

Dr Mirabelle Muûls

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QUALIFICATIONS:

- 2001 – 2007 London School of Economics - *PhD in Economics*
Thesis: “The Interaction between Firms and Governments in Climate Change and International Trade”
Supervisors: Professor Tony Venables and Dr Stephen Redding
- 2000 – 2001 London School of Economics - *Master of Science in Politics of the World Economy*
- 1999 – 2000 Université Catholique de Louvain, Belgium - *Master of Arts in Economics*
One year Master Degree. Best student of promotion.

EMPLOYMENT:

- 2015 – present Grantham Institute and Business School, Imperial College London
Lecturer/Assistant Professor
- *World leading research on the impact of the EU Emissions Trading System*
 - *Analysis of the impact of extreme weather events on economic activity*
 - *Policy outreach*
- 2014 – present Centre for Economic Performance, London School of Economics
Research Associate
- *Project on the links between “dirty imports” and innovation*
 - *Member of the Globalization group, studying trade economics questions*
- 2014 – 2015 Business School, Imperial College London
Junior Research Fellow
- 2011 – 2014 Grantham Institute for Climate Change and Business School, Imperial College London
Leverhulme Early Career Research Fellow
- 2008 – 2011 Grantham Institute for Climate Change, Imperial College London
Research Associate

RESEARCH EXPERTISE:

Grants

- EPSRC Petras IoT Hub, £1.6m – March 2016 – March 2019, Co-I
- Innovate UK, £747,000, May 2015 – May 2017, Co-I
- British Academy Small Research Grant, £6,844, October 2012 – 2013, Co-I
- Framework Program 7, ENTR’ACTE, £2,096,000, September 2012 – 2015, Co-I
- ESRC Small Grant, £79,850, June 2012 – December 2014, PI
- Framework Program 7, SIMPATIC, £1,928,000, February 2012 – 2015, Co-I
- European Climate Foundation, £71,428, August 2009 – February 2010, PI

Prizes

Erik Kempe Award in Environmental and Resource Economics, to the best paper in the field of environmental and resource economics, published in a refereed journal, joint with Dr Martin, Dr de Preux and Dr Wagner, 2015

Robert Mundell Prize by the Canadian Economics Association for the best paper by young economists published in the Canadian Journal of Economics in the previous calendar year, joint with Dr Petropoulou, 2014

Consultancies

- Department for Energy and Climate Change (DECC), "CRC Energy Efficiency scheme evaluation", 2014
- UK Trade and Investment, "Evaluation of the impact of UKTI services on trade in goods", 2014
- DECC, "An Evidence Review Of The EU Emissions Trading System, Focussing On Effectiveness Of The System In Driving Industrial Abatement", Spring 2012

Conferences and presentations

- Trade workshop, Centre for Economic Performance, LSE, February 2016
- Economics of Innovation, Diffusion, Growth and the Environment, LSE, September 2015
- Our Common Future Under Climate Change, Paris-UNESCO, July 2015;
- Association of Environmental and Resource Economists, San Diego, June 2015;
- Rencontres de l'Environnement, CORE- Université Catholique de Louvain, May 2015;
- Centre for Economic Performance, LSE, May 2015;
- World Congress of Environmental and Resource Economists, Istanbul, June 2014;
- Annual Climate Policy Research Conference, European University Institute (EUI), Florence, October 2013;
- NBER Summer Institute, July 2012;
- EnvEcon Conference, London, March 2012;
- European Association of Environmental and Resource Economists Conference, Rome, June 2011
- Comparative Analysis of Enterprise (micro) Data (CAED) Conference, London, October 2010
- Centre for Economic Performance (LSE) Annual Conference, Brighton, May 2009
- Merton Seminar in International Trade, University of Oxford, January 2009
- NCCR Climate – The International Dimensions of Climate Policies, Bern, January 2009
- Empirical Investigations in International Trade, University of Colorado at Boulder, October 2008

Current Collaborations

- Dr Ulrich Wagner: Universidad Carlos III, Madrid
- Jonathan Colmer (PhD student), Dr Antoine Dechezlepretre, Dr Damien Dussaux and Dr Caterina Gennaioli: London School of Economics
- Pr Giordano Mion: University of Sussex and Centre for Economic Performance, LSE
- Pr Thierry Brechet: Université Catholique de Louvain
- Dr Valerie Karplus: MIT Sloan School of Management, USA
- Dr Soo Keong Yong: Xi'an Jiaotong University, China
- Dr Cao Jing: Tsinghua University, China
- Imperial College London: Pr Dan Crisan, Dr Zeynep Gurguc, Dr Pantelis Koutroumpis, Dr Ralf Martin, Dr Tamaryn Napp, Dr Laure de Preux, Pr Goran Strbac

Professional Bodies

Member of the European Economic Association, the American Economic Association, the Royal Economic Society and the European Association of Environmental and Resource Economists.

