

Klaus Moeltner

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Academic Employment:

Associate Professor (2006 - present), Department of Resource Economics, UNR
Assistant Professor (2000 - 2006), Department of Resource Economics, UNR

Education:

Ph.D. in Economics, University of Washington (2000)
M.A. in Economics, University of Washington (1998)
M.A. in International Policy Studies, Monterey Institute of International Studies (1994)
M.S. in Environmental Planning & Engineering,
University of Agriculture and Forestry, Vienna, Austria (1990)

Journal Publications

Moeltner K., J. S. Shonkwiler, (Forthcoming). Intercept and Recall: Examining Avidity Carryover in On-Site Collected Trip reports. *Transportation Research Part D: Transport and Environment*.

Moeltner, K., R. Woodward (2009). Meta-Functional Benefit Transfer for Wetland Valuation: Making the Most of Small Samples. *Environmental and Resource Economics*, 42 (1), p. 89-109.

Moeltner K., R. S. Rosenberger (2008), Meta-Regression and Benefit Transfer: Data Space, Model Space, and the Quest for 'Optimal Scope'. *B.E. Journal of Economic Analysis & Policy*, 8 (1), *Contributions*. <http://www.bepress.com/bejeap/vol8/iss1/art31/>

Moeltner, K., K.J. Boyle, R. W. Paterson (2007). Meta-Analysis and Benefit-Transfer for Resource Valuation: Addressing Classical Challenges with Bayesian Modeling. *Journal of Environmental Economics and Management*, 53 (2), p.250 – 269.

Curtis, K. R., K. Moeltner, (2007). Consumer Risk Perception and Purchase Propensity for Genetically Modified Foods in Romania. *Agribusiness*. 23 (2), p. 263-278.

Curtis, K. R., K. Moeltner, (2006). Genetically Modified Food Market Participation and Consumer Risk Perceptions: A Cross-Country Comparison. *Canadian Journal of Agricultural Economics*, 54(2), p. 289-310.

Englin, J. E., J. McDonald, K. Moeltner, (2006). Valuing Ancient Forest Ecosystems: An Analysis of Backcountry Hiking in Jasper National Park. *Ecological Economics*. 57, (4), p. 665-678.

Moeltner, K., J. S. Shonkwiler, (2005). Correcting for On-Site Sampling in Random Utility Models. *American Journal of Agricultural Economics*, 87(2), p. 327-339.

Hagerty, D., K. Moeltner, (2005). Specification of Driving Costs in Models of Recreation Demand. *Land Economics*, 81(1), p.127-143.

Manley, J., G. C. van Kooten, K. Moeltner, D. W. Johnson (2005) Creating Carbon Offsets in Agriculture through Zero Tillage: A Meta-Analysis of Costs and Carbon Benefits. *Climatic Change*, 68, 41-65.

Englin, J. E., K. Moeltner, (2004). The Recreational Value of Snowfall to Skiers and Boarders. *Environmental and Resource Economics*, 29(1), p. 123-136..

Moeltner, K., J. E. Englin (2004). Choice Behavior Under Time-Variant Quality: State Dependence Versus 'Play-It-By-Ear' in Selecting Ski Resorts. *Journal of Business & Economic Statistics*, 22(2), p. 214-224.

Moeltner, K, S. Stoddard. (2004) A Panel Data Analysis of Non-Residential Customers' Water Price Responsiveness Under Block Rates, *Water Resources Research*, 40(1).

Moeltner, K. (2003) Addressing Aggregation Bias in Zonal Recreation Models. *Journal of Environmental Economics and Management*, 45(1), p.128-144.

Moeltner, K., C.G. van Kooten (2003). Voluntary Environmental Action and the Profit Motive: The Case of Forest Certification. *Journal of Agricultural and Resource Economics*, 28(2),p. 302-315.

Moeltner, K., D. F. Layton. (2002). A Censored Random Coefficients Model for Pooled Survey Data with Application to the Estimation of Power Outage Costs. *Review of Economics and Statistics*, 84 (3), p. 552-561.

