

Lori Snyder Benneer

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Environmental Economics and Policy
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Education

Ph.D. in Public Policy, Harvard University, 2004

M.A. in Economics, Yale University, 1996

B.A., *summa cum laude* in Economics and Environmental Studies, Occidental College, 1995

Academic Positions

Associate Professor of Environmental Economics and Policy, Nicholas School of the Environment, and Sanford School of Public Policy, and Department of Economics, Duke University, 2013-present

Assistant Professor of Environmental Economics and Policy, Nicholas School of the Environment, and Sanford School of Public Policy, and Department of Economics, Duke University, 2004-2013.

Publications

Journal Articles

Kirkpatrick, A. Justin and **Lori S. Benneer** (forthcoming) "Promoting Clean Energy Investment: An Empirical Analysis of Property Assessed Clean Energy," *Journal of Environmental Economics and Management*.

Benneer, Lori S. (forthcoming) "Positive and Normative Analysis of Offshore Oil and Gas Drilling Regulations in the U.S., U.K., and Norway," *Review of Environmental Economics and Policy*.

Smith, Martin D., Frank Asche, **Lori S. Benneer** and Atle Oglend (2014) "Spatial-dynamics of Hypoxia and Fisheries: The Case of the Gulf of Mexico Dead Zone," *Marine Resource Economics*, 29(2): 111-131.

Balasubramanya, Soumya H, Alexander Pfaff, **Lori S. Benneer**, and Alessandro Tarozzi, Kazi Matin Ahmed, Amy Schoenfeld, and Alexander van Geen (2014) "Evolution of households' responses to the groundwater arsenic crisis in Bangladesh: information on

environmental health risks can have increasing behavioral impact over time," *Environment and Development Economics*, available on CJO2013. doi:10.1017/S1355770X13000612.

Smith, Martin D., Frank Asche, **Lori S. Benneer**, Elizabeth Havice, Andrew J. Read, Dale Squires (2014) "Will a catch share for whales improve social welfare?," *Ecological Applications*, 24(1): 15-23.

Benneer, Lori S., Jonathan M. Lee, and Laura O. Taylor, (2013) "Municipal Rebate Programs for Environmental Retrofits: An Evaluation of Additionality and Cost-Effectiveness," *Journal of Policy Analysis and Management*, 32(2): 350-372.

Benneer, Lori S., Alessandro Tarozzi , Alexander Pfaff, Soumya H. Balasubramanya, Kazi Matin Ahmed, and Alexander van Geen (2013) "Impacts of a Randomized Controlled Trial in Arsenic Risk Communication on Household Water-Source Choices in Bangladesh," *Journal of Environmental Economics and Management*, 65(2): 225-240.

Asche, Frank, **Lori S. Benneer**, Atle Oglend, and Martin D. Smith, (2012) "U.S. Shrimp Market Integration," *Marine Resources Economics* 29(2): 181-192.

Benneer, Lori S., Katrina K. Jessoe and Sheila M. Olmstead (2009) "Sampling Out: Regulatory Avoidance and the Total Coliform Rule," *Environmental Science and Technology*, 43(4): 5176-5182.

Benneer, Lori S. (2008) "What Do We Really Know: The Effect Of Reporting Thresholds On Inference Using Environmental Right-To-Know Data" *Regulation and Governance*, 2(3): 293-315.

Benneer, Lori S. and Sheila M. Olmstead, (2008) "The Impacts of the "Right to Know": Information Disclosure and the Violation of Drinking Water Standards," *Journal of Environmental Economics and Management*, 56(2): 117-130.

Benneer, Lori S. and Robert N. Stavins (2007) "Second-Best Theory and the Use of Multiple Policy Instruments," *Environmental and Resource Economics*, 37(1): 111-129.

Benneer, Lori S. (2007) "Are Management-Based Regulations Effective?: Evidence from State Pollution Prevention Programs," *Journal of Policy Analysis and Management*, 26(2) 327-348.

Benneer, Lori S., Robert N. Stavins, and Alex Wagner (2005) "Using Revealed Preferences to Infer Environmental Benefits: Evidence from Recreational Fishing Licenses," *Journal of Regulatory Economics*, 28(2):157-180.

