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Hendrik Wolff  
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## AFFILIATIONS

Assistant Professor of Economics, University of Washington, Department of Economics, since September 2007  
Arthur J. Gresh Faculty Career Development Fellow, 2007-2010  
Faculty Affiliate, Center for Studies in Demography and Ecology, University of Washington, since April 2010  
Member of the Program of the Environment Advisory Board, University of Washington, since October 2010  
IZA Research Fellow, since April 2010  
IZA Research Affiliate, March 2007-April 2010  
CESifo Research Network Affiliate, since December 2011

## EDUCATION

Ph.D. University of California, Berkeley, Agricultural and Resource Economics, May 2007  
M.Sc. University of California, Berkeley, Agricultural and Resource Economics, December 2004  
M.Sc. (*Diplom Ing. Agr.*) University of Bonn, Germany, Agricultural Engineering, December 2000  
B.A. (*Vordiplom*) University of Göttingen, Germany, Agricultural Engineering, September 1997

## DISSERTATION

*Testing Simulation and Structural Models with Applications to Energy Demand*  
Principal advisors: Maximilian Auffhammer (co-chair) and Michael Hanemann (co-chair)  
Other references: Guido Imbens, Enrico Moretti and David Zilberman

## PUBLISHED ARTICLES

- Wolff**, H., H. Chong and M. Auffhammer (2011): "Classification, Detection and Consequences of Data Error: Evidence from the Human Development Index", *Economic Journal*, Vol. 121(June), pp.843-870.
- Fuchs, A. and H. **Wolff** (2011): "Concept and Unintended Consequences of Weather Index Insurance: The Case of Mexico", *American Journal of Agricultural Economics* 93(2), pp. 505-511.
- Wolff**, H., T. Heckeleei and R. Mittelhammer (2010): "Imposing Curvature and Monotonicity on Flexible Functional Forms". *Computational Economics*, 36(4), pp. 309-339.
- Wolff**, H. and L. Perry: (2010): "Trends in Clean Air Legislation in Europe: Particulate Matter and Low Emission Zones". *Review of Environmental Economics and Policy*. 4(2), pp. 293-308.
- Kellogg, R. and H. **Wolff** (2008): "Daylight Time and Energy: Evidence from an Australian Experiment", *Journal of Environmental Economics and Management*, 56, pp. 207-20, lead article. Recipient of the 2009 JEEM best paper award.
- Wolff** H., and P. Villalobos (2004): "Willingness to Pay for Clean Air in Chile." *Ecosostenible*, 61(6), pp. 42-48. In Spanish. English version presented at *Econometric Society Meeting, Sao Paulo, 2002*.
- Britz, W., T. Heckeleei and H. **Wolff** (2003): "Symmetric Positive Equilibrium Problem: A framework for rationalizing economic behavior with limited information: Comment." *American Journal of Agricultural Economics*, 85(4).
- Heckeleei, T. and H. **Wolff** (2003): "Estimation of constrained optimisation models for agricultural supply analysis based on generalised maximum entropy." *European Review of Agricultural Economics*. 30(1), pp. 27-50.

Latacz-Lohmann, U., G. Recke, and H. **Wolff** (2001): "Determinants to Switch from Conventional to Biological Farming and the Concept of Path Dependence." *German Journal of Agricultural Economics*, 50(7), pp. 433-438.

**Wolff**, H. and G. Recke (2000): "Path Dependence and Implementation Strategies for Integrated Pest Management." *Quarterly Journal of International Agriculture*, 39(2), pp. 149-171.

## OTHER PUBLICATIONS

**Wolff**, H., H. Chong, and M. Auffhammer (2011): The Questionable Reliability of International Statistics: Evidence from the Human Development Index. Royal Economic Society Media Briefings, June 2011.

**Wolff**, H. (2010): Agricultural Policy Information Systems: Measuring Impacts on Markets via Mathematical Programming Models, General Equilibrium Models and Econometrics. In Villalobos, P., A. Engler, and H. Rojas: Regulatory Impacts and International Quality Standards of Food Quality in Chile. University of Talca. In Spanish, ISBN: 978-956-329-007-3.