Book Chapters:

K. Moeltner, J. J. Murphy, J. K. Stranlund, and M.A. Velez (Forthcoming). Institutional Heterogeneity in Social Dilemma Games: A Bayesian Examination, in *Handbook on Experimental Economics and the Environment*, J. List and M. Price, eds., Edward Elgar Publishing.

Layton, D. F., K. Moeltner (2005). The Cost of Power Outages to Heterogeneous Households - An Application of the Gamma-Lognormal Distribution, in *Applications of Simulation Methods in Environmental and Resource Economics*, R. Scarpa and A. Alberini, eds., Springer Publishing, Dordrecht, The Netherlands.

Research in Progress:

Benefit Transfer from Multiple Contingent Experiments: A Flexible Two-Step Model Combining Individual Choice Data with Community Characteristics (with Robert j. Johnston and Randall S. Rosenberger); in review

Valuing the Prevention of an Infestation: The Threat of the New Zealand Mud Snail in Northern Nevada (with Alison Davis); in review

Processing Data from Social Dilemma Experiments: A Bayesian Comparison of Parametric Estimators (with J. J. Murphy, J. K. Stranlund, and M.A. Velez); in review

The Effect of Risk Context on the Value of a Statistical Life: A Bayesian Meta-model (with Roy Brouwer, Thijs Dekker and Marjan Hofkes); in review.

Bayesian Estimation of Multi-Stage Selection Models: Application to Door-to-Door Fundraising (with Michael Price); working paper.

The Effectiveness of Conservation Campaigns on Residential Water Use: A Field Experiment. (with Anita Castledine and Mike Price); in progress.

Presentations (last 2 years):

"Processing Data from Social Dilemma Experiments: A Bayesian Comparison of Parametric Estimators", presented at the Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Amsterdam, The Netherlands, June 24-27, 2009

"Benefit Transfer from Multiple Contingent Experiments: A Flexible Two-Step Model Combining Individual Choice Data with Community Characteristics", presented at the University of Innsbruck, Austria, June 3, 2009.

"Combining Information from Different Choice Experiments for Benefit Transfer: The Case of Farmland Preservation". Presented at the W2133 regional project Meetings in Austin, TX, Feb. 18 - 20, 2009.

"Bayesian Estimation of multi-stage Selection Models: Application to Door-to-Door Fundraising", presented at the University of Innsbruck, Austria, June 4, 2008.

"Meta-Analysis and Benefit Transfer: What do we Gain from Using Individual-level Data?" Presented at the W2133 meetings in Kona, HI, Feb. 18, 2008.

"Hierarchical Parametric Models for Social Dilemma Games", presented at the Department of Economics, University of Colorado, Boulder, Feb. 13, 2008, the University of Wyoming, Feb. 11, 2008, the University of Maryland, Oct. 11, 2007, and the University of Tennessee, Oct. 9, 2007.

"Predicting Resource Policy Outcomes via Meta-Regression: Data Space, Model Space, and the Quest for 'Optimal Scope'", presented at the University of Linz, Austria, June 11, 2008, Utah State University, March 19, 2008, at the Seminar for Bayesian Inference in Economics and Statistics (SBIES), Washington University, St. Louis, May 4-5, 2007, and at the Triangle Resource & Environmental Economics Seminar Series, Raleigh, NC April 27, 2007.

"Econometric Analysis of Experimental Data with Continuous Outcomes", workshop sponsored by the College of Business and Public Policy, University of Alaska, Anchorage, May 31, 2007.

"Benefit Transfer for Resource Valuation - Econometric Considerations and a Nevada Case Study", presented at a workshop sponsored by the Global Institute of Sustainability, Arizona State University, April 17, 2007.

"Meta-Functional Benefit Transfer for Wetland Valuation: Making the Most of Small Samples", presented at the W-1133 meetings in Richmond, VA, March 28-30, 2007.