Snyder, Lori D., Nolan Miller, and Robert N. Stavins (2003) "The Effects of Environmental Regulation on Technology Diffusion: The Case of Chlorine Manufacturing," *American Economic Review, Papers and Proceedings* 92(2):431-435.

James Sadd, Manuel Pastor, J. Thomas Boer, and **Lori D. Snyder** (1999) "Every Breath You Take: The Demographics of Toxic Air Releases in Southern California" *Economic Development Quarterly*, 13(2):107-123.

Boer, J. Thomas, Manuel Pastor, James Sadd, and **Lori D. Snyder** (1997) "Is There Environmental Racism: An Empirical Analysis of the Geographical Distribution of Hazardous Waste Facilities in Los Angeles County," *Social Science Quarterly* 78(4): 793-810.

Book Chapters

Benbear, Lori S. and Cary Coglianese (2012) "Flexible Environmental Regulation," forthcoming in Kamieniecki, Sheldon and Michael Kraft eds. *Oxford Handbook of U.S. Environmental Policy*, (Oxford, U.K.: Oxford University Press).

Benbear, Lori S. (2012) "Beyond Belts and Suspenders: Promoting Private Risk Management in Offshore Drilling," in Coglianese, Cary and Christopher Carrigan eds. *Regulatory Breakdown? The Crisis of Confidence in U.S. Regulation* (Philadelphia, PA: University of Pennsylvania Press).

Benbear, Lori S. (2006) "Evaluating Management-Based Regulation: A Valuable Tool in the Regulatory Tool Box?" in Coglianese, Cary and Jennifer Nash, eds. *Leveraging the Private Sector: Management-Based Strategies for Improving Environmental Performance* (Washington D.C.: Resources for the Future Press).

Coglianese, Cary and **Lori S. Benbear** (2005) "Program Evaluation of Environmental Policies: Toward Evidence-Based Decision Making" in Brewer, Gary D. and Paul C. Stern, eds. *Decision Making for the Environment: Social and Behavioral Science Research Priorities*, (Washington, DC: National Academies Press).

Other Publications

Benbear, Lori S. and Sheila M. Olmstead (2010) "Information Disclosure and Drinking Water Quality," in Parry, Ian W.H and Felicia Day, ed. Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy (Washington, D.C.: Resources for the Future Press, 122-123).

Benbear, Lori S. and Sheila M. Olmstead (2009) "Information Disclosure and Drinking Water Quality," RFF Policy Commentary, *Resources Magazine*, Number 173: 6-7.

Benbear, Lori S. and Cary Coglianese (2005) "Measuring Progress: Program Evaluation of Environmental Policies," *Environment* 47(2):22-39.

Conference/Policy Papers

Benbear, Lori S. and Katherine L. Dickinson, "Incorporating Evaluation in the Regulatory Process," prepared for the workshop "Crisis And The Challenges Of Regulatory Design," Kenan Institute For Ethics, Duke University, June 2-3 2011. Working paper available at: <http://nicholasinstitute.duke.edu/environmentaleconomics/incorporating-evaluation-into-the-regulatory-process/>

Benbear, Lori S. and Martin Smith "Success or Selection: An Economic Perspective on Fisheries Co-Management," Working Paper available at:

<http://nicholasinstitute.duke.edu/environmentaleconomics/success-or-selection>

Other Media

Research Video on “Information Disclosure and Drinking Water Quality” available at: <http://nicholasinstitute.duke.edu/environmentaleconomics/videos/bennearvid>

Work In Progress

In review

Cunningham, Samuel, Lori S. Bennear, and Martin D. Smith “Spillovers in Regional Fisheries Management: Do Catch Shares Cause Leakage?” in review at *Land Economics*.

In preparation

Ballesein, E., **L. S. Bennear**, K. Krawiec, and J. Wiener. *Recalibrating Risk: Crisis, Perceptions, and Regulatory Change*, book.

Baker-Goering, Madeleine, **Lori S. Bennear**, and Nolan Miller “Risk Framing, Bright-Lines, and Relative Risk: Impacts on Perceptions of Risk from Arsenic in Groundwater”.

