environmental Studies and Sciences Conference. June 11-14, 2014, New York, NY.
- 2013 Short, A.G., K. Sullivan-Wiley, and D.B. Kittredge “Conservation, development, and land use along an urban-to-rural gradient” Association of American Geographers Annual Meeting. April 9-13, 2013, Los Angeles, CA.
- Kittredge, D.B., A.G. Short, and J. Plowden “From Here to There: Shifting Land Use and Forest Conservation” 24th Annual Harvard Forest Ecology Symposium. March 20, 2013. Harvard Forest, Petersham, MA.
- Short, A.G., J. McCarthy, and H. Selin. “Environmental Governance in and for the 21st Century: Linking the Formal and Informal” Earth Systems Governance Tokyo Conference, Jan 28-31, Tokyo, Japan.
- 2012 Kittredge, D.B., A.G. Short, et al. “The Future of Forests: It’s Who and What You Know” NSF Long Term Ecological Research Network All Sciences Meeting, Sept 10-13, Estes Park, CO. [*poster*]
- Short Gianotti, A.G. “LTER/ULTRA: Social Science Advancing Future Scenarios” 23th Annual Harvard Forest Ecology Symposium. March 20, 2012. Harvard Forest, Petersham, MA. [*Invited presentation*]
- Short, A.G., D.B. Kittredge, and L. Hutyra “Conservation Awareness along the Urban-Rural Gradient” Association of American Geographers Annual Meeting. Feb 24-28, 2012, New York City, NY.
- 2011 Short, A. “Uneven Governance and Management of Transitioning Rural Landscapes: Insights from the North Coastal Basin of California” Association of American Geographers Annual Meeting. April 12-16, 2011, Seattle, WA.
- 2010 Short, A. “Environmental Governance in Transitioning Rural Regions” Agri-Food XVII: Conference of the Australian and New Zealand Agri-Food Research Network. November 29-December 1, 2010. Churchill, VIC, Australia.
- Short, A. “Scale Challenges to the Governance of Nonpoint Source Pollution on Transitioning Rural Landscapes” Scaling and Governance Conference. November 10-12, 2010, Wageningen, the Netherlands
- Short, A. “Governing Nonpoint Source Pollution in the North Coastal Basin

- of California” Association of American Geographers Annual Meeting. April 14-18, 2010, Washington, D.C.
- 2008 Short, A. “Top Down Regulation, Bottom Up Action? A Study of Sediment Management in the North Coast of California.” American Association of Geographers Annual Meeting. April 15-19. Boston, MA.
- 2007 Short A., E. Boyer, and R. Harris. “Interrelationships Among Rural Development, Regulation, and Watershed Health.” Emerging Issues Along Urban/Rural Interfaces: Linking Land-Use Science and Society Conference. April 9-12. Atlanta, GA.

CONFERENCE AND WORKSHOP ORGANIZATION AND PARTICIPATION

Conference activities

- Paper session organizer (with John Connors): “New Natures and Novel Landscapes: Critical Geographies of Conservation and Wildlife Management in the Anthropocene,” 2017 Association of American Geographers Annual Meeting. Apr 5-9, 2017, Boston, MA.
- Moderator: “Environmental Governance Panel” 2016 Pardee Graduate Conference: Shifting Global Systems, Feb 19-20, 2016, Boston University
- Discussant. “Geographic Perspectives on Environmental Politics,” 2013 Association of American Geographers Annual Meeting. April 9-13, 2013, Los Angeles, CA.
- Paper session organizer (with Suchi Gopal): “Coupled Socio-Ecological Systems in Urban Environments,” 2012 Association of American Geographers Annual Meeting. Feb 24-28, 2012, New York City, NY.
- Paper session organizer (with Michael Finewood): “Governance, environmental change, and evolving land uses in rural areas,” 2010 Association of American Geographers Annual Meeting. April 14-18, 2010, Washington, D.C.

Workshop activities

- Nature-Society Workshop: Resource Governance Panel September 27-28, 2013. Graduate School of Geography, Clark University [*Invited panelist*]
- Urbanization, Institutions and Sustainability. Jan 10-11, 2013. Arizona State University. [*Invited participant*]
- Task Force on Environmental Governance in the 21st Century. Oct 11-12, 2012. Frederick S. Pardee Center for the Study of the Longer-Range Future, Boston University [*Workshop organizer* – with James McCarthy and Henrik Selin]

TEACHING AND MENTORING

Instructor, Boston University

- World Regional Geography, GE 201 (2011, 2013, 2016)
- Environmentally Sustainable Development, GE/IR 304 (2011-2013, 2016-2017)
- Environment and Development: A Political Ecology Approach, GE 400/600 (2012-2013, 2015-2016; 2011: same material taught under course listing Third World Development, GE 356/756)

