

# Roger H. von Haefen

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<b>Education</b>	<p><b>Duke University</b>, Durham, NC <i>M.A., Economics, May 1995</i> <i>Ph.D., Economics, October 1999</i></p> <p><b>University of Notre Dame</b>, Notre Dame, IN <i>B.A., Economics, May 1992</i> <i>Magna Cum Laude, Phi Beta Kappa</i></p>
<b>Areas of Concentration</b>	Environmental & Resource Economics, Applied Econometrics, Economic Measurement, Transportation
<b>Positions Held</b>	<p><b>Co-Editor-In-Chief</b>, <i>Journal of Environmental Economics and Management</i> <i>January 2016 – Present</i></p> <p><b>Interim Director</b>, Center for Environmental and Resource Economic Policy <i>North Carolina State University, Raleigh, NC, June 2021 – Present</i></p> <p><b>Associate Director</b>, Center for Environmental and Resource Economic Policy <i>North Carolina State University, Raleigh, NC, June 2006 – June 2021</i></p> <p><b>Professor</b>, Department of Agricultural &amp; Resource Economics <i>North Carolina State University, Raleigh, NC, July 2019 – Present</i></p> <p><b>Associate Professor</b>, Department of Agricultural &amp; Resource Economics <i>North Carolina State University, Raleigh, NC, July 2009 – 2019</i></p> <p><b>Co-Editor</b>, <i>Journal of Environmental Economics and Management</i> <i>January 2014 – December 2015</i></p> <p><b>Faculty Research Fellow</b>, Energy and Environmental Economics Group <i>National Bureau of Economic Research, Boston, MA, April 2010 – November 2014</i></p> <p><b>Assistant Professor</b>, Department of Agricultural &amp; Resource Economics <i>North Carolina State University, Raleigh, NC, July 2005 – June 2009</i></p> <p><b>Assistant Professor</b>, Department of Agricultural &amp; Resource Economics <i>University of Arizona, Tucson, AZ, October 2002 – June 2005</i></p> <p><b>Visiting Scholar</b>, Department of Economics &amp; Center for Environmental Science &amp; Policy <i>Stanford University, Stanford, CA, January 2004 – December 2004</i></p> <p><b>Research Economist</b>, Division of Price &amp; Index Number Research <i>Bureau of Labor Statistics, Washington, DC, October 1999 – October 2002</i></p> <p><b>Research Associate</b>, Center for Environmental &amp; Resource Economics <i>Duke University, Durham, NC, May 1995 – August 1999</i></p>
<b>Refereed Publications</b>	<p>von Haefen, Roger H. and Frank Lupi. “How Does Congestion Affect the Evaluation of Recreational Gate Fees? An Application to Gulf Coast Beaches,” <i>Land Economics</i>, forthcoming.</p> <p>Lupi, Frank, von Haefen, Roger H. and Li Cheng. “Distributional Effects of Entry Fees for Financing Public Beaches,” <i>Land Economics</i>, forthcoming.</p> <p>Qin, Jin, Ivan Kandilov and Roger H. von Haefen. “Air Pollution and Trade: The Case of China,” <i>Frontiers of Economics in China</i>, forthcoming.</p>