Bennear, Lori S., Madeleine Baker-Goering and Nolan Miller “The Role of Information Framing in Environmental Health Policy: A Field Experiment on Well Water Quality.”

Bennear, Lori.S., Martin D. Smith, and Erika Kociolek “Estimating the effect of hypoxia on the Gulf Coast shrimp fishery.”

Grants

“Arctic Access: Regulating Oil and Gas Drilling in the Evolving Arctic,” Duke University Partnership in a Global Age (original funding agency is the Mellon Foundation), July 1, 2013-June 30, 2014. Role: PI.

“Recalibrating Risk: Crises, Perceptions, and Regulatory Change,” Smith Richardson Foundation, \$ 159,974, March 1, 2013-February 28, 2015 (with Edward Ballesein, Kim Krawiec, Jonathan Wiener). Role: Co-PI.

“Inflammatory Breast Cancer: Fatal disease with an environmental component” Duke Comprehensive Cancer Institute Core Pilot Grant, Duke University, \$50,000, February 1, 2011-January 31, 2012 (with Dora Il'yasova, Joellen Schildkraut, Neil Spector). Role: Investigator

“Measuring the Effects of Hypoxia on the Gulf of Mexico Shrimp Fishery,” National Ocean and Atmospheric Administration, National Center for Coastal Ocean Science (NCCOS), September 1, 2009-August 31, 2013. Role: Investigator.

“Which Information Most Changes Behavior & Do Households Want It?: Responses to and Demand for Well-Water-Arsenic Tests in Bangladesh,” Center for Comparative Biology of Vulnerable Populations, Duke University \$50,000, September 1, 2007-August

31, 2008 (with Alex Pfaff and Alessandro Tarozzi). Role: Investigator

“The Impacts of ‘Right to Know’: Information Disclosure and Drinking Water Quality,” National Science Foundation, Division of Social and Economic Sciences, \$87,474, January 15, 2007-January 14, 2009 (Collaborative Proposal with Sheila Olmstead, Yale University. Dollar amount indicates Duke University share). Role: Principle Investigator

“An Integrative Investigation of the Sources and Effects of Groundwater Contamination for Local Communities and Homeowners in North Carolina” U.S. Department of Agriculture, Cooperative State Research, Education, and Extension Service, National Integrated Water Quality Program, \$570,000, August 1, 2006-July 31, 2009, (with Avner Vengosh, Emily Klein, Marie Lynn Miranda, Erika Weinthal, and Mark Weisner). Role: Investigator

“The Role of Information in Environmental Health Policy: Measuring Household Responses to Information on Inorganic Contaminants in Private Well Water,” Center for Comparative Biology of Vulnerable Populations, Duke University, \$40,435, April 1, 2006-March 31, 2007 (with Avner Vengosh). Role: Principle Investigator.

“Environmental Behavior and Decisionmaking -- Determining the Effectiveness of Environmental Information Disclosure and Provision,” U.S. Environmental Protection Agency, STAR Grant, : \$284,724, January 1st, 2006 – December 31st, 2008, (with Michael Lenox and Andrew King). Role: Investigator

“Assessing Firm and Facility Environmental Performance,” Innovating Programs in Social Sciences Grant, Social Science Research Institute, Duke University, \$12,000, July 2005-June 2006 (with Michael Lenox) Role: Co-Principle Investigator.

Presentations

Academic Conferences and Seminars

Association of Public Policy Analysis and Management, Fall Research Conference, Baltimore, MD, November 2012.