Wroblewski, J. and H. **Wolff** (2010): Risks to Agribusiness Investment in Sub-Saharan Africa. Evans School Policy Analysis and Research Group, EPAR Paper 57, Report for the *Bill & Melinda Gates Foundation*.

Killebrew, K. and H. **Wolff** (2010): Environmental Impacts of Agricultural Technologies. Evans School Policy Analysis and Research Group, EPAR Paper 65, Report for the *Bill & Melinda Gates Foundation*.

**Wolff**, H. (2008): Testing Simulation and Structural Models with Applications to Energy Demand. PhD Dissertation, Publication Number 3275653. ProQuest Dissertations & Theses. Chicago.

Villalobos, P. and H. **Wolff** (2002): Disposición a Pagar para un Fondo de Protección Ambiental en Zonas Rurales de Chile - Concepto y Aplicación. Conference 7° Encuentro Científico sobre el Medio Ambiente "El Circulo Virtuoso del Desarrollo Sustentable" 28 al 30 de Mayo 2002.

Heckelei, T. and H. **Wolff** (2002): "Ansätze zur (Auf-)Lösung eines alten Methodenstreits: Ökonometrische Spezifikation von Programmierungsmodellen zur Agrarangebotsanalyse". In: Brockmeier, M., F. Isermeyer and S. v. Cramon Taubadel: Liberalisierung des Weltagrarhandels. Münster-Hiltrup, 37, pp. 377-388.

Recke, G., U. Latacz-Lohmann and H. **Wolff** (2002): "Pfadabhängigkeit und Umstellung auf ökologischen Landbau - eine empirische Studie". In: Brockmeier, M., F. Isermeyer and S. v. Cramon Taubadel: Liberalisierung des Weltagrarhandels. Münster-Hiltrup, 37, pp. 503-508.

Sander, R., W. Britz, T. Heckelei and H. **Wolff** (2000): "Die Veränderung der regionalen Wettbewerbsfähigkeit der Ölsaaten- und Getreideproduktion unter dem Einfluß der GAP 1992 - Analyse auf Grundlage einer EU-weiten, regionalisierten Datenbasis". In: V. Alvensleben, R., Koester, U. and C. Langbehn: Wettbewerbsfähigkeit und Unternehmertum in der Land- und Ernährungswirtschaft, 36, pp. 21-28, Münster-Hiltrup.

**Wolff**, H. (1999): "Economics of Tomato Production with special Reference to Aspects of Plant Protection: A Case Study of Two Tomato Production Systems in Brong-Ahafo Region, Ghana." CD included with two Scenario Programmes, Ghanaian-German Project for Integrated Crop Protection, GTZ, Eschborn. 131 pages.

## WORKING PAPERS (all available upon request)

"Keep Your Clunker In The Suburb: Low Emission Zones and Adoption of Green Vehicles", with L. Perry.

"Value of Time: Speeding Behavior and Gas Prices".

"Can we Close the Gap between the Empirical Model and Economic Theory?"

"Climate Amenities, Climate Change and American Quality of Life", with D. Albouy, W. Graf, and R. Kellogg.

"Weather-Indexed Insurance in Mexico: Credit, Productivity and Risk Management", with A. Fuchs, 2011

"Speeding Behavior on Highways and Gas Prices", with K.E. Watkins

"Why should we keep DST if it does not save Energy? Evidence from Outdoor Recreation Behavioral Records", with M. Makino, 2011.

"Evolution of Sector Specific U.S. Carbon Emissions and Recessions", with Gronwald, M.

"Innovations of Life Style Drugs and Socio-Economic Consequences".

"The Role of Information Channels, Farmer's Pesticide Use and Health Effects: Evidence from Bangladesh", with Shamma A. Alam.