**Refereed  
Publications  
(cont.)**

- Dundas, Steven and Roger H. von Haefen. "The Importance of Data Structure and Non-linearities in Estimating Climate Impacts on Outdoor Recreation," *Natural Hazards*, forthcoming.
- Lupi, Frank, Daniel Phaneuf and Roger H. von Haefen. "Best Practices for Implementing Recreation Demand Models," *Review of Environmental Economics and Policy*, 14(2): 302-323, Summer 2020.
- Dundas, Steven and Roger H. von Haefen. "The Effects of Weather on Recreational Fishing Demand and Adaptation: Implications for a Changing Climate," *Journal of the Association of Environmental and Resource Economists*, 7(2): 209-242, March 2020.
- English, Eric, Ted McConnell, Joseph Herriges, Frank Lupi and Roger H. von Haefen. "Fixed Costs and Recreation Value," *American Journal of Agricultural Economics*, 101(4): 1082-1097, July 2019.
- Klaiber, H. Allen & Roger H. von Haefen. "Do Random Coefficient and Alternative Specific Constants Improve Policy Analysis? An Empirical Investigation of Model Fit and Prediction," *Environmental and Resource Economics*, 73(1): 75-91, May 2019.
- English, Eric, Roger H. von Haefen and others. "Estimating the Value of Lost Recreation Days from the Deepwater Horizon Oil Spill," *Journal of Environmental Economics and Management*, 91:26-45, September 2018.
- Domanski, Adam & Roger H. von Haefen. "Estimating Mixed Logit Recreation Demand Models with Large Choice Sets," *Journal of Environmental Economics and Management*, 90:101-118, July 2018.
- Dundas, Steven, Roger H. von Haefen and Carol Mansfield. "The Costs of Endangered Species Protection on Public Land: Evidence from Cape Hatteras National Seashore," *Marine Resource Economics*, 33(1): 1-25, January 2018.  
\*\*\* 2018 Best Paper Published in *Marine Resource Economics* \*\*\*
- Wichman, Casey, Laura Taylor & Roger H. von Haefen. "Conservation Policies: Who Responds to Price and Who Responds to Prescription?" *Journal of Environmental Economics and Management*, 79:114-134, September 2016.  
\*\*\* NBER Working Paper #20466, cited in the *Washington Post* (9/24/14)
- Van Houtven, George, Carol Mansfield, Daniel Phaneuf, Roger H. von Haefen, Bryan Milstead, Melissa Kenney and Kenneth Reckhow. "Combining Expert Elicitation and Stated Preference Methods to Value Ecosystem Services from Improved Water Quality," *Ecological Economics*, 99: 40-52, March 2014.
- Moeltner, Klaus, and Roger H. von Haefen. "Microeconomic Strategies for Dealing with Unobservables and Endogenous Variables in Recreation Demand Models," *Annual Review of Resource Economics*, 3:375-396, 2011.
- von Haefen, Roger H. "Incomplete Demand Systems, Corner Solutions, and Welfare Measurement," *Agricultural and Resource Economics Review (W2133 Special Issue)*, 39(1): 22-36, February 2010.  
\*\*\* 2011 Northeastern Agricultural and Resource Economics Association Most Outstanding Journal Article Award Winner \*\*\*
- Li, Shanjun, Christopher Timmins & Roger H. von Haefen. "How Do Gasoline Prices Affect Fleet Fuel Economy?" *American Economic Journal: Economic Policy*, 1(2): 113-137, August 2009.
- Bento, Antonio M., Lawrence H. Goulder, Mark R. Jacobsen & Roger H. von Haefen. "Distributional and Efficiency Impacts of Increased U.S. Gasoline Taxes," *American Economic Review*, 99(3): 667-699, June 2009.
- von Haefen, Roger H. "Latent Consideration Sets and Continuous Demand System Models," *Environmental and Resource Economics*, 41(3): 363-379, November 2008.

