

Dr. Daire McCoy

Research Officer, Grantham Research Institute on Climate Change and the Environment, London School of Economics and Political Science

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Education

2012- 2016 **Trinity College Dublin**

Ph.D. Economics

Dissertation title “Smart networks and the behaviour of households and firms”

Supervisors: Dr. Seán Lyons (ESRI) and Prof. Eleanor Denny (TCD)

2009-2010 **University College Dublin**

M.A. Economics

Field courses included Advanced Macro, Advanced Micro, Energy Economics and Development Economics

2000-2005 **University College Dublin**

B.Sc. Statistics

Actuarial Maths and Statistics

Research Interests

Applied Micro Economics, Energy Economics, Consumer Behaviour, Innovation Diffusion, Spatial Economics, Taxation, Firm Location Modelling, Agent-Based Modelling and Simulation, Social Networks

Funding, Scholarship and Grants

ESRI Post-Doctoral Fellowship, Science Foundation Ireland, MAREI Cluster, 2015-2017

Ph.D. Fellowship, Science Foundation Ireland, 2012-2016

Teaching Assistantship, Trinity College Dublin, 2012-2015

Academic Employment

2016-	Grantham Research Institute, London School of Economics and Political Science: Research Officer
2015-2016	Economic and Social Research Institute: Post-Doctoral Research Fellow
2012-2015	Trinity College Dublin: Teaching Assistant, Introduction to Economic Policy (Prof. Eleanor Denny, Prof. Michael Wycherley, Prof. Ronan Lyons, Mrs Majella Brereton)
2014	Economic and Social Research Institute: Research Assistant (Apr-Jun)
2009-2010	University College Dublin: Teaching Assistant <ul style="list-style-type: none">• Introduction to Quantitative Economics (Dr. Ciara Whelan),• Intermediate Quantitative Economics (Mr. Joseph Durkan)• Intermediate Statistics (Prof. Morgan Kelly)

Other Affiliations

2012-2015	Economic and Social Research Institute: PhD Scholar
2012-2015	Electricity Research Centre, School of Engineering, University College Dublin: Affiliate PhD Researcher

Non-Academic Employment

2010-2011	First Mile Ltd, London: Head of Finance
2010	First Mile Ltd, London: Project Manager (Oct-Dec)
2007-2009	Accenture: Client Financial Management Analyst
2004	Allianz: Actuarial Student

Journal Publications

Unintended Consequences of Electricity Smart-Metering: Trading-off Consumption and Investment Behaviour (with Seán Lyons), *Energy Efficiency*, (2016): 1-20.

Consumer Preferences and the Influence of Networks in Electric Vehicle Diffusion: An Agent-based Microsimulation in Ireland (with Seán Lyons), *Energy Research & Social Science*, Vol. 3, September 2014, pp.89-101

Policy Papers

Scoping the Possible Economic Implications of Brexit on Ireland (with Alan Barrett , Adele Bergin , John FitzGerald , Derek Lambert, Edgar Morgenroth , Iulia Siedschlag , Zuzanna Studnicka), ESRI Research Series 48, 2015

The Importance of Corporation Tax Policy in the Location Choices of Multinational Firms (with Martina Lawless, Edgar Morgenroth and Conor O'Toole), Department of Finance, Oct 2014

Irish Energy Policy: An Analysis of Current Issues, Eds John Fitzgerald and Laura Malaguzzi Valeri (minor contributor), ESRI Research Series 37, 2014

Papers in Review

Corporate Tax and Location Choice for Multinational Firms (with Martina Lawless, Edgar Morgenroth and Conor O'Toole) – submitted to Applied Economics.

The Effect of Energy Efficiency Upgrades on Social Housing Tenants (with Bryan Coyne and Seán Lyons) – submitted to Energy Research and Social Science.

The Spatial and Temporal Determinates of Gas Central Heating Adoption (with John Curtis) – submitted to Energy and Resource Economics.

The Effect of Broadband and Other Infrastructure of Firm location Choices (with Seán Lyons, Edgar Morgenroth, Dónal Palcic and Leonie Allen) – Revise and Resubmit - The Journal of Regional Science.

Working Papers

The impact of Local Infrastructure on New Business Establishments (with Seán Lyons, Edgar Morgenroth, Dónal Palcic and Leonie Allen). MPRA Paper 69074, University Library of Munich, Germany, 2016

The Effects of Home Energy Efficiency Upgrades on Social Housing Tenants: Evidence from Ireland (with Bryan Coyne and Seán Lyons). ESRI WP544. 2016.

The Timing and other Determinants of Gas Central Heating Adoption (with John Curtis). ESRI WP539. 2016.

Work in Progress

Policies to Finance Energy Efficiency: An Applied Welfare Assessment (with Antoine Dechezlepretre and Francois Cohen). EIB funded project examining energy efficiency policy in the residential sector.

Giving Real-time Information Frequently to Induce habit Formation In The Home (with Antoine Dechezlepretre and Greer Gosnell). RCT examining habit formation and behavioural persistence in energy consumption

Determinants of Home-heating Choice (with John Curtis and Claudia Aravena Novieilli): Survey and choice experiment aiming to disentangle the reasons why households make sub-optimal home-heating system choices.

The impact of Broadband and Other Networks on Economic Activity (with Seán Lyons, Edgar Morgenroth, Dónal Palcic): Spatial econometric analysis of infrastructure roll-out and economic activity.

Professional Activities

Referee: Energy Research & Social Science; Energy Efficiency

Presentations, Seminars and Conferences

- 2017 European Investment Bank
- 2016 ESRI-UCC Energy Workshop; Glen Dimplex (private company); Department of Communications, Energy and Natural Resources; enet (private company); Irish Economic Association Annual Conference, NUIG
- 2015 ESRI Lunchtime Seminar Series, Irish Economic Association Annual Conference, Dublin; Regional Studies Association, Irish Branch Annual Conference - New Directions for Regional Development Policy in Ireland, UCC; Department of Jobs Enterprise and Innovation
- 2014 Mannheim Energy Conference (ZEW); ESRI-UCC Energy Workshop; Eirgrid (private company); ESB (private company); TCD Micro-Working Group
- 2013 Irish Society of New Economists (ISNE) Maynooth, Young Energy Economists and Engineers Seminar (YEEES) Stockholm, ESRI Lunchtime Seminar Series, TCD Micro-Working Group
- 2012 TCD Micro-Working Group

Technical Skills

Advanced: Stata, Latex, MS Office

Intermediate: Matlab, VBA, ArcGIS, QGIS, Netlogo

Beginners: AIMS, SPSS, NLOGIT, MS Access, SQL, Python

References

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