Referee

Economica, Economic Journal, Environmental and Resource Economics, Journal of Economic Geography, Journal of Environmental Economics and Management, Journal of International Economics, Journal of International Trade and Economic Development, Natural Resources Forum, Recherches Economiques de Louvain, Scandinavian Journal of Economics

Outreach

Presentations to or meetings with the European Commission - DG Clima (July 2014), the Chinese Embassy First Counsellor (June 2014), UK Trade and Investment (September 2013), FCO China, Delegation from Shanghai (March 2013), Sainsbury's (July and September 2012), Department for Climate Change (December 2010, February 2011 and June 2012), Rio Tinto (September 2011), European Parliament, Environment Committee (October 6, 2010), European Commission - DG Clima (June 2010)

Training

- PG Cert in University Teaching and Learning (2015-2016)
- Media Training (November 2015 and March 2016)
- Junior Research Fellowship development days (September 2013 and March 2014)
- ESRC funded Media training day (June 2012)
- Writing Up Your Research for Publication (January 2010)

TEACHING

Prize

London School of Economics, Economics Department teaching prize in 2003 for the best teaching evaluation scores.

Undergraduate

- 2015: Business Economics – Imperial College Business School
- 2006-2008: Tutor to undergraduate students, Economics department - London School of Economics
- 2001-2011: University of London external program. External examiner. "Introduction to Economics"
- 2001-2006: Department of Economics, London School of Economics, Class Teacher in Microeconomics II (EC202) and in International Economics (EC315)
- 1999-2000: Facultes Universitaires St Louis, Brussels-Belgium. Class teacher in Political Economy.

Postgraduate

- 2016: MBA Elective “Climate Change, Business and Finance”
- 2013 and 2014: Guest lecturer, Energy Business, Imperial College Business School: “Economics of Climate Change”
- July 2012: Guest lecturer, Climate KIC – The Journey summer school
- 2011: Guest lecturer, Climate Change Economics. MSc in Environmental Technology (Centre for Environmental Policy), Imperial College London
- 2011: Guest lecturer, Climate Change Economics. Sustainable Development course of the Department of Civil and Environmental Engineering's MSc, Imperial College London.
- 2006 – 2008 Economics Department, London School of Economics
Class teacher to postgraduate students - International Economics (EC421) and Microeconomics (EC201)

Supervision

- Joint supervision of three MRes students of the Business School
- Since 2014: Joint supervision of MRes/PhD student from Mathematics of Planet Earth CDT
- 2015: Joint supervision of a student from the MSc in Sustainable Energy Futures
- Since 2012: Advisor, PhD student from London School of Economics, Centre for Economic performance. “The Economic Consequences of Environmental Change: Essays in Labour, Trade, and Development”
- 2013: Joint supervision of a student from MSc student from the MSc in sustainable Energy Futures, Imperial College. "Determining effective incentives to change individual energy consumption patterns: A field experiment in residential London"
- Summers of 2011, 2013 and 2014: Supervision of MSc students from Paris ENSTA- Paris Tech
- 2009: Joint supervision of a student from the MSc in Sustainable Energy Futures, Imperial College: The student obtained a distinction for his thesis entitled "Barriers to small wind in the UK".

ADMINISTRATION

- Since 2015, Programme Director, MSc Climate Change, Management and Finance
- April 2016: Co-chair, Imperial College Business School Annual Conference in collaboration with the Grantham Institute, “Mobilising business, acting on climate”
- Management of two research assistants during the past four years.
- 2011/2012: Organisation of a joint LSE-Imperial Grantham seminar in climate change economics bimonthly.
- Summer of 2009, hired and managed 15 MSc students, and their supervisor for interviews/data collection
- Grants management and costing