**Refereed  
Publications  
(cont.)**

- von Haefen, Roger H. & Daniel J. Phaneuf. "Identifying Demand Parameters in the Presence of Unobservables: A Combined Revealed and Stated Preference Approach," *Journal of Environmental Economics and Management*, 56(1): 19-32, July 2008.
- von Haefen, Roger H. "Empirical Strategies for Incorporating Weak Complementarity into Consumer Demand Models," *Journal of Environmental Economics and Management*, 54(1): 15-31, July 2007.
- von Haefen, Roger H., D. Matthew Massey, & Wiktor Adamowicz. "Serial Non-Participation in Repeated Discrete Choice Models," *American Journal of Agricultural Economics*, 87(4): 1061-1076, November 2005.
- von Haefen, Roger H., Daniel J. Phaneuf & George R. Parsons. "Estimation and Welfare Analysis with Large Demand Systems," *Journal of Business & Economic Statistics*, 22(2): 194-205, April 2004.
- von Haefen, Roger H. & Daniel J. Phaneuf. "Estimating Preferences for Outdoor Recreation: A Comparison of Continuous and Count Data Demand System Frameworks," *Journal of Environmental Economics & Management*, 45(3): 612-630, May 2003.
- von Haefen, Roger H. & Daniel J. Phaneuf. "A Note on Estimating Nested CES Preferences of Recreation Demand," *American Journal of Agricultural Economics*, 85(2): 406-413, May 2003.
- von Haefen, Roger H. "Incorporating Observed Choice into the Construction of Welfare Measures from Random Utility Models," *Journal of Environmental Economics & Management*, 45(2): 145-165, March 2003.
- von Haefen, Roger H. "A Complete Characterization of the Linear, Log-Linear, & Semi-Log Incomplete Demand System Models," *Journal of Agricultural & Resource Economics*, 27(2): 281-319, December 2002.
- Smith V. Kerry, Roger H. von Haefen & Wei Zhu. "Do Environmental Regulations Increase Construction Costs for Federal Aid Highways? A Statistical Experiment," *Journal of Transportation & Statistics*, 2(1): 45-59, May 1999.
- Smith, V. Kerry & Roger H. von Haefen. "Welfare Measurement and Representative Consumer Theory," *Economics Letters*, 57: 63-67, November 1997.

**Other  
Publications**

- von Haefen, Roger H. "The Travel Cost Model," In *Environmental and Natural Resource Economics: An Encyclopedia*, T. Haab, J. Whitehead, Greenwood Publishing, 2014.
- Phaneuf, Daniel J. & Roger H. von Haefen. "Estimating the Demand for Quality with Discrete Choice Models," in *Quantifying Consumer Preferences: Estimating Demand Systems, Contributions to Economic Analysis*, Daniel Slottje, editor, Emerald Press, Bingley, UK, 2009.
- Bento, Antonio M., Lawrence H. Goulder, Emeric Henry, Mark R. Jacobsen, & Roger H. von Haefen. "Distributional and Efficiency Impacts of Gasoline Taxes: An Econometrically-Based Multi-Market Study," *American Economic Review, Papers and Proceedings*, 95(2): 282-287, May 2005.
- von Haefen, Roger H. & Daniel J. Phaneuf. "Continuous Demand System Approaches to Nonmarket Valuation," in *Applications of Simulation Methods in Environmental & Resource Economics*, Riccardo Scarpa & Anna Alberini, editors, Springer, Dordrecht, 2005.
- von Haefen, Roger H. "Book Review for Joy Hecht's *National Environmental Accounting*," *BioScience*, 56(3): 6-7, March 2006.

**Working  
Papers**

- Stefanski, Stephanie and Roger H. von Haefen. "Using Aggregate Counts to Improve Policy Inference from On-Site Samples: An Application to the Peninsula Valdes World Heritage Site in Argentina," June 2020.
- English, Eric, Kenneth E McConnell, Frank Lupi & Roger H. von Haefen. "Should We Combine Single and Multi-Day Trips in Travel Cost Models?" June 2019.

**Research in Progress**

von Haefen, Roger H. et al. "BP Oil Spill Caused Damages to Recreationists Across the United States," June 2017.

Zhukov, Boris & Roger H. von Haefen. "Measuring College Tuition Prices." February 2018.

Measuring the Recreational Benefits of Water Quality Improvements: A Calibration Approach (with George Van Houtven, Carol Mansfield and Daniel Phaneuf)

WTP over Time and Space: An Application to Recreational Fishing along the US Atlantic Coast (with Sasha Naumenko)

What Explains the Difference in Elasticity Estimates from Reduced-form and Structural Water Demand Models? (with Marwa Salem)

Controlling for Unobserved Preference Heterogeneity and Site Characteristics in Count Data Recreation Demand Systems (with Longzhong Shi)

Non-Additively Separable Continuous Demand System Models

**Presentations**

**2021**

*European AERE Annual Conference (virtual); W4133 Annual Meetings (virtual)*

**2020**

*Huazhong Agricultural University, Wuhan China; Shanghai / SUFE Virtual Conference, Shanghai, China.*