## WORK IN PROGRESS

“Nuclear Economics: Placement Decisions and Valuation of Amenities”, with Skylar Olsen

“Agricultural Yields and Extreme Temperatures: A Functional Analysis Approach”, with Sonja Greven

“REDD+ and the Payment for Ecosystems in Ecuador”

## POPULAR MEDIA

The paper “Classification, Detection and Consequences of Data Error: Evidence from the HDI” has been discussed

- in press: *THE ECONOMIST*, printed version, January 8<sup>th</sup> 2011.

The paper “Daylight Time and Energy: Evidence from an Australian Experiment” has been discussed

- on TV e.g.: ABC News (U.S. national), Bloomberg TV (U.S. national), KTVU/Fox (California), Channel 5 (California).
- on Radio e.g.: CBC (Canada national), CBS (USA), KQED (California), KGO (California).
- in press e.g.: *Wall Street Journal*, *Chicago Tribune*, *U.S. News*, *Federal Reserve Bank*, *Guardian* (UK), *National Geographic*.

My work on Energy Economics and Energy Policy has been discussed

- in press e.g.: *Seattle Post Intelligencer* (October 2008).
- various Pacific Northwest Radio stations.

My work on Agricultural Commodity Prices has been discussed

- in press e.g.: *The Seattle Times* (April 2008).
- various Pacific Northwest Radio stations.

## HONORS

2009 Ralph C d’Arge and Allen V. Kneese Award for Outstanding Publication in the *Journal of Environmental Economics and Management*.

*Fleishhacker Foundation* and UC Berkeley Financial Award, 2004-2005.

Scholarships: *German Academic Exchange Service (DAAD)*, 2002-2003.

*Most original masters thesis of the year 1999*, Göttingen University, Faculty of Agricultural Sciences, 1999.

## PROFESSIONAL REVIEW ACTIVITIES

**Journals:** *African Journal of Agricultural Research*, *American Journal of Agricultural Economics*, *European Economic Review*, *European Review of Agricultural Economics*, *Economic Modeling*, *Journal of Agricultural Economics*, *Journal of Environmental Economics and Management*, *Journal of Housing Economics*, *Quarterly Journal of International Agriculture*, *Resource and Energy Economics*.

**Grants:** *National Science Foundation (Reviewer of CAREER grants in Division of Social and Economics Sciences)*, *The University of California Energy Institute (UCEI) (Reviewer of California Energy Studies Proposals)*.

**Books:** *Toronto University Press*, *Elsevier*, *Addison Wesley*.

**Other:** *Member of the Committee of Reviewers for the National Research Council, U.S. EPA.*

## **OTHER RESEARCH/WORK EXPERIENCE**

- Participation in special lecture series for Primary, Middle and High School Teachers, Community College and In-Service Educators: Traffic, Air Pollution, Energy Conservation and Climate Change, 2011.
- Outreach in Washington D.C. Discussed the economics of carbon taxes and the “cap and trade system” with Senators and House Representatives (*Jim McDermott, Jay Inslee*, and offices of *Patty Murray* and *Maria Cantwell*) on the Hill in Washington D.C., November 2009.
- Consultant, Department of Energy, *Evaluation of Energy Conservation Policies*, Washington D.C., 2008-2009.
- Research assistant, with Professor G. Imbens, UC Berkeley: (a) *Analysis of statistical methods for “data masking” in order to release sensitive individual datasets.* (b) *Estimating treatment effects using Markov Chain Monte Carlo techniques to obtain the distributions of the parameters of interest*, 2003-2004.
- Research assistant, with Professor R. Mittelhammer, Washington State University: *Developing Bayesian techniques to estimate multivariate polynomials subject to nonlinear inequality constraints*, 2002-2003.
- Research assistant, with Professor W. Henrichsmeyer, University of Bonn, Germany: *Developing Multi-Input-Multi-Output Models. Forecasting Long Run Demand and Supply for Agricultural Commodities subject to different WTO and European Agricultural Policy Instruments*, 1999-2002.
- Ghana*: Fieldwork conducting surveys in a development project to optimize pesticide use and reduce externalities in intensive agricultural vegetable production, German Technical Co-operation (GTZ), Integrated Crop Protection/Ghana, 05 - 09/1998.
- Chile*: Internship at the Agricultural Academy, Linares; Deputyship for the International Association of Agricultural Students (IAAS), 11/1996 - 04/1997.
- Mexico*: Volunteer in development projects of the Friedrich-Ebert-Stiftung (CODAC & SEDAC, Ixmiquilpan, Hgo), 06/1993 - 05/1994.
- Guatemala*: Management of Restaurant in San Pedro, Lake Atitlan, 11/1993 - 03/1994.

