

Department of Economics  
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## ULRICH J. WAGNER

### Appointments:

UNIVERSITÄT MANNHEIM  
Professor of Economics, Chair in Quantitative Economics 2015-

### Past Appointments:

UNIVERSIDAD CARLOS III, Madrid, Spain.  
Associate Professor of Economics (with tenure) 2014-15  
Assistant Professor of Economics (on leave 2013-14) 2008-14

BANCO DE ESPAÑA, Madrid, Spain.  
Visiting Fellow, Research Department. 2013-14

COLUMBIA UNIVERSITY, New York, USA.  
Postdoctoral Fellow, The Earth Institute. 2006-08

### Editorial Appointments:

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-

### Affiliations:

Research Associate, Center for European Economic Research (ZEW) 2015-  
Research Fellow, DIW German Institute for Economic Research 2015-  
External Research Fellow, Kiel Centre for Globalization 2017-  
Research Affiliate, Kiel Institute for the World Economy (IfW) 2010-  
Research Associate, Centre for Economic Performance, London School of Economics 2007-  
Member, Environmental Economics Committee of the German Economic Association 2014-

### 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. 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.*

## Unpublished papers:

1. Air Quality and Sick Leaves: Evidence from Social Security Data (with Felix Holub and Laura Hospido), *Draft*.
2. The Co-benefits of Carbon Trading: Evidence from the EU Emissions Trading Scheme (with Laure de Preux), *Draft*.
3. Emissions Trading, Firm Behavior, and the Environment: Evidence from French Manufacturing Firms (with Jonathan Colmer, Ralf Martin and Mirabelle Muûls), *Draft*.
4. The Impact of Carbon Trading on Manufacturing: Evidence from German Firms (with Sebastian Petrick and Andreas Gerster). Older draft: *Kiel Working Paper No. 1912*, March 2014.

5. Carbon Markets, Carbon Prices and Innovation: Evidence from Interviews with Managers, (joint with Ralf Martin and Mirabelle Muûls), *Draft*. December 2012.

#### **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:**

German Federal Ministry of Education and Research (BMBF), Economics of Climate Change Research Project “Compliance” (Co-PI), 2018-2021. Budget: € 155k

German Research Foundation (DFG), Collective Research Centre TransRegio 224, Project B7: “Policies for Sustainability” (Co-PI with Lorenz Götte), 2018-2021. Budget: € 350k

German Research Foundation (DFG), Collective Research Centre 884, Project B10: “Empirical Analysis of the Economics of Lobbying in European Policy Reforms” (Sole PI), 2018-2021. Budget: € 340k

Spanish Ministry for Economy and Competitiveness, “Ramón y Cajal” grant RYC-2013-12492, “Empirical Analysis of Market-Based Environmental Policies” (Sole PI), 2014-2019. Budget: € 208k (*declined for 2015-19*)

Fundación Ramón Areces Grant, “The co-benefits of the European Emissions Trading Scheme: An Empirical Analysis” (Sole PI), 2013-15. Budget: € 36k

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. Budget: € 65k

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. Budget: € 122k

European Climate Foundation grant "Climate Change Policies and Management in Europe". (PI: Mirabelle Muûls), 2009-10. Budget: € 95k

Spanish Ministry for Science and Innovation, "Juan de la Cierva" grant JCI-2009-04392 (Sole PI), 2009-2012. Budget: € 100k

Spanish Ministry for Science and Education grant #SEJ2007-62908 "Contrastes de Especificación de Modelos Económicos" (PI: Miguel Ángel Delgado González), 2007-12. Budget: € 240k

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" (PI: Ralf Martin), 2007-08. Budget: € 70k

### **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 Seminar), Fall 2015, Fall 2016, Fall 2017

Markets and the Environment (BA, English), Spring 2016, Spring 2017, Spring 2018

Environmental Economics (MA, English), Spring 2018

Emissions Trading in Theory and Practice (BA Seminar), Spring 2016, Spring 2017

Reading Group in Environmental Economics (PhD Seminar), Spring 2017, AY 2017-2018