**2019**

*W4133 Annual Meetings, Santa Fe, NM; Mississippi State University, Starkville, MS; Cornell University, Ithaca, NY; EPA Conference on Estimating Water Quality Benefits, Ithaca, NY; USDA Conference on Measuring Ecosystem Services, Washington, DC; LEEP in 2019 Conference, Exeter, UK; European AERE Conference, Manchester, UK; Purdue University, West Lafayette, IN; Resources for the Future, Washington, DC; First Symposium on Disaster Risk Analysis and Big Data at UNC-Pembroke, Pembroke, NC; Lixin University / China Economic Review Workshop on Economic Consequences of Climate Change and Sustainable Development, Shanghai, China; Jinan University, Guangzhou, China; South China Agricultural University, Guangzhou, China; Fudon University, Shanghai, China; Yangtze River Delta International Forum, Shanghai, China; Shanghai University of Finance and Economics Environmental Workshop on the Frontiers of Environmental and Resource Economics, Shanghai, China; National University of Singapore, Singapore.*

**2018**

*W4133 Annual Meetings, Austin, TX; University of Alberta, Edmonton Alberta; Arizona State University, Tempe, AZ; Appalachian State University Experimental and Environmental Policy Workshop, Blowing Rock, NC; World Congress of Environmental and Resource Economists, Gothenburg, Sweden; American Community for Ecosystem Services Conference, Washington, DC*

**2017**

*AERE Summer Conference, Pittsburgh, PA; EAERE Annual Meetings, Athens, Greece; W3133 Annual Meetings, Carlsbad, CA*

**2016**

*AERE Summer Conference, Breckenridge, CO; EAERE Annual Meetings, Zurich, Switzerland; CU Environmental and Resource Economics Conference, Vail, CO; University of Georgia, Athens, GA*

**2015**

*AAEA Annual Meetings, San Francisco, CA; EAERE Annual Summer Conference (Presenter and Discussant), Helsinki, Finland; W3133 Annual Meetings, Pensacola, FL*

**Presentations  
(cont.)**

**2014**

*AAEA Annual Meetings*, Minneapolis, MN; *Property and Environment Research Center*, Bozeman, MT

**2013**

*W2133 Annual Meetings*, Coure D'Alene, ID; *University of North Carolina - Greensboro*, Greensboro, NC; *Resources for the Future*, Washington, DC; *International Choice Modeling Conference*, Sydney, AU; *NBER Summer Institute (discussion)*, Cambridge, MA

**2012**

*W2133 Annual Meetings*, Albuquerque, NM; *East Carolina University*, Greenville, NC; *University of Maryland*, College Park, MD; *AERE Summer Conference*, Seattle, WA; *AAEA Summer Meetings*, Pittsburgh, PA

**2011**

*W2133 Annual Meetings*, Albuquerque, NM; *East Carolina University*, Greenville, NC; *University of Maryland*, College Park, MD; *AERE Summer Conference*, Seattle, WA; *AAEA Summer Meetings*, Pittsburgh, PA

**2010**

*W2133 Annual Meetings*, Tucson, AZ; *Appalachian State University*, Boone, NC

**2009**

*Texas A&M University*, College Station, TX; *University of Texas*, Austin, TX; *W2133 Annual Meetings*, Austin, TX; *Columbia University*, New York, NY; *UC Energy Institute POWER Conference*, Berkeley, CA

**2008**

*WRRRI Annual Conference*, Raleigh, NC; *Georgia State University*, Atlanta, GA; *European AERE Annual Meetings*, Gothenburg, Sweden; *W2133 Annual Meetings (Presenter and Discussant)*, Waikoloa, Hawaii; *University of Wyoming*, Laramie, WY; *Colorado State University*, Fort Collins, CO; *University of Colorado*, Boulder, CO; *North Carolina State University*, Raleigh, NC

**2007**

*AERE Sessions at the ASSA Annual Meetings (Presenter and Discussant)*, Chicago, IL; *W1133 Annual Meetings*, Richmond, VA; *Virginia Polytechnical Institute and State University*, Blacksburg, VA

**2006**

*W1133 Annual Meetings*, San Antonio, TX; *University of Alberta*, Edmonton, Alberta; *Revealed Preference Beyond Markets: Micro-econometrics in Environmental Economics Workshop (Lecturer)*, Raleigh, NC

