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ULRICH J. WAGNER

Appointments:

UNIVERSITÄT MANNHEIM

Professor of Economics, Chair in Quantitative Economics 2015-

UNIVERSIDAD CARLOS III, Madrid, Spain.

Associate Professor of Economics (tenured) 2014-15
Assistant Professor of Economics 2008-2014
On academic leave 2013-2014, 2015-17

BANCO DE ESPAÑA, Madrid, Spain.

Visiting Fellow, Research Department. 2013-2014

COLUMBIA UNIVERSITY, New York, USA.

Postdoctoral Fellow, The Earth Institute. 2006-2008

Co-Editor, *Journal of the Association of Environmental and Resource Economists* 2016-

Co-Editor, *Economics: The Open-Access, Open-Assessment E-Journal* 2010-

Editorial Board, *Journal of Environmental Economics and Management* 2015-

Member, Environmental Economics Committee of the German Economic Association 2014-

Research Associate, Center for European Economic Research (ZEW) 2015-

Research Fellow, DIW German Institute for Economic Research 2015-

Research Affiliate, Kiel Institute for the World Economy (IfW) 2010-

Research Associate, Centre for Economic Performance, London School of Economics 2007-

Education:

Ph.D. Economics, Yale University (USA) 2006.

Diplom-Volkswirt, Christian-Albrechts-Universität zu Kiel (Germany) 2001.

Sciences économiques, Université de Paris I Panthéon-Sorbonne (France) Spring 1998.

Vordiplom, Economics, Universität Hamburg (Germany) 1998.

Published papers:

11. Narita, D. and U.J. Wagner (2017). Strategic Uncertainty, Indeterminacy, and the Formation of International Environmental Agreements. *Oxford Economic Papers*, 69 (2): 432-452.

10. Wagner, U.J. (2016). Estimating Strategic Models of International Treaty Formation. *Review of Economic Studies*, 83(4): 1741-1778.

9. Martin, R., M. Muûls, and U.J. Wagner (2016). The Impact of the EU Emissions Trading System on Regulated Firms: What is the Evidence after Ten Years? *Review of Environmental Economics and Policy*, 10(1): 129-148.

8. Martin, R., L.B. de Preux, and U.J. Wagner (2014). The Impact of a Carbon Tax on Manufacturing: Evidence from Microdata. *Journal of Public Economics*, 117:1-14.
7. Martin, R., M. Muûls, L.B. de Preux, and U.J. Wagner (2014). On the Empirical Content of Carbon Leakage Criteria in the EU Emissions Trading Scheme. *Ecological Economics*, 105:78-88.
6. Martin, R., M. Muûls, L.B. de Preux, and U.J. Wagner (2014). Industry Compensation Under Relocation Risk: A Firm-level Analysis of the EU Emissions Trading Scheme. *American Economic Review*, 104(8): 2482-2508.
- Editor's Choice, *Science* (2014) Vol. 344 No. 6180
- Winner of the Erik Kempe Award in Environmental and Resource Economics 2015
Reprinted as Chapter 39 of "The Economics of Environmental Policy: Behavioral and Political Dimensions", Thomas Sterner and Jessica Coria (eds.), Edward Elgar: Cheltenham, 2016.
5. Martin, R., M. Muûls, L.B. de Preux, and U.J. Wagner (2012). Anatomy of a Paradox: Management Practices, Organizational Structure and Energy Efficiency. *Journal of Environmental Economics and Management* 63(2): 208-223.
4. Petrick, S., K. Rehdanz and U.J. Wagner (2011). Energy Use Patterns in German Industry: Evidence from Plant-level Data. *Jahrbücher für Nationalökonomie und Statistik*, 231(3): 379-414.
3. Wagner, U.J., and C. Timmins (2009). Agglomeration Effects in Foreign Direct Investment and the Pollution Haven Hypothesis. *Environmental and Resource Economics*, 43(2): 231-256.
Reprinted as chapter 16 of "Recent Developments in Trade and the Environment", Brian R. Copeland (ed.), Edward Elgar: Cheltenham, 2014.
2. Wagner, U.J. (2009). The Voluntary Provision of a Pure Public Good? Another Look at CFC Emissions and the Montreal Protocol, *Oxford Economic Papers*, 61(1): 183-196.
1. Wagner, U.J. (2001). The Design of Stable International Environmental Agreements: Economic Theory and Political Economy. *Journal of Economic Surveys*, 15(3): 377-411.
Reprinted as Chapter 5 of "Current Issues in Environmental Economics", Nick Hanley and Colin J. Roberts (eds.), Blackwell Publishing, 2002.