Regulatory Breakdown? The Crisis of Confidence in U.S. Regulation, University of Pennsylvania, September 2011

Association of Environment and Resource Economists, Summer Conference, Seattle, June 2011

Crisis And The Challenges Of Regulatory Design, Duke University, June 2-3 2011
Water and Health Conference, University of North Carolina, Chapel Hill, October 2010

Harvard University, Environmental Economics Seminar, April 2010

University of Maryland, Economics Department, March 2010

Center for Environmental and Resource Economic Policy, September 2008

Duke University, Public Policy Faculty Seminar, April 2008

Duke University, Law and Economics Seminar, April 2008

Triangle Resource and Environmental Economics Workshop, September 2007

Resources for the Future, October 2006

Camp Resources, August 2006

Third World Congress of Environment and Resource Economists, July 2006

Association of Public Policy Analysis and Management, November 2005

Duke Environmental Institutions Seminar, March 2005
Leveraging the Private Sector Conference at Resources for the Future, August 2003
Harvard Environmental Economics and Policy Seminar, October 2003
American Economics Association Conference, January 2003

Government Conferences and Seminars

EPA, Environmental Conference of States (ECOS), Multi-State Working Group on Environmental Quality, Workshop on Performance-Based Voluntary Programs, March 2008
EPA, Workshop on Corporate Environmental Performance, January 2008
EPA and Fish and Wildlife Foundation, Evaluation of Environmental Policies Workshop, June 2006
EPA Science Forum, May 2005
OECD Working Party on National Environmental Policy, June 2005
Environmental Protection Agency, Corporate Environmental Behavior and the Effectiveness of Government Interventions Workshop, April 2004

Professional Service

Professional Organization Leadership:

Program Committee, Summer Conference 2013, Association of Environmental and Resource Economics

Program Committee, Fall Research Conference 2012, Association of Public Policy Analysis and Management

Program Committee, Summer Conference 2012, Association of Environmental and Resource Economics

Program Committee, Summer Conference 2011, Association of Environmental and Resource Economics

Board Member, Alliance for Research on Corporate Sustainability (ARCS)

Awards Committees:

APPAM Dissertation Award Committee, 2010.

Vernon Prize Committee for Outstanding Article in the *Journal of Policy Analysis and Management*, Volume 28, 2009.

Ad hoc reviewer for journals:

American Economic Review, Journal of Environmental Economics and Management, Journal of Policy Analysis and Management, Journal of Regulatory Economics, Economic Inquiry, Environment and Resource Economics, Journal of Environmental Management, Journal of Waste Management, Journal of Benefit-Cost Analysis

Excellence in Refereeing Award, *American Economic Review*, 2009.

Ad hoc reviewer for grants:

National Science Foundation, National Institute for Environmental Health Sciences

Conference Discussant:

American Economics Association, Association of Policy Analysis and Management

Academic Service

Duke University Academic Council, Representative for the Nicholas School of the Environment, 2011-present.

Duke University Campus Sustainability Committee, member 2011-present

Nicholas School Faculty Council, Representative for Environmental Sciences and Policy Division, 2010-present.

Teaching

Awards

Nicholas School Award for Teacher of the Year (Class over 30 students), 2009-2010

Nicholas School Award for Teacher of the Year, 2005-2006.

Undergraduate Level

U.S. Environmental Policy

Master's Level

Environmental and Resource Economics

Program Evaluation of Environmental Economics

Masters' Project Symposium (Environmental Economics and Policy)

Ph.D. Level

Environmental Social Science Research Seminar

Other Professional Experience

Program Coordinator, Environmental Economics Program at Harvard University, 2000-2003.

Pre-doctoral Fellow, Environmental Economics Program at Harvard University, 2000-2004.

Fellow, Belfer Center for Science and International Affairs, 2000-2004.

Analyst, Abt Associates, Inc., Cambridge, Massachusetts, 1997-1999.

Fellowships and Honors

Teresa Heinz Scholars for Environmental Research, 2002-2003

Dean's Award for Excellence in Student Teaching, 2001

Crump Fellowship, Kennedy School of Government, 2001-2002

Graduate Fellowship, Kennedy School of Government, 1999-2001

Graduate Fellowship, Yale University, 1995-1997

College Honors in Economics

Phi Beta Kappa

Professional Affiliations

American Economics Association

Association of Environmental and Resource Economists

Association for Public Policy Analysis and Management

Community Service and Leadership

Temple Beth Or, Raleigh, NC

Board of Trustees – July 1, 2013 to present

Religious School Committee – July 1, 2013 to present

Chair, July 1, 2013 to present

Member, July 1, 2012 to present