**2005**

*AERE Sessions at the ASSA Annual Meetings (Discussant)*, Philadelphia, PA; *University of California*, Davis, CA; *North Carolina State University*, Raleigh, NC; *AAEA Annual Meetings*, Providence, RI; *Conference on Linking Economic and Ecological Models for Environmental Policy Analysis (Discussant)*, Santa Fe, NM; *NBER Summer Institute on Public Policy and the Environment (Discussant)*, Cambridge, MA; *University of Maryland*, College Park, MD; *Triangle Econometric Conference*, Durham, NC

**2004**

*University of California*, Berkeley, CA; *Stanford University*, Palo Alto, CA; *W-1133 Annual Meetings*, Maui, HI; *University of Nevada*, Reno, NV; *University of New Hampshire*, Durham, NH; *Western Economic Association Annual Meetings*, Vancouver, BC

## Grants

Co- Principal Investigator, “Estimating Recreational Value and NED Benefits of Federal Shore Protection Projects: An Application of Random Utility Models,” United States Army Corps of Engineers, \$398,088, 2020-2023.

Principal Investigator, “Economic Valuation of Submerged Aquatic Vegetation within the Albemarle-Pamlico Sound,” North Carolina Department of Environmental Quality, \$68,193, 2021.

Principal Investigator, “Estimating the Benefits of Stream Water Quality Improvements in Urbanizing Watersheds: An Ecological Production Function Approach,” United States Environmental Protection Agency, \$800,000, 2016-2021.

Co-Principal Investigator, “Camp Resources: A Workshop for Professional Development of Young Researchers in Environmental Economics,” United States Environmental Protection Agency, \$175,989, 2009-2015.

Co-Investigator, “A Proposal for a Microeconometrics Training Workshop,” United States Environmental Protection Agency, \$78,489, 2008-2009.

Principal Investigator, “Measuring the Benefits of Nutrient Management Strategies at North Carolina Reservoirs Using Linked Non-Market Valuation and Environmental Assessment Models,” North Carolina Water Resources Research Institute, \$42,566, 2008-2009.

Co-Investigator, “Measuring Nutrient Reduction Benefits for Policy Analysis Using Linked Non-Market Valuation and Environmental Assessment Models,” United States Environmental Protection Agency, \$423,841, 2008-2013.

Investigator, “The Environmental Costs of Automobile Demand,” Stanford University Environmental Initiative, \$250,000, 2007-2008.

Investigator, “Gasoline Taxes and Automobile Demand,” William and Flora Hewlett Foundation, \$370,000, 2005-2006.

Co-Investigator, “Research Initiative on the Environment, the Economy, and Sustainable Welfare,” William and Flora Hewlett Foundation, \$1,500,000, 2001-2005.

## Outreach

von Haefen, Roger H. “New Study Explores Climate Change Impacts on North Carolina Coastal Angling,” *NC State Economist*, Winter 2020.

Edwards, Eric, Sara Sutherland and Roger H. von Haefen. “Should I Stay or Should I Go? Coal Ash in North Carolina,” *NC State Economist*, Winter 2019.

Dundas, Steven, and Roger H. von Haefen. “Conflict on Public Lands: New Off-Road Vehicle Restrictions in Outer Banks,” *NC State Economist*, June 2018.

von Haefen, Roger H. “Vehicle Miles Traveled Tax: A Common Sense Way to Finance NC Roads,” Op-Ed Piece, *Raleigh News & Observer*, February 18, 2015.

von Haefen, Roger H. “The Recreational Benefits of the Falls Lake Nutrient Management Strategy,” *NC State Economist*, November/December 2013.

von Haefen, Roger H. “Biofuels and the North Carolina Economy,” NCSU Turkey Day presentation, Wilmington, NC, September 2008.

von Haefen, Roger H. “Can Ethanol End Our Oil Addiction?” *NC State Economist*, March/April 2007.

von Haefen, Roger H. “Let Price Signals Flow to Water Bills,” Op-Ed Piece, *Raleigh News & Observer*, September 31, 2007.

