

Travis Wayne Warziniack
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Education

Ph.D., Economics, *University of Wyoming*, 2008

M.S., Economics, *University of Texas*, 2001

B.S., *cum laude*, Economics with Mathematics minor, *Louisiana State University*, 1998

Professional Experience

Junior Professor of Environmental Economics, *University of Heidelberg*, March 2009 – present

Research Manager, *Angelou Economics Consulting*, 2002 – 2006

Program Analyst GS-9, *U.S. EPA National Center for Environmental Economics*, 2001

Awards and Honors

First in class, University of Wyoming Department of Economics and Finance 2003 - 2008

Environmental Protection Agency GRO Fellowship, 2006 – 2009

William E. Morgan Graduate Award, 2007 – awarded for excellence in economics graduate study

Plummer Scholarship for Environment and Natural Resource Conservation and Management, 2005 - 2008

Journal Articles (total = 5)

5. Warziniack, Travis, David Finnoff, Jonathan Bossenbroek, Jason Shogren, and David Lodge. forthcoming. Stepping stones for biological invasion: A bioeconomic model of transferable risk, *Environment and Resource Economics*.

4. Warziniack, Travis. 2010. The Efficiency of Public Goods Provision in Space, *Ecological Economics*.

3. Finnoff, David, Christopher McIntosh, Jason Shogren, Charles Sims, and Travis Warziniack. 2010. The Economics of Invasive Species, *Annual Review of Resource Economics*.

2. Tanner-Ehmke, Mariah, Travis W. Warziniack, and Christiane Schroeter. 2008. Applying Experimental Economics to Obesity in the Family Household, *Journal of Agricultural and Applied Economics*, 40:539-549.

1. Warziniack, Travis W., Jason F. Shogren, and Gregory Parkhurst. 2007. Creating Contiguous Forest Habitat: An experimental examination on incentives and communication, *Journal of Forest Economics*, 13:191-207.

Book Chapters (total = 1)

1. Bossenbroek, Jonathan M., David Finnoff, Jason Shogren, and Travis Warziniack. 2009. Advances in ecological and economic analysis of invasive species: dreissenid mussels as a case study, in Keller, Reuben P., David M. Lodge, Mark A. Lewis, and Jason F. Shogren, *Bioeconomics of Invasive Species: Integrating ecology, economics, policy, and management*. Oxford University Press.

Reports, Proceedings, and Conference Papers

Water and Migration, *Annual Conference of the International Society of Ecological Economics*, Oldenburg and Bremen, 2010.

Biological Stepping Stones: A bioeconomic model of species invasions, *World Congress for Environmental and Resource Economics*, Montreal, 2010.

- , *Annual Conference of the Applied and Agricultural Economics Association*, Denver, 2010.

Majority Rule & Gentrification: A model of voting with spatial preferences, *International Symposium on Society and Resource Management*, Burlington, Vermont, 2008.

Applying Experimental Economics to Obesity in the Family Household, *Southern Agricultural Economics Association Annual Meeting*, Dallas, Texas, 2008.

General Equilibrium Impacts from Zebra Mussel Invasion into the Western United States, *EPA Fellows Conference 2006*, Washington, D.C.

Economic Profiles for EPA's National Estuary Program, with Jared Creason, Jamal Kadri, and Gregg Serenbetz, *2002 National IMPLAN Users' Conference Paper* and *NCEE working paper*.

State of New Mexico Target Industries, AngelouEconomics, Research Manager

Centralina Comprehensive Economic Development Strategy, AngelouEconomics, Research Manager, funded by US Department of Commerce and Centralina Council of Governments.

Northwest North Carolina Comprehensive Economic Development Strategy, AngelouEconomics Research Manager, funded by US Department of Commerce Economic Development Agency and Piedmont-Triad Council of Governments. Project won EDA's Award for Innovation.

Grants and External Funding

Water in Sensitive Regions (443,000 €) - Part of the Global Change and Globalization Excellence Initiative, University of Heidelberg. Three year project to assess water available and constraints to growth from water resources in the Near East.

Courses Taught

University of Heidelberg

Copenhagen 2009: The new face of climate change policy (Winter 2009)

Natural Resources and Economic Development (Summer 2009)

Economics of Climate Change (Winter 2008)

University of Wyoming

Econ 4410 Natural resource economics (Fall 2006, Fall 2007)

Student Supervision

Sara Kettner, bachelors thesis "The optimal design of a cap-and-trade emission system" (2010)

Yihui Lee, diploma thesis "The impact of Chinese economic reforms on the global rice price" (2010)

Reviews for Peer Reviewed Journals (total = 8)

Journal of Agriculture and Resource Economics	(1 article)
Journal of Economics and Business	(1 article)
Journal of Environmental Economics and Management	(1 article)
Environmental and Resource Economics	(2 articles)
Resource and Energy Economics	(2 articles)
Society and Natural Resources	(1 article)
Policy reports and expert opinions	(1 report)

Professional Memberships and Activities

American Association for the Advancement of Science

American Economics Association

Association of Environmental and Resource Economists

International Association for Society and Natural Resources

American Agricultural Economics Association

Environmental Protection Agency Fellowship Conference Planning Committee, 2008, 2009

Abstracts for Current Research Projects

Water and economic growth: This project examines the role water has played and will continue to play in the growth of water constrained economies. We employ an integrated systems approach with links between water users and impacts on water quality. Water is a driver of economic growth, and economic growth affects water quality. We examine water prices and water quotas as a form of protection for industries. We apply the model to water allocation decisions in the Near East and examine how water policies have influenced migration patterns of environmental and political refugees in the region. This project is currently funded through the University of Heidelberg's Global Change and Globalization Excellence Initiative.

Efficiency of Public Decisions in Space: This project explores spatial aspects of public goods and efficiency results of financing mechanisms and decision-making processes. When benefits and costs do not accrue at the same spatial scale, residents compete for provision of the good and for preferential treatment in the tax system. This is particularly pronounced when goods are allocated according to a political process and financed through property taxes.

Invasive species risk and economic integration: This project examines the link between economic integration and spread of invasive species. Free trade agreements increase the volume of trade and limit preventative efforts of natural resource managers. Free trade may thus lead to high rates of biodiversity loss throughout integrated economies. Free trade agreements also focus trade to a smaller set of trading partners, and often, these trading partners have similar existing species pools. While the transport of species may increase, most species are likely to already be established in both countries. We examine this issue in a spatial bioeconomic model of an economy open to trade.

Abstracts for regularly taught courses

Natural Resources and Economic Development (usually offered during summer term):

Many of the world's most resource-abundant nations are also its most poor. Across Africa, Asia, and Latin America, the struggle to survive has often come at the expense of sustainable use of natural resources. And so policy makers must often tradeoff economic prosperity for conservation objectives.. or do they? This class attempts to answer this question using modern economic tools, with the hopes of producing better global citizens and future policymakers capable of addressing this pressing issue.

The course is designed to give students a thorough understanding of the role natural resources play in developing nations. By the end of the class, students should be able to apply economic models to development constraints faced around the world and global policies of sustainable development.

The Economics of Climate Change (usually offered during winter term):

Climate change is the most important environmental issue affecting our world today, threatening species extinction in large numbers, adverse health affects among humans, and landscape change. Despite consensus on the dangers of climate change, however, the global community has failed to enact policies sufficient for dealing with the problem. This class investigates the reasons past policy efforts have failed and assesses the viability of current policy proposals, engaging students in the most important environmental debate in history.