## **FUNDED RESEARCH GRANTS**

- Influence of Economic Incentives on Common-Property Forest Management: Rural Decision Making in the Context of REDD+*, National Science Foundation (NSF) three-year research grant, with T. Hayes and F. Murtinho, \$619,730, 2012-2015.
- Are Energy and Capital Substitutes or Complements?* Center for Statistics and Social Sciences (CSSS), one-year research grant, \$24,765. 2011-2012.
- Air Pollution in Europe*, Royalty Research Fund, one-year research grant, \$40,000. 2008-2009.
- Cross Regional Learning from Disaster Experiences*, National Science Foundation (NSF) four-year research grant, with M. Hanemann *et al.*, \$749,446, 2006-2010.
- Fighting over Aid: The Endogenous Choice of Development Indicators*, Institute on Global Conflict and Cooperation (IGGC) one-year research grant in development economics: with M. Auffhammer, 2006-2007, \$20,000.

## **CONFERENCE AND SEMINAR PRESENTATIONS**

- Occasional Workshop on Environmental and Resource Economics, Santa Barbara, 2012
- TREE Seminar, Duke & NCState, 2011
- University of Seoul, Korea, 2011
- CES-IFO Munich, 2011
- NBER (National Bureau of Economic Research) Summer Institute, 2011
- Annual Conference of Association of Environmental and Resource Economists, Seattle, 2011
- Conference on the Economics of Adaptation to Climate Change in Low-Income Countries, George Washington University, Washington, D.C., 2011
- Seminar, Department of Economics, University of Oregon, Eugene, 2011
- Allied Social Science Associations (ASSA) Meetings, Denver, 2011
- Public Lecture, University of Talca, Chile, 2010
- Occasional Workshop on Environmental and Resource Economics, Santa Barbara, 2010

University of British Columbia 2010 Workshop on Environmental Economics and Climate Change, 2010  
 Seminar, Department of Economics, University of Kentucky, 2010  
 Seminar, Sauder School of Business, University of British Columbia, Canada, 2010  
 Seminar, Center for Studies in Demography and Ecology, University of Washington, 2010  
 Weihnachtstreffen deutscher Ökonomen im Ausland, Heidelberg, 2009  
 Occasional Workshop on Environmental and Resource Economics, Santa Barbara, 2009  
 Seminar, Department of Rural Economy, University of Alberta, Canada, 2009  
 Conference, 2009 Agricultural & Applied Economics Association, Milwaukee, 2009  
 Conference, 2009 Association of Environmental and Resource Economists, Vancouver, 2009  
 Conference, 2009 European Association of Environmental and Resource Economists, Amsterdam, 2009  
 Conference, 2009 NBER Conference "Climate Change" Past and Present", Boston, 2009  
 Conference, 2009 Pacific Conference for Development Economics, San Francisco, 2009  
 Seminar, Department of Economics, University of Concepcion, Chile, 2008  
 Conference "Impacts of Food Quality and Safety Regulations", Talca, Chile, 2008  
 Seminar, Department of Statistics, University of Washington, 2008  
 Seminar, Department of Agricultural and Resource Economics, UC Davis, 2007  
 Occasional Workshop on Environmental and Resource Economics, Santa Barbara, 2006.  
 Environmental and Resource Economics Seminar, University of California, Berkeley, 2006.  
 Seminar on Bayesian Inference in Econometrics and Statistics, University of Iowa, 2006.  
 Seminar, Department of Agricultural Politics, University of Kiel, Germany, 2006.  
 Econometric Society: North American Summer Meeting, Brown University, 2004.  
 Econometric Society: European Meeting, Madrid, 2004.  
 American Agricultural Economics Association (AAEA) Meeting, 2004.  
 Summer Econometrics Workshop, University of California, Berkeley, 2004.  
 Environmental and Resource Economics Seminar, University of California, Berkeley, 2003.  
 Econometric Society: Latin American Meeting, Sao Paulo, Brazil, 2002.  
 Tagung der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaus, 2001.

