

## **Curriculum Vitae – Ralf Martin**

Email: [r.martin@imperial.ac.uk](mailto:r.martin@imperial.ac.uk) Tel: +44(0) 207 594 2615

Personal Web: [www.ralfmartin.me.uk](http://www.ralfmartin.me.uk)

### **Current Positions**

Associate Professor of Economics, Imperial College Business School, London (since 2017)

Program Director Productivity and Growth Program, Centre for Economic Performance, London School of Economics (since 2016)

### **Education**

Ph.D. Economics, London School of Economics. (1999-2005). Supervisor: Steve Nickell

MSc in Econometrics and Mathematical Economics, London School of Economics (1998-1999)

Master's Programme in International Economic Studies & Quantitative Economics at Maastricht University 1996–2000

“Grundstudium” (Basic Studies) in Economics at Humboldt-University Berlin, Germany (1993-1995)

### **Positions held**

Assistant Professor of Economics (with tenure), Imperial College Business School, London (2011-2016)

Senior Research Associate, Centre for Economic Performance, London School of Economics (2011-2016)

Research Fellow at the Centre for Economic Performance (CEP), London School Economics. Established Climate Change as a research area at the CEP (2008 - 2011)

Research Officer, CEP, (2005-2008)

Temporary Lecturer (Introduction to Econometrics) in the Environmental Policy and Economics Master's Program at the Centre for Environmental Policy at Imperial College London (2006-2008)

Research Associate, Department of Environmental Science and Technology, Imperial College London (2004-2005)

Researcher at the Centre for Research into Business Activity (CeRiBA, [www.ceriba.org.uk](http://www.ceriba.org.uk)) based at the Office of National Statistics (ONS). Developed the database structure for the business micro data that is now being offered by the ONS through its Virtual Micro-data Lab (VML) (2001-2005)

## Publications

### Journal articles

Criscuolo, Chiara, Ralf Martin, Henry G. Overman, and John Van Reenen. (2019). "Some Causal Effects of an Industrial Policy." *American Economic Review*, 109 (1): 48-85. DOI: 10.1257/aer.20160034

Genevieve Alberts, Zeynep Gurguc, Pantelis Koutroumpis, Ralf Martin, Mirabelle Muûls, Tamaryn Napp (2016) Competition and norms: A self-defeating combination?, *Energy Policy*, Volume 96, September 2016, Pages 504-523, ISSN 0301-4215, <http://dx.doi.org/10.1016/j.enpol.2016.06.001>

Ralf Martin, Mirabelle Muûls, and Ulrich J. Wagner (2016) The Impact of the European Union Emissions Trading Scheme on Regulated Firms: What Is the Evidence after Ten Years? *Review of Environmental Economics and Policy* 10 (1): 129-148 doi:10.1093/reep/rev016

Philippe Aghion & Antoine Dechezleprêtre & David Hémous & Ralf Martin & John Van Reenen, (2016). "Carbon Taxes, Path Dependency, and Directed Technical Change: Evidence from the Auto Industry," *Journal of Political Economy*, University of Chicago Press, vol. 124(1)

Martin, R., de Preux, L. B., & Wagner, U. J. (2014). The impacts of the climate change levy on manufacturing: Evidence from microdata. *Journal of Public Economics*. Volume 117, September 2014, Pages 1–14. URL: <http://tiny.cc/ag02yx>

Martin, R., Muuls, M., de Preux, L., & Wagner, U. (2014). On the Empirical Content of Carbon Leakage Criteria in the EU Emissions Trading Scheme. *Ecological Economics*. Volume 105. September 2014, Pages 78-88. URL: <http://tiny.cc/sh02yx>

Martin, R., Muuls, M., de Preux, L., & Wagner, U. (2014). Industry compensation under relocation risk: A firm-level analysis of the EU emissions trading scheme. *American Economic Review*, 104(8): 2482-2508. URL: <http://tiny.cc/53y2yx>