Grant Activities as PI / Co-PI

\$14,000. Moeltner K., Tahoe Non-Motorized Boating Survey, California Department of Boating and Waterways, 7/08 – 9/08.

\$198,000. Moeltner K., Robert J. Johnston, Randall S. Rosenberger, "Meta-Analysis and Benefit Transfer at Different Levels of Aggregation: Comparing Group-Averaged and Individual-Level Models Using Hierarchical Bayesian Methods", U.S. EPA, STAR grant, 09/07 - 04/09.

\$20,000. Moeltner, K. "Assessment of angler awareness, contamination risk, and economic implications of a New Zealand mud snail infestation of the Truckee / Carson / Walker watersheds", Matching Grant, U.S. Fish and Wildlife Service, 10/05 - 7/06.

\$15,000. Moeltner, K. "Assessment of angler awareness, contamination risk, and economic implications of a New Zealand mud snail infestation of the Truckee / Carson / Walker watersheds", University of Nevada Junior Faculty Research Grant, 7/05 - 6/06.

\$107,000. Rollins, K., T. Harris, K. Moeltner, M. Haverkamp. "Economic Impacts of Changes in NV Elk Populations Across Multiple User Groups and Counties", Nevada Arid Rangeland Initiative, 7/05 - 6/08.

\$16,000. Moeltner, K. "Tahoe Recreation Frequency and Duration Survey", Tahoe Coalition of Recreation Providers, 7/04-9/04.

\$320,000. Shaw, D., Jakus, P. Moeltner, K., Riddel, M., Walker, M., "Perceptions and Exposure to Arsenic in private and Public Drinking Water", U.S. Environmental Protection Agency, 7/05 - 6/07.

\$60,000. Englin, J., K. Moeltner, S. Shonkwiler. "Strategic Development of a Competitive Grape Industry in Nevada", Nevada Agricultural Experiment Station, 7/02 - 7/04.

\$40,000. Englin, J., K. Moeltner, S. Shonkwiler. "Personal Watercraft Use in the Tahoe Area," Nevada Agricultural Experiment Station, 7/00 - 7/02.

Teaching and Advising:

Undergraduate:

Introduction to Environmental and Resource Economics
Introduction to Statistical Methods
Valuation of Non-Market Goods

Graduate:

Valuation of Non-Market Goods
Econometrics I
Microeconomic Theory II
Bayesian Data Analysis

Advising:

Since 2000: 12 MS Committees (Chair for 2), 10 PhD Committees (Chair for 1)

Service Activities

Departmental:

Director of Graduate Studies, July 2002 - June 2005
PhD Program Proposal Coordinator, Fall 2003 - Fall 2005
Graduate Committee, July 2002 - present
Econometrics Core Exam Committee, Fall 2005 - present

Refereeing:

Agricultural and Resource Economics Review
American Journal of Agricultural Economics
Energy Economics
Energy Journal
Environmental and Resource Economics
Journal of Agricultural and Applied Economics
Journal of Agricultural and Resource Economics
Journal of Econometrics
Journal of Environmental Economics and Management
Journal of Leisure Research
Land Economics
Scandinavian Journal of Economics
Resource and Energy Economics
Water Resources Research

Other Service Activities

Editorial Board, Canadian Journal of Agricultural Economics
President, W1133 Association "Benefits and Costs of Resource Policies Affecting Public and Private Lands", March 2005 - Feb. 2006

Professional Affiliations

Association of Environmental and Resource Economists (AERE)
American Economic Association (AEA)
The Econometric Society (ES)

Honors and Awards

College of Agriculture, Biotechnology, and Natural Resources (CABNR) Outstanding Instructor 2004
Nominee and Finalist, CABNR Outstanding Instructor 2003
Nominee and Finalist, CABNR Outstanding Instructor 2002

James O. York Fellowship, University of Washington, 1996

Scholarship for Graduate Studies Abroad, Austrian Ministry for Science and Research, 1994-1996