## TEACHING EXPERIENCE

Short PhD block course in *Environmental Economics*, Ludwig Maximilian University, Munich, Summer 2011.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Spring 2011.  
*Environmental Economics*, ECON536, PhD course, University of Washington, Spring 2011.  
*Econometric Theory and Practice*, ECON482, undergraduate course, University of Washington, Winter 2011.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Winter 2011.  
*Environmental Economics*, ECON536, PhD course, University of Washington, Spring 2010.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Spring 2010.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Winter 2010.  
*Environmental Economics*, ECON536, PhD course, University of Washington, Spring 2009.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Spring 2009.  
*Econometrics*, ECON581, PhD course, University of Washington, Winter quarter 2009.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Spring 2008.  
*Environmental Economics*, ECON536, PhD course, University of Washington, Spring 2008.  
*Environmental Economics*, ECON436, undergraduate course, University of Washington, Autumn 2007.  
*Applied Econometrics*, ARE213, PhD level course, Graduate student instructor with Prof. Guido Imbens, 2006.  
*Probability and Statistics*, ARE211, PhD level course at UC Berkeley, with Jeffrey LaFrance, 2004.  
*Mathematical Methods*, ARE210, PhD level course at UC Berkeley, with Leo Simon, 2004.  
*Econometric Methods*, lecturer twice at University of Bonn in 1999-2002.  
*Welfare Analysis*, Lecturer at University of Bonn in 2001-2002.

*Macroeconomics*, Student instructor at University of Bonn in 1999.

## **STUDENTS**

Chair of doctoral supervisory committee of Lisa Perry (Economics), in progress  
Chair of doctoral supervisory committee of Skylar Olsen (Economics), since Summer 2011  
Chair of doctoral supervisory committee of Daniel Brent (Economics), since Summer 2011  
Chair of doctoral supervisory committee of Joe Dieleman (Economics), since Fall 2011  
Interim advisor of Yeuan (Allen) Chen (Economics), since Fall 2011  
Interim advisor of Shamma Adeeb Alam (Economics), since Fall 2011  
Member of doctoral supervisory committee of Susan Gunn (Economics), since November 2010  
Member of doctoral supervisory committee of Momoe Makino (Economics), since September 2010  
Member of doctoral supervisory committee of Wahid Abdallah (Economics), since January 2009  
Member of doctoral supervisory committee of Alexander Jarvis Kirk (Economics), since January 2009  
Member of doctoral supervisory committee of Dan Wang (Economics), since March 2009  
Thesis advisor of David Davis (Economics – Honors Directed Study), June 2008  
Thesis advisor of David Vitale (Economics – Honors Directed Study), June 2009  
Thesis advisor of Milun Zhang (Economics – Honors Ad Hoc Thesis), April 2010  
Thesis advisor of Po Y.L. Kaboo Leung (Economics – Honors Directed Study), May 2010  
*Kaboo's thesis won the best undergraduate thesis of the year 2010 award.*  
Thesis advisor of Teresa Ai-Shiung Teng (Economics – Honors Directed Study), May 2011  
*Teresa's thesis won the best undergraduate thesis of the year 2011 award.*

## **PROFESSIONAL MEMBERSHIPS**

American Agricultural Economics Association, American Economic Association, Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists, Royal Economic Society, Verein für Socialpolitik.

## **LANGUAGES**

German (native), English (fluent), Spanish (very good), French (basic).

## **STATISTICAL SOFTWARE**

ArcGIS, EViews, GAMS, GAUSS, Maple, Matlab, SPSS, Stata, Visual Basic.

CV updated: January, 2012