Klaus Moeltner

Professor
Department of Agricultural and Applied Economics, Virginia Tech
208 Hutcheson Hall (0401), Blacksburg, VA 24061
office: (540) 231-8249 / mobile: (775) 560-3288 / fax: (540) 231-7417
email: moeltner@vt.edu
web: http://faculty.agecon.vt.edu

Academic Employment:
Professor, Department of Agricultural and Applied Economics, Virginia Tech (current)
Associate Professor, Department of Agricultural and Applied Economics, Virginia Tech (2011-2015)
Associate Professor, Department of Resource Economics, University of Nevada, Reno (2006–2010)
Assistant Professor, Department of Resource Economics, University of Nevada, Reno (2000 - 2006)

Other Professional Experience:
Visiting Scholar, Luskin Center for Innovation, School of Public Affairs, UCLA (Aug-Dec. 2010)
Visiting Instructor, Free University, Amsterdam (Dec. 2009)
Visiting Instructor, University of Innsbruck (June 2008, 2009)

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)

Languages:
German (native), French (fluent), Spanish (working knowledge)

Journal Publications


**Book Chapters:**


**Research in Progress:**

Floodplain Designation and Property Sale Prices in an Urban Watershed (with N. Netusil and M. Jarrad); in review

Waters of the United States: Upgrading Wetland Valuation via Benefit Transfer (with E. Besedin, B. Holland, and J. Balukas); in review

Controlling for Unobserved Spatial and Temporal Effects in Hedonic Matching (with J. Cohen and T. Holmes); in progress

Air Pollution and Respiratory Health: The Importance of Controlling for Pollen Counts (with O. Bagheri); in progress.

Bayesian Threshold Models for Stochastic Plateau Production Functions (with C. Neill and F. Ramsey); in progress.
Variable Uncertainty in Spatially Informed Discrete Choice Models (with R. Johnston and Z. Yao); in progress.

**Presentations (last 3-4 years):**


"Bayesian Nonlinear Meta-Regression for Benefit Transfer," presented at the W4133 Regional Project Meetings, Austin, TX, Feb. 21 - 23, 2018

"Special flood hazard effects on coastal and interior home values: One size does not fit all," presented at:
(i) The Virginia Association of Economists' 45th Annual Meeting, Radford University, VA, Apr. 5-6, 2018
(ii) University of Connecticut, Dec. 8, 2017

“Coastal hazard zones and home values: (1) Overview / (2) Analysis / (3) The role of hardened shoreline,” presented at the stakeholder workshop “The Economics of Natural and Nature Based Coastal Adaptation,” Great Bay National Estuarine Research Reserve, Greenland, NH, March 29, 2017


"Coastal hazard zones and home values: The quest for an unbiased treatment effect," presented at the W3133 Regional Project Meetings, Carlsbad, CA, Feb. 22 - 24, 2017


"Valuing electricity-dependent infrastructure: An essential-input approach," presented at:
(i) University of Nevada, Reno, Sep. 12, 2016
(ii) Montana State University, Sep. 9, 2016
(iii) The Virginia Association of Economists' 43rd Annual Meeting, Mar. 31 – Apr. 1, 2016


"Making hedonic data look more like experimental data: Pre-processing the sample via matching," presented at the W3133 Regional Project Meetings, Pensacola Beach, FL, Feb. 25 - 27, 2015

**Grant Activities as PI / Co-PI**


$26,000. Moeltner, K. "Weather Events, Climate Change, and the Cost of Power Outages to Austrian Households." Energy Institute, Johannes Kepler University, Linz, Austria, 05/15 - 12/15.


$175,000. Johnston, R., C. Blinn, K. Moeltner. "Coastal Hazards and Northeast Housing Values: Comparative Implications for Climate Change Adaptation and Community Resilience." Northeast Sea Grant Consortium, 02/14 – 01/16.

$34,960. Moeltner, K. "Promoting Public Support for Energy-Related Infrastructure Projects". Energy Institute, Johannes Kepler University, Linz, Austria, 06/13 - 11/14


$69,500. Boyle, K., K. Moeltner, E. Wiseman, R.H. Wynne, "Large Scale Hedonic Property Value Analysis of Forest Pests". USDA, Forest Service, 06/11 – 07/12.


$253,000. Moeltner K., Karen Spears, " Breakfast At School: The Effect Of Price, Location, and Timing on Economic Costs And Nutritional Outcomes", Nevada Agricultural Experiment Station, 07/10 - 07/12.

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

$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.


$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 Courses:
- Introduction to Environmental and Resource Economics (UNR)
- Introduction to Statistical Methods (UNR)
- Valuation of Non-Market Goods (UNR)

Graduate Courses:
- Bayesian Data Analysis (UNR)
- Bayesian Econometric Analysis (VT)
- Econometrics I (UNR)
- Econometrics II (UNR)
- Environmental Economic Theory and Policy (VT)
- Graduate Econometrics II ("Empirical Economics", VT)
- Microeconomic Theory II (UNR)
- Valuation of Non-Market Goods (UNR)

Courses and Workshops outside of UNR and VT:
- An Introduction to Bayesian Econometrics with Applications in Non-market Valuation, Free University of Amsterdam, Dec. 2009 (1 week)
- Workshop on Bayesian Estimation Methods in Meta-Analysis, Oregon State University, Oct. 1, 2009
- Modern Micro-Econometric Methods, University of Innsbruck, Austria, June 2008 and 2009 (2-3 weeks)
**Current advising:**
8 PhD students (Chair or Co-Chair for 2); 2 MS students

**Service Activities**

**Departmental (VT)**
- Director of Graduate Program, May 2017 - present
- Graduate Committee, Jan. 2011 - present
- PhD Qualifying Exam committee, Fall 2011 – present

**Refereeing:**
- Agricultural and Resource Economics Review
- American Journal of Agricultural Economics
- Australian Journal of Agricultural and Resource Economics
- Conservation and Society
- Ecological Economics
- Economic Inquiry
- Energy Economics
- Energy Journal
- Environment and Development Economics
- Environmental and Resource Economics
- Journal of Agricultural and Applied Economics
- Journal of Agricultural and Resource Economics
- Journal of the Association of Environmental and Resource Economists
- Journal of Econometrics
- Journal of Economic Behavior and Organization
- Journal of Environmental Economics and Management
- Journal of Environmental Management
- Journal of Forest Economics
- Journal of Leisure Research
- Land Economics
- Marine Resource Economics
- Scandinavian Journal of Economics
- Tourism Management
- Resource and Energy Economics
- Review of Economics and Statistics
- Water Resources Research

**Other Service Activities**
- Co-Editor, Environmental and Resource Economics (2013 - current)


**Honors and Awards**
- 2018 best paper award by the Virginia Association of Economists (VAE)
- Best paper published in *Environmental and Resource Economics* during 2014, European Association of Environmental and Resource Economists (EAERE )
Advisor, best Master's Thesis 2014 (by Jed Cohen), Agricultural and Applied Economics Association (AAEA)

College of Agriculture, Biotechnology, and Natural Resources (CABNR) Outstanding Instructor 2004
James O. York Fellowship, University of Washington, 1996
Scholarship for Graduate Studies Abroad, Austrian Ministry for Science and Research, 1994-1996