Working papers:

1. The Impact of Carbon Trading on Manufacturing: Evidence from German Firms (with Sebastian Petrick). *Kiel Working Paper No. 1912*, March 2014.
2. The Causal Effects of the European Union Emissions Trading Scheme: Evidence from French Manufacturing Plants (with Jonathan Colmer, Ralf Martin and Mirabelle Muûls), *Draft*. November 2013.
3. Carbon Markets, Carbon Prices and Innovation: Evidence from Interviews with Managers, (joint with Ralf Martin and Mirabelle Muûls), *Draft*. December 2012.
4. Air Quality and Labor Supply: Evidence from Social Security Data (with Felix Holub and Laura Hospido)

Book Chapters:

1. Interactions between Selected Energy Use and Production Characteristics of German Manufacturing Plants, (with Sebastian Petrick and Katrin Rehdanz). In: Moshfegh, B. (ed.), *World Renewable Energy Congress – Sweden, 8-13 May, 2011*: 867-874. Linköping, Sweden.
2. Trading Behavior in the EU Emissions Trading Scheme (with Ralf Martin and Mirabelle Muûls). In: Gronwald, M. and Hintermann, B. (eds.), *Emissions Trading Systems as a Policy Instrument: Evaluation and Prospects*, MIT Press, Cambridge, MA, July 2015.

Policy Papers:

1. Evaluating the EU Emissions Trading System: Take it or leave it? An assessment of the data after ten years (with Jonathan Colmer, Ralf Martin and Mirabelle Muûls). *Grantham Institute Briefing Paper* No. 21, Imperial College, London, October 2016.
2. The polluter-doesn't-pay principle (with Ralf Martin and Laure de Preux). *CentrePiece*. Spring 2012.
3. Still time to reclaim the European Union Emissions Trading System for the European tax payer (joint with Ralf Martin and Mirabelle Muûls), *CEP Policy Brief* 10. May 2010.

Non-English Language Publication:

1. Wagner, U.J. (2014). Política sobre el cambio climático y sector manufacturero: la experiencia de "Comercio de Carbono". *Revista de Economía Industrial* 393(3): 33-40.

Research Grants:

Spanish Ministry for Economy and Competitiveness, "Ramón y Cajal" grant RYC-2013-12492, "Empirical Analysis of Market-Based Environmental Policies" (Sole PI), 2014-2015.

Fundación Ramón Areces Grant, "The co-benefits of the European Emissions Trading Scheme: An Empirical Analysis" (Sole PI), 2013-15.

Spanish Ministry for Economy and Competitiveness grant ECO2012-31358 "Decisiones individuales y desarrollo económico y social: Aplicaciones empíricas a economía familiar, economía laboral y organización industrial" (PI: Raquel Carrasco Perea), 2013-15.

Grantee under the Data Without Boundaries Project. EU 7th Framework Program, May 2012.

ESRC grant #ES/J006742/1, "A Firm-level evaluation of the European Union Emissions Trading System" (PI: Mirabelle Muûls), 2012-13.

Spanish Ministry for Science and Innovation, "Juan de la Cierva" grant JCI-2009-04392 (Sole PI), 2009-2012.

Spanish Ministry for Science and Education grant #SEJ2007-62908 "Contrastes de Especificación de Modelos Económicos" (PI: Miguel Ángel Delgado González), 2007-12.

ESRC grant #RES-000-22-2711, "The Effects of the Climate Change Levy and Climate Change Agreements on Businesses in the United Kingdom: Evidence from Microdata" (with Ralf Martin), 2007-08.

Fellowships, Honors, and Awards:

Erik Kempe Award in Environmental and Resource Economics, 2015

Vertrauensdozent, German National Academic Foundation, 2013-15

Earth Institute Fellowship, Columbia University, 2006-08

Joseph L. Fisher Dissertation Fellowship, Resources for the Future, 2005-06

John F. Enders Fund Award, Yale University, 2005

Leitner Award in International and Comparative Political Economy, Yale University, 2005

European Recovery Program Fellowship, German Ministry of Economics and Labor 2003-05

Doctoral Fellowship and economics departmental award, Yale University, 2001-06
Godin Guitars Scholarship, Berklee College of Music, Summer 2004
Holsteiner Studienpreis for academic merit (university wide), University of Kiel, 2001
Erich Schneider Awards for highest GPA (2001) and best *Diplom* thesis (2000), University of Kiel
German National Academic Foundation fellowship 1996-2001, 2003-2005
ERASMUS scholarship by the European Union for studies in Paris, 1998

Teaching Experience:

University of Mannheim

Principles of Economics: Microeconomics (BA, German), Fall 2015
Empirical Environmental Economics (MA), Fall 2015, Fall 2016
Markets and the Environment (BA, English), Spring 2016, Spring 2017
Emissions Trading in Theory and Practice (BA, English), Spring 2016, Spring 2017

Universidad Carlos III de Madrid

Industrial Organization (PhD), Fall 2014
Markets and the Environment (BA, English and Spanish), Fall 2010, Fall 2011, Fall 2012, Fall 2014
Industrial Organization (BA, Spanish), Spring 2009, Spring 2010

Yale University (as teaching fellow)

Economics of Natural Resource Management (Masters), Professor Sheila Olmstead, Spring 2005
Economics of Natural Resources (undergraduate/PhD), Professor Robert Mendelsohn, Fall 2003

Thesis Advising:

PhD:

Felix Holub (ongoing), Raphael Krause (ongoing), Alexander Rohlf (ongoing), Anett Erdman (2015, Assistant Professor, Universidad Alberto Hurtado), Joseph Gomes (2013, Postdoc, University of Essex), Zeynep Ozkok (2013, Assistant Professor, St. Francis Xavier University),

External PhD examiner:

Marit Klemetsen (University of Oslo, 2016), Robin Stitzing (Aalto University, 2016)

Masters:

Raoul Peters (2017), Michael Cordes (2016), Felix Holub (2015), Martin Siebler (2015), Ana Ramos (2011)

Undergraduate Thesis:

Nicolas Marchesotti (2012), Adriana da Silva (2013), Luis Tejedor (2013), Laura Heimburger (2016), Sebastian Thome (2016), Johannes Braese (2016), Adrian Santonja (2016), Aron Ringler (2016)

Departmental Service:

University of Mannheim Faculty Coordinator, ENTER network, 2016-
Initiator and coordinator, economics computing cluster at Carlos III, 2009-2015
Coordinator for environmental economics in the economics core curriculum at Carlos III, 2010-15

Professional Service:

Nominating Committee, The Erik Kempe Award 2017
Program Committee, National Tax Association, Baltimore, 2016
Program Committee, European Economic Association, Mannheim, 2015.

Scientific Committee, Annual Conference, FSR Climate, European University Institute, 2015-16
Scientific Committee, Mannheim Energy Conference, Mannheim, 2015-2017
Program Committee, Verein für Socialpolitik, Annual Meeting, 2015-16
Program Committee, Summer Conferences of the Association of Environmental and Resource Economists, 2011-2013, 2015-17

Consultant:

European Commission, EU-Korea ETS Project, 2017
European Bank for Reconstruction and Development, 2016-17
HM Government, Department for Energy and Climate Change, 2012
Organisation for Economic Co-operation and Development, Environment Directorate, 2008-09
The World Bank, Mexico Air Quality Management Team, 2002-03
The World Bank, Latin America and Caribbean Environment Department, Summer 2002

Conference and Workshop Presentations:

Workshop on Environmental Regulation, ETH Zürich, September 2017 (scheduled)
EAERE Annual Conference, Athens, June 2017 (scheduled)
Mannheim Energy Conference, May 11-12, 2017 (scheduled)
ETS Evaluation Workshop, Seoul, April 6, 2017
ENTER Jamboree, University College London, April 3-4, 2017
Research Data Centre Conference on AFiD Microdata (keynote), Berlin, March 29-30, 2017
AGE, German Emissions Trading Working Group, Berlin, February 9, 2017
ASSA meetings, Chicago, January 6-8, 2017
Workshop on Free permit allocation, Robert-Schumann Centre, EUI, Florence, December 2, 2016
IZA Workshop on the Labour Market Effects of Environmental Policies, Bonn, September 1-2, 2016
EAERE Annual Conference, ETH Zürich, June 22-25, 2016
AERE Summer Conference, San Diego, June 9-11, 2016
Münster Energy Conference, University of Münster, April 18-19, 2016
AERE Summer Conference, San Diego, June 3-5, 2015
Second Environmental Protection and Sustainability Forum (keynote), Bath, April 9-11, 2015
ZEW Workshop on Emissions Trading in China and in the EU, Mannheim, December 18-19, 2014
IZA Workshop on the Labour Market Effects of Environmental Policies, Bonn, September 4-5, 2014
NBER Summer Institute Environmental and Energy Economics, Boston, July 21-22, 2014
6th Atlantic Workshop on Energy and Environmental Economics, A Toxa, June 25-26, 2014
AURÖ/German Economic Association, Annual Conference, Oldenburg, May 8-10, 2014
Workshop on Eco Innovation in the European Union, Università di Ferrara, September 24-25, 2013
IZA Workshop on the Labour Market Effects of Environmental Policies, Bonn, September 6-7, 2013
European Economic Association Annual Congress, Gothenburg, August 26-30, 2013
CESifo Summer Institute, Venice, July 22-23, 2013
ASSA meetings, San Diego, January 3-6, 2013
NBER Summer Institute Environmental and Energy Economics, Boston, July 29-30, 2012
5th Atlantic Workshop on Energy and Environmental Economics, A Toxa, June 25-26, 2012
AERE Summer Conference, Seattle, WA, June 9-10, 2011
International Forum on Environmental Sustainability, University of Exeter, April 14, 2011
NBER Summer Institute, Environmental and Energy Economics, July 30, 2010.
SURED 2010 conference, Ascona, June 7-10, 2010.
AERNA fourth conference, Gran Canaria, June 2-5, 2010.
Roundtable on Carbon Pricing and Investment Response, CPI/DIW Berlin, February 5, 2010
ASSA meetings, AERE sessions, Atlanta, January 5, 2010
Workshop on Political Economy and the Environment, UCL/CORE, October 22, 2009
Workshop on Globalization and the Environment, Kiel Institute, September 25, 2009
EAERE Annual Conference, VU Amsterdam, June 24-27, 2009