Ralf Martin, Mirabelle Muuls, Laure de Preux and Ulrich Wagner (2012), Anatomy of a Paradox: Management Practices, Organizational Structure and Energy Efficiency, *Journal of Environmental Economics and Management*, Volume 63, Issue 2, March 2012, Pages 208–223

Nick Bloom, Christos Genakos, Ralf Martin and Raffaella Sadun (2010), Modern management: Good for the environment or just hot air? *Economic Journal*, Royal Economic Society, vol. 120(544), pages 551-572, 05. <https://doi.org/10.1111/j.1468-0297.2010.02351.x>

Chiara Criscuolo and Ralf Martin (2009), Multinationals and US Productivity Leadership, *Review of Economics and Statistics*, May 2009, 91(2): 263–281.

Chiara Criscuolo, Jonathan Haskel and Ralf Martin (2004), Import Competition, Productivity, and Restructuring in UK Manufacturing, *Oxford Review of Economic Policy*, Volume 20, Issue 3, Autumn 2004, pages 393-408. <https://doi.org/10.1093/oxrep/grh023>

### Recent research papers

Aghion, P., Bénabou, R., Martin, R., & Roulet, A. (2020). Environmental Preferences and Technology Choices: Is Market Competition Clean or Dirty? *NBER Working Paper*.

Greer Gosnell, Ralf Martin, Mirabelle Muûls, Quentin Coutellier, Goran Strbac, Mingyang Sun, Simon Tindermans (2019), Making Smart Meters Smarter, *CEP Discussion Paper 1602*, <http://cep.lse.ac.uk/pubs/download/dp1602.pdf>

Antoine Dechezleprêtre, Elias Einiö, Ralf Martin, Kieu-Trang Nguyen (LSE and CEP), John Van Reenen (2015), Do tax incentives for research increase firm innovation? An RD Design for R&D, *CEP Discussion Paper*

Jonathan Colmer, Ralf Martin, Mirabelle Muuls, Ulrich Wagner (2014). The causal effect of the European Emissions Trading System. *Mimeo Imperial College*

Ralf Martin, Mirabelle Muuls, Tamaryn Napp, Iain Staffel (2014). A stochastic power plant. *Mimeo Imperial College*. <http://tiny.cc/m5e2qx>

Antoine Dechezleprêtre, Ralf Martin, Myra Mohnen (2014). Knowledge Spillovers from Clean and Dirty Technologies. *CEP Discussion Paper 1300*. <http://cep.lse.ac.uk/pubs/download/dp1300.pdf>

Antoine Dechezleprêtre, Caterina Gennaioli, Ralf Martin, and Mirabelle Muûls (2014). Searching for carbon leaks in multinational companies. Grantham Institute *LSE Working Paper No 187*. <http://tiny.cc/daf2qx>. R&R Journal of Environmental Economics and Management.

Ralf Martin (2010) Productivity Spreads, Market Power Spreads and Trade, *CEP Discussion Paper 965*, <http://cep.lse.ac.uk/pubs/download/dp0965.pdf>.

Ralf Martin (2010) Why is the US so Energy Intensive? Evidence from US Multinationals in the UK, *CEP Discussion Paper 965*, <http://cep.lse.ac.uk/pubs/download/dp0965.pdf>.

#### *Recent other publications*

James Rydge, Ralf Martin and Anna Valero (2019) *Sustainable Growth in the UK: Seizing opportunities from technological change and the transition to a low-carbon economy*. CEP Industrial Strategy Paper CEPIS07.

Ralf Martin, Mirabelle Muuls and Ulrich Wagner (2015). Trading Behaviour in the EU ETS. in Marc Gronwald and Beat Hinterman eds. *Emissions Trading as a Policy Instrument*. MIT Press

Ralf Martin, Mirabelle Muuls and Ulrich Wagner (2012). "An evidence review of the EU emissions trading system", *UK Department for Energy and Climate Change (DECC)*. [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/48449/5725-an-evidence-review-of-the-eu-emissions-trading-sys.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/48449/5725-an-evidence-review-of-the-eu-emissions-trading-sys.pdf)

Caterina Gennaioli, Ralf Martin, Mirabelle Muuls (2013). "Using Micro Data to Examine Causal Effects of Climate Policy". *Handbook on Energy and Climate Change*. Edited by Roger Fouquet. Edward Elgar.