PUBLICATIONS

A) Refereed Full Papers

1. “Competition and Norms: A Self-Defeating Combination?” (with Alberts, G., Gurguc, Z., Koutroumpis, P., Martin, R. and Napp, T.), *Energy policy*, forthcoming
2. “[The Impact of the EU ETS on Regulated Firms: What is the Evidence After Eight Years?](#)” (with Martin R, and U.J. Wagner), *Review of Environmental Economics and Policy*, 2016, Vol. 10-1 pp.129-148
3. “[Exporters, Importers and Credit Constraints](#)”, *Journal of International Economics*, 2015, Vol. 95-2 pp.333-343.
4. “[Industry Compensation Under Relocation Risk: A Firm-Level Analysis of the EU Emissions Trading Scheme](#)” (with Martin, R., de Preux, L. B., and U. J. Wagner), *American Economic Review*, 2014, Vol. 104-8 pp. 2482-2508.
featured in Science, Vol. 344, 11th April 2014, page 129 (Editor’s choice)
5. “[On the Empirical Content of Carbon Leakage Criteria in the EU Emissions Trading Scheme](#)” (with Martin, R., de Preux, L. B., and U. J. Wagner), *Ecological Economics*, 2014, Vol. 105 pp. 78–88.
6. “[A Swing-State Theory of Trade Protection in the Electoral College](#)” (with D. Petropoulou), *Canadian Journal of Economics*, 2013, Vol. 46 pp. 705-724.
7. “[Anatomy of a Paradox: Management Practices, Organizational Structure and Energy Efficiency](#)” (with Martin, R., de Preux, L. B., and U. J. Wagner), *Journal of Environmental Economics and Management*, 2012, Vol. 63-2 pp. 208–223.
8. “Imports and Exports at the Level of the Firm: Evidence from Belgium” (with M. Pisu), *World Economy*, 2009, Vol 32-5, pp. 692-734
9. “Priority Research Areas for Ecosystem Services in a Changing World” (with Nicholson, E., Mace, G., Milner-Gulland, E.J. et al.), *Journal of Applied Ecology*, 2009, Vol.46, pp.1139-1144
10. “Understanding Cross-Country Differences in Exporter Premia: Comparable Evidence for 14 Countries”, The International Study Group on Exports and Productivity, *Review of World Economics*, 2008, Vol. 144 – 4, pp.596-635

C) Refereed Conference Abstract

11. “Weather Shocks in a Globalized World: A Firm-level Analysis”, (with Colmer, J., Martin, R. and U.J. Wagner), *World Congress of Environmental and Resource Economists, Istanbul, June 2014*
12. “The Causal Effects of the European Union Emissions Trading Scheme: Evidence from French Manufacturing Plants”, (with Wagner, U.J., Martin, R. and J. Colmer), *World Congress of Environmental and Resource Economists, Istanbul, June 2014*
13. “Measurement of Paradox in the EUETS”, (with R. Martin), *The Energy Efficiency Gap: Reasons and Implications, ZEW - Mannheim, March 2014*
14. “The Effect of Investment on Bargaining Positions. Over-Investment in the Case of International Agreements on Climate Change”, *NCCR Climate – The International Dimensions of Climate Policies, Bern, January 2009*

D) Books and/or book chapters

15. “Trading Behavior on the EU ETS”, (with Martin, R. and U.J. Wagner), in [Emissions Trading Systems as a Climate Policy Instrument: Evaluation & Prospects](#), Gronwald, M. and Hinterman, B., MIT Press, 2015

16. “Using Micro Data to Examine Causal Effects of Climate Policy”, (with Gennaioli, C. and R. Martin), in the [*Handbook of Energy and Climate Change*](#), Fouquet, R., Edward Elgar, 2013

E) Other

17. “Unraveling Firms: Demand, Productivity and Markups Heterogeneity” (with Forlani, E., Martin, R. and G. Mion), CEPR Discussion Paper No. DP11058, January 2016

18. “Searching for carbon leaks in multinational companies” (with Dechezlepretre, A., Gennaioli, C., Martin, R. and Stoerk, T.), GRI Working Papers 165, Grantham Research Institute on Climate Change and the Environment, 2015

19. “CRC Energy Efficiency Scheme Evaluation - Stage 2 Econometric Report” (with Martin, R.), UK Department of Energy and Climate Change report, July 2015

20. “A Stochastic Power Plant” (with Martin, R., Napp, T. and I. Staffel), mimeo, 2014

21. “Prospects for Paris 2015: Do Major Emitters Want the Same Climate?” (with Buckle, S., Leib, J. and T. Bréchet), *CORE discussion paper 2014/8*, February 2014

22. “A Taxonomy of Countries' Climate Change Mitigation Strategies” (with Whitmee, S.C., Orme, D.L., Buckle, S. and Gambhir,A.), mimeo, 2013

23. "Determinants of Retail Stores' Energy Efficiency" (with R. Martin), mimeo, 2013

24. “An evidence review of the EU Emissions Trading System, Focusing on Effectiveness of the System in Driving Industrial Abatement” (with Martin, R. and U.J Wagner), UK Department of Energy and Climate Change report, July 2012

25. "The sensitivity of UK manufacturing firms to extreme weather events" (with Martin, R. and Ward, A.), Climate Change Committee Adaptation Sub-Committee report supporting research, 2011

26. “Still Time to Reclaim the European Union Emissions Trading System for the European Tax Payer “, CEP and Grantham Institute for Climate Change Policy Brief, April 2010 – Cited in New York Times, 10/11/2010

27. “Do Swing States Influence US Trade Policy?” (with D. Petropoulou), *CentrePiece*, 13 (2), 2008

28. “The Interaction between Firms and Governments in Climate Change and International Trade”, PhD Dissertation, London School of Economics, University of London, London, 2007

29. “The Happy Few: the Internationalisation of European Firms. New Facts Based on Firm-level Evidence” Contributed to report by MAYER, T. and G. OTTAVIANO (*European Firms and International Markets*), Bruegel and CEPR, September 2007