NBER Summer Institute Energy and Environmental Economics (research sketch), July 21, 2008
North American Summer Meeting of the Econometric Society, Duke University, June 21, 2007
Coalition for Rainforest Nations, Economic Seminar, Columbia GSB, January 15, 2007
NBER Summer Institute Public Policy and the Environment (research sketch), July 28, 2005
NAREA/CAES annual meetings, June 21, 2004
AERNA first conference, June 19, 2004
NBER Summer Institute Public Policy and the Environment (research sketch), July 28, 2003

Invited Seminars (including scheduled):

RWTH Aachen University (2012)
Universidad de Alicante (2008, 2015)
Banco de España (2013)
Universidad Autónoma de Barcelona (2014)
Universität Basel (scheduled)
UC Berkeley (2008)
TU Berlin (2015)
Universität Bern (2014)
Bocconi University (2015)
Universidad Carlos III de Madrid (2008, 2010, 2012)
CEMFI (2004, 2009)
CCHS/CSIC (2010)
Colby College (2008)
Columbia University (2008)
Columbia Earth Institute (2008)
Heinrich-Heine-Universität Düsseldorf (2013)
European University Institute (2015)
FEDEA (2008)
Ruprecht-Karls-Universität Heidelberg (scheduled)
Helsinki Center of Economic Research (2015)
Hunter College, City University of New York (2008)
IESE Business School (2008)
Kiel Institute for the World Economy (2003)
Kiel University (2011)
Maastricht University (2012)
Universität Mannheim (2014, 2016)
Mercator Research Institute on Global Commons and Climate Change (scheduled)
Technical University Munich & IFO (2017)
Westfälische Wilhelms-Universität Münster (2013)
Universidad Pública de Navarra (2014)
New York University Wagner School of Public Service (2008)
OECD Joint Meetings on Tax and the Environment (2009)
Carl-von-Ossietzky-Universität Oldenburg (2015)
Paris School of Economics, Université de Paris I Panthéon-Sorbonne (2010)
Paris Environmental and Energy Economics Seminar & CIRED (2012)
University of Stirling (2013)
Toulouse School of Economics (2009, 2016)
The World Bank (2012)
Yale University (2003, 2005-2007)

Referee Service:

American Economic Review, American Political Science Review, B.E. Journal of Economic Analysis & Policy, British Journal of Political Science, California Management Review, China Economic Review, Ecological Economics, Economic Inquiry, Economic Policy, Empirical Economics, Energy Economics, Environmental and Resource Economics, Environment and Development, The Energy Journal, Energy Efficiency, Energy Policy, European Economic Review, European Journal of Operational Research, Human Development Report, Journal of the Association of Environmental and Resource Economists, Journal of Business and Economics Statistics, Journal of Public Economics, Journal of Public Economic Theory, Journal of Public Policy, Journal of Regulatory Economics, Global Environmental Change, International Economic Review, International Journal of the Economics of Business, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Wine Economics, Nature Energy, Oxford Economic Papers, Resource and Energy Economics, Review of Economic Studies, Review of Environmental Economics and Policy, Review of World Economics, Scandinavian Journal of Economics, Swiss Science Foundation, Utilities Policy, University of Chicago Press

Language Skills:

German (native), English (fluent), French (proficient), Spanish (fluent), Portuguese (basic)

Personal:

Born 1976, German citizen. Married with two children.

April 2017