#### **Recent Talks**

**2020:** Naples, BEIS

**2019:** Milan, Cambridge, LSE, EBRD, Imperial, OECD, BEIS

**2018:** ZEW, Birkbeck College London; European Bank for Reconstruction and Development (EBRD), Mines Paris Tech; Milan; Montpellier.

**2017:** Merit Research Institute, Maastricht; University of Cambridge; *German Federal Environment Agency*

**2016:** University of Maryland Environmental and Resource Economics Seminar; Toulouse School of Economics; Graduate Institute Geneva; Mercator Research Institute on Global Commons and Climate Change, Berlin; University of Cambridge, Energy Policy Research Group Seminar; University of Mannheim IO Seminar; Association of Environmental and Resource Economists Annual Conference; American Economics Association Annual Conference, San Francisco

**2015:** COEURE Workshop on R&D, Innovation and Growth, Université Libre de Bruxelles; London School of Economics, University of Pompeu Fabra, Barcelona; University of Manchester Economics Department Seminar; University of Oxford Economics Department OxCarre Seminar; European Bank for Reconstruction and Development (EBRD) Economics Seminar; NBER Productivity Meeting; American Economics Association Annual Conference, Boston

**2014:** London School of Economics, International Economics Workshop; Harvard Business School, Economics of Science and Engineering Workshop; ZEW Mannheim; German Institute of Economic Research (DIW), Economics Seminar; IZA Workshop: Labor Market Effects of Environmental Policies

**2013:** Imperial College Business School, Organisation and Management Group Seminar; UN Climate Conference, COP 19, EU Side Event, Warsaw; University of Sussex Economics Seminar; University of Bristol Economics Seminar; CESifo Summer Institute; American Economics Association Annual Conference, San Diego; American Environmental and Resource Economics Association Meeting, Banff

### **Funding record**

EU Horizon 2020 “Framework methodology for SME innovation policy support within R&D tax credits and incentives schemes in the EU” (2018-2020). Joint with GrantCentral (€1 million)

UK Technology Strategy Board, Energy Catalyst “Highly personalised energy advice” (2015-2017). Joint with ONZO Data Analytics (£250K)

Google research award to develop “Clean” innovation indicators using Google search data (\$66,000), 2012-2013

Member of the ENTRACTE Consortium funded by the European Union FP7 (2012-2015). <http://entracte-project.eu/> (€3.7 million)

Member of the Social IMPact Policy Analysis of Technological Innovation Challenges Consortium (SIMPATIC, 2012-2015), European Union’s FP7 (€2.7 million). [http://ec.europa.eu/research/social-sciences/projects/485\\_en.html](http://ec.europa.eu/research/social-sciences/projects/485_en.html)

Associate of the Centre for Climate Change Economics and Policy (2008-2013), Economic and Social Research Council (£5.5 million).

European Climate Change Foundation (ECF) (2009) "The EU ETS - A firm level assessment" (£85K)

Anglo German Foundation Grant "Creating Sustainable Growth in Europe" (2006-2009)

ESRC small grant "The Effects of the Climate Change Levy and Climate Change Agreements on Businesses in the United Kingdom: Evidence from Microdata" (2007-2008) (£55K)

Department for Trade and Industry (now BIS) £120.000 for econometric evaluation of selected business support schemes

### **Scholarships**

British Academy Postdoctoral Research Fellow (2008-2011)

ESRC Postdoctoral Research Fellow (2005-2006)

### **Prizes**

Winner (joint with Mirabelle Muuls Laure de Preux and Ulrich Wagner) of the 2015 Erik Kempe Award (Best paper in Environmental and Resource Economics in 2013/14) for "Industry compensation under relocation risk: A firm-level analysis of the EU emissions trading scheme." <http://www.eaere.org/content/erik-kempe-award>

Winner of the Imperial College Business School Award for Sustainable Business Thinking, 2014.