Research featured in lead article in *Raleigh News & Observer* (October 9, 2019); Quoted and research featured on *WUNC* (January 7, 2019), quoted in the *Triangle Business Journal* (May 29, 2009), *Durham Herald-Sun* (March 20, 2008), *WRAL-TV 6pm Newscast* (December 18,

2007), *Fayetteville Observer* (December 5, 2007), *Raleigh News & Observer* (August 21, 2007), *Rocky Mount Telegram* (June 24, 2007).

<b>Referee / Review Work</b>	<i>Journal of Environmental Economics and Management (JEEM) Co-Editor-In-Chief, 2016-present; JEEM Co-Editor, 2013-2015, JEEM (Editorial Council, 2006-2013), Editorial Council, Journal of the Association of Environmental and Resource Economists, 2014-present, Journal of Business &amp; Economic Statistics, Journal of Applied Econometrics, International Economic Review, Journal of Political Economy, Review of Economic Studies, European Economic Review, AEJ: Economic Policy, Economic Inquiry, Contemporary Economic Policy, B.E. Journal of Economic Analysis and Policy, Southern Economic Journal, Proceedings of the National Academy of Sciences, Journal of Choice Modeling, Applied Economics and Public Policy, Forest Science, Water Resources Research, Water Resource Economics, Resource &amp; Energy Economics, Energy Economics, Energy Journal, Environmental and Resource Economics, Land Economics, Ecological Economics, American Journal of Agricultural Economics, Journal of Agricultural &amp; Resource Economics, Agricultural and Resource Economics Review, Review of Agricultural Economics, Marine Resource Economics, Environmental Economics and Policy Studies, Monthly Labor Review, Tourism Management, Scottish Journal of Political Economy, BioScience, Transportation Research Part B, Transportation Research Part A, Bulletin of Economic Research, Quarterly Review of Economics &amp; Finance, Addison Wesley, McGraw-Hill, Wiley, Worth, Columbia University Press, RFF, Cambridge University Press, NOAA, EPA, Austrian Climate and Energy Fund</i>
<b>Professional Service</b>	Lead Organizer, JEEM Conference in Environmental and Resource Economics, Oslo, Norway, 2018 & Beijing, China, 2021; Co-Organizer, Camp Resources, 2006-present; Chair, AAEA Most Outstanding Dissertation Award Committee, 2009-2010; President, W2133 Regional Project, 2009-2010; Vice-President, W2133 Regional Project, 2008-2009; Treasurer, W2133 Regional Project, 2007-2008; Co-Organizer, Triangle Resource and Environmental Economics Seminar Series, 2005-present; Topic Leader, Statistics and Quantitative Methods Subcommittee, AAEA Annual Meetings Paper Selection Committee, 2007-2009
<b>Graduate Student Mentorship</b>	Alexandra Naumenko (James Madison University); Jin Qin (College of William and Mary); Lee Parton (Boise State); Longzhong Shi (Huazhong Agricultural University); Moon Joon Kim (Duke Kunshan University); Christopher Giguere (NOAA), Marwa Salem (RTI), Steven Dundas (Oregon State), Boris Zhukov (Ball State), Jacob Brimlow (Chico State), Adam Domanski (NOAA); Ph.D. committee member for 30+ students; Chair or committee member of 10+ Master's students
<b>Professional Memberships</b>	Association of Environmental & Resource Economists, European Association of Environmental & Resource Economists, American Economic Association, Agricultural and Applied Economics Association
<b>Teaching Experience</b>	Benefit-Cost Analysis (advanced undergraduate); Environmental & Resource Economics (Ph.D. & undergraduate); Consumer Economics (Master's); Applied Econometrics (Master's)
<b>Consulting</b>	North Carolina Coal Ash Commission (2015-2016), RTI International (2008-2013), North Carolina Department of Environment and Natural Resources (2012-2013), National Park Service (2008-2009), National Oceanic and Atmospheric Administration (2010-present), National Highway Traffic Safety Administration (2014); Stratus Consulting (2010-2013); Industrial Economics (2013-present)