#### *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 Advisor:*

Felix Holub (ongoing), Raphael Krause (ongoing), Alexander Rohlf (ongoing),

### *PhD Committee (first placement):*

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:*

Ara Jo (London School of Economics, 2018), Romain Bizet (École des Mines, 2017), Marit Klemetsen (University of Oslo, 2016), Robin Stitzing (Aalto University, 2016)

### *Masters:*

Yangxi Zhuguan (2018), Anna Gaba (2018), Clara Ulmer (2018), Alexander Goncharskiy (2018), Raoul Peters (2017), Michael Cordes (2016), Felix Holub (2015), Martin Siebler (2015), Ana Ramos (2011)

### *Undergraduate Thesis:*

Clara von Bismarck-Osten (2018), Julia Baarck (2018), Tobias Lindemann (2018), Martin Reinhard (2017), Tim Beller (2017), Pia Freidinger (2017), Paul Haas (2017), Sebastian Thome (2016), Johannes Braese (2016), Adrian Santonja (2016), Aron Ringler (2016), Laura Heimbürger (2016), Adriana da Silva (2013), Luis Tejedor (2013), Nicolas Marchesotti (2012)

## **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, 2015-17  
Scientific Committee, Mannheim Energy Conference, Mannheim, 2015-2018  
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

## **Consultancies:**

European Commission, EU-Korea ETS Project, 2017  
European Bank for Reconstruction and Development, 2016-18  
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:

NBER Summer Institute Environmental and Energy Economics, Boston, July 23-24, 2018  
OECD Workshop Joint Environmental and Economic Performance Datasets, Paris, July 10-11, 2018  
6<sup>th</sup> World Congress of Environmental and Resource Economists, Gothenburg, June 25-29, 2018  
TSE Workshop on Environmental Regulation & Industrial Performance, Toulouse, May 17-18, 2018  
Economics of Low Carbon Markets (keynote), Universidade de São Paulo, December 18-19, 2017  
Expert Forum Emissions Trading, Association of German Engineers, Bonn, October 18, 2017  
Workshop on Environmental Regulation, ETH Zürich, September 29, 2017  
Verein für Socialpolitik, Annual Conference, Vienna, September 5, 2017  
EAERE Annual Conference, Athens, June 29-July 1, 2017  
Mannheim Energy Conference, May 11-12, 2017  
Korea Emissions Trading Scheme, 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  
6<sup>th</sup> 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  
5<sup>th</sup> 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 (2017)  
UC Berkeley (2008)  
TU Berlin (2015)  
Universität Bern (2014)  
Bocconi University (2015)  
Universidad Carlos III de Madrid (2008, 2010, 2012)  
CCHS/CSIC (2010)  
CEMFI (2004, 2009)  
CEE-M Center for Environmental Economics, Montpellier (scheduled)  
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 (2017)  
Helsinki Center of Economic Research (2015)  
Hunter College, City University of New York (2008)  
IESE Business School (2008)  
Imperial College Business School (2017)  
IZA Institute of Labor Economics (2018)  
University of Kassel (2018)  
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 (2017)  
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, 2018)  
Paris Environmental and Energy Economics Seminar & CIRED (2012)  
Paris Mines Tech CERNA (2018)  
University of Stirling (2013)  
Toulouse School of Economics (2009, 2016)  
The World Bank (2012)  
Yale University (2003, 2005-2007)  
ETH Zurich (scheduled)

**Referee Service:**

*American Economic Journal: Economic Policy, 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 Journal, Economic Policy, Empirical Economics, Energy Economics, Energy Efficiency, The Energy Journal, Energy Policy, Environmental and Resource Economics, Environment and Development, European Economic Review, European Journal of Operational Research, Global Environmental Change, Human Development Report, International Economic Review, International Journal of the Economics of Business, International Journal of Industrial Organization, 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, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Wine Economics, Nature, 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.

July 2018