- Environmental Justice, GE 524 (2017)
- Research Methods in Human-Environment Interactions, GE 700 (2012-2013)
- Global Development Capstone, GE/IR 798 (2014)

Graduate Student Instructor, University of California, Berkeley

- Environmental Policy, Administration, and Law, ESPM 60
- Society and the Environment, ESPM 151
- Americans and the Global Forest, ESPM C11

Doctoral dissertation advisor

- Kira Sullivan-Wiley, 2016, Ph.D. Geography and Environment
Current Position: NatureNet Post-doctoral Researcher, Brown University and The Nature Conservancy
Competitive Fellowships Awarded: Society of Women Geographers Pruitt Dissertation Fellowship (2015-2016); BU Moorman-Simon Civic Fellowship (2014-2016); Pardee Graduate Summer Fellowship (2015); BU Graduate Research School Summer Fellowship (2015 - declined); BU Graduate Research Abroad Fellowship (2013)

Masters thesis advisor

- Michael Dimuccio, 2016, M.A. International Relations & Environmental Policy
- Edward Hines, 2016, M.A. Geography and Environment
- Lisa Buckmiller, 2013, M.A. International Relations/International Communications

Other graduate student advising

- Doctoral dissertation committee member: 1 current student (biology); 2 completed students (Geography and Environment)
- Masters thesis committee member: 4 completed students
- Masters oral exam committee member: 2 completed students

Undergraduate research mentor

- Undergraduate Research Opportunity Program (UROP): Primary advisor for 1 current student and 2 former students
- Undergraduate Senior Thesis: Committee member for 2 completed students

SERVICE

Grant reviewer:

- Invited panelist:
 - 2016: NSF Coupled Natural Human Systems
 - 2015: NSF Coastal Science, Engineering and Education for Sustainability (SEES)
 - 2014: NSF Research Traineeship Program - Climate and Environment Panel
 - 2014: NSF Coupled Natural Human Systems - Large Panel
 - 2013: NSF Coupled Natural Human Systems - Exploratory Program
- Ad hoc reviewer: NSF Geography and Spatial Science CAREER Program (2015); NSF Geography and Spatial Science Program (2012, 2013); Massachusetts Agricultural Experiment Station Grant Program (2013)

Journal Reviewer: *Ambio*, *Agriculture and Human Values*, *Environment and Planning C*, *Environmental Management*, *Journal of Environmental Management*, *Journal of Planning Education and Research*, *Journal of Mountain Science*, *Landscape and Urban Planning*, *Land Use Policy*, *The Southwestern Geographer*, *Urban Studies*

Fellowship Interview Committee: Robert and Patricia Switzer Foundation, 2013 and 2017

Public Outreach

- 2016: Featured Scientist in Cambridge Science Festival: Science by the Pint Event “In a Haze: Studying Marijuana”, April 20, 2016

Boston University Service and Activities

- 2016: Invited panelist for Sustainability Panel, CAS Dean’s Advisory Board Meeting
- 2016: Invited panelist for First Year Student Outreach Project
- 2013 - 2016: CAS Social Science Curriculum Committee
- 2013, 2015: Earth and Environment Curriculum Committee
- 2015: Earth and Environment Assessment of Environment, Analysis and Planning Major
- 2013-2014: Human Dimensions of Global Change II Faculty Search Committee
- 2012-2013: Human Dimensions of Global Change I Faculty Search Committee
- 2012-2013: Earth and Environment Vision Committee
- 2012: Merit Review Committee, Geography and Environment
- 2012: Invited speaker for Graduate Women in Science and Engineering (GWISE) Launch Event for Peer Mentoring Program
- 2012: Panel discussant for Graduate Women in Science and Engineering (GWISE) Paths to Ph.D. Panel
- 2011: Instructor for BU Alumni College on Sustainability in the City
- 2011-present: Earth and Environment liaison to Global Development Policy and Global Development Economics Programs

University of California, Berkeley Service and Activities

- 2003-2006: Diversity Committee Member, Energy and Resources Group

PROFESSIONAL AFFILIATIONS:

Association of American Geographers, Association of Environmental Studies and Sciences, 2014-present, and Society of Conservation Biology

SPECIALIZED TRAINING

Emerging Theories and Methods of Sustainability Research (THEMES) Summer School on “Institutional Analysis of Sustainability Problems” sponsored by the Marie Curie Foundation and hosted by the Institute for Forecasting at the Slovak Academy of Sciences; High Tatras National Park, Slovakia; June 18-29, 2007.

OTHER WORK EXPERIENCE

2005-2006 Graduate Student Researcher: Institute for Urban and Regional Development,

- University of California, Berkeley
- 2004 ECO/EPA Community Intern: Environmental Careers Organization, Inc. placed as Associate at West Oakland Food Project Collaborative, Oakland, CA
- 2003 Intern, California Public Utilities Commission Office of Commissioner Kennedy, San Francisco, CA