

Department of Economics
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CURRICULUM VITAE

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 (chronological order):

Executive Council Member of the German Economic Association 2020-21
Research Affiliate, Mannheim Institute for Sustainable Energy Studies 2019-
Kiel Institute Fellow, Kiel Institute for the World Economy (IfW) 2018-
External Research Fellow, Kiel Centre for Globalization 2017-
Research Fellow, DIW German Institute for Economic Research 2015-
Research Associate, Center for European Economic Research (ZEW) 2015-
Member, Environmental Economics Committee of the German Economic Association 2014-
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. 1998
Vordiplom, Economics, Universität Hamburg, Germany. 1998

Published papers:

1. Narita, D. and U.J. Wagner (2017). Strategic Uncertainty, Indeterminacy, and the Formation of International Environmental Agreements. *Oxford Economic Papers*, 69 (2): 432-452.
2. Wagner, U.J. (2016). Estimating Strategic Models of International Treaty Formation. *Review of Economic Studies*, 83(4): 1741-1778.
3. 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.
4. 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.
5. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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:

12. Do Market-Based Mechanisms Reduce Carbon Emissions? Firm-Level Evidence from the European Union Emissions Trading Scheme (with Jonathan Colmer, Ralf Martin and Mirabelle Muûls), February 2020. *Submitted*.
13. Urban Air Quality and Sick Leaves: Evidence from Social Security Data (with Felix Holub and Laura Hospido), *Draft*.
14. The impact of the EU ETS on productivity and markups in the German manufacturing sector (joint with Beat Hintermann, Corrado Di Maria, Maja Zarkovic), *Draft*.

15. The Impact of Carbon Trading on Co-pollutant Emissions: Evidence from the EU Emissions Trading Scheme (with Laure de Preux and Dana Kassem), *Draft*.
16. The Impact of Carbon Trading on Manufacturing: Evidence from German Firms (with Andreas Gerster, Jakob Lehr and Sebastian Pieper né Petrick). *Draft*.
Supersedes *Kiel Working Paper No. 1912* with the same title of March 2014.

Selected work in progress:

17. The employment impacts of wind power (joint with Claire Gavard).
18. Lobbyism and climate change policy in Europe (with Wolfgang Habla and Dimitri Szerman).
19. Energy use and carbon intensity in European manufacturing: Evidence from microdata (lead author; multiple co-authors with access to administrative firm data in 11 European countries)

Book Chapters:

20. 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.
21. 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:

22. Wie der Einfluss von Lobbyismus auf die Politik in Deutschland und der EU wahrgenommen wird. Auswertung einer repräsentativen Umfrage in Deutschland zu Lobbyismus allgemein und Lobbyismus in der EU-Klimapolitik (with R. Epperson and W. Habla). *ZEW Brief Expertise* No. 19-04, Mannheim, August 2019.
23. 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.
24. The polluter-doesn't-pay principle (with Ralf Martin and Laure de Preux). *CentrePiece*. Spring 2012.
25. 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:

25. 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:

European Research Council (ERC), Consolidator Grant. “HEAL: Health, Labor and the Environment in Post-industrial Europe” (Sole PI), 2020-2025. Budget: €1.4m

German Federal Ministry of Education and Research (BMBF), “TRACE: Evaluating Policy Instruments for the Transformation to a Low Carbon Economy: Causal Evidence from Administrative Micro Data” (PI), 2019-2021. Mannheim Budget: € 270k

German Federal Ministry of Education and Research (BMBF), “COMPLIANCE: The Economics of International Climate Policy Compliance. Monitoring, Reporting, Verification & Enforcement” (PI), 2018-2021. Mannheim Budget: € 155k

German Research Foundation (DFG), Collective Research Centre TransRegio 224, Project B7: “Policies for Sustainability” (PI), 2018-2021. Mannheim 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 (BSc, German)
Empirical Environmental Economics (MSc Seminar)
Markets and the Environment (BSc, English)
Environmental Economics (MSc, English)
Emissions Trading in Theory and Practice (BSc Seminar)
Reading Group in Environmental Economics (PhD Seminar)

Universidad Carlos III de Madrid

Industrial Organization (PhD)
Markets and the Environment (BA, English and Spanish)
Industrial Organization (BA, Spanish)

Yale University (as teaching fellow)

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

Short Courses:

European Association of Environmental and Resource Econ. Summer School, Venice, July 2019

Postdoc Advising:

Harim Kim (2017-), Wolfgang Habla (2018-), Dana Kassem (2018-), Andreas Gerster (2019-),
Dimitri Szerman (2019-), Vincenzo Mollisi (2019-)

Thesis Advising:

PhD Advisor:

Felix Holub (ongoing), Raphael Krause (ongoing), Alexander Rohlf (ongoing), Beate Thies (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:

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

Other:

25 Bachelor's and 12 Master's theses since 2015

Departmental Service:

Faculty Coordinator, European Network for Training in Economic Research (ENTER), 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

Other Professional Service:

Program Chair, *Kerntagung* “Climate Economics”, Verein für Socialpolitik, 2021

Member of Scientific/Program Committee of regular conferences:

European Economic Association, 2015, 2019, 2020

European Association of Environmental and Resource Economics, 2020

Association of Environmental and Resource Economists, 2011-2013, 2015-17

National Tax Association, Baltimore, 2016

Verein für Socialpolitik, Annual Meeting, 2015-16

FSR Climate Conference, European University Institute, 2015-17

Mannheim Energy Conference, 2015-2020

Annual Workshop in Environmental Economics, LSE, 2020

Nominating Committee, The Erik Kempe Award, 2017

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

Keynote and Plenary Talks:

Energy Efficiency and Economic Policy, Universidad de Barcelona, February 4, 2020

FSR Climate Annual Conference, European University Institute, Florence, November 27, 2018

Economics of Low Carbon Markets, Universidade de São Paulo, December 18-19, 2017

Research Data Centre Conference on AFiD Microdata, Berlin, March 29-30, 2017

Second Environmental Protection and Sustainability Forum, Bath, April 9-11, 2015

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

6th World Congress of Environmental and Resource Economists, Gothenburg, June 25-29, 2018

TSE Workshop on Environmental Regulation & Industrial Performance, Toulouse, May 17-18, 2018

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

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

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)
 Universidad de Barcelona (2019)
 Universidad Pompeu Fabra (scheduled)
 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 (2019)
 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)
Christian-Albrechts-Universität zu Kiel (2011)
Maastricht University (2012)
Universität Mannheim (2014, 2016)
Mercator Research Institute on Global Commons and Climate Change (2017)
Technische Universität München & 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)
Sciences Po OFCE Paris (2019)
University of Stirling (2013)
Toulouse School of Economics (2009, 2016)
Waseda University Tokyo (2019)
The World Bank (2012)
Yale University (2003, 2005-2007)
ETH Zürich (2018)

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, Utilities Policy, University of Chicago Press

Grant Reviewer:

German Federal Environmental Foundation, German National Academic Foundation (Studienstiftung), German Science Foundation (DFG), French National Institute for Agricultural Research (INRA), Swiss Science Foundation (SNF)

Language Skills:

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

Personal:

Born 1976, German citizen. Married with two children.

February 2020