

Roger Fouquet
Curriculum Vitae
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DATE OF BIRTH: 6 August 1969
CITIZENSHIP: Dual Nationality UK/USA

CURRENT POSITION:

Principal Research Fellow
Grantham Research Institute on Climate Change and the Environment, London School of Economics and Political Science, London, United Kingdom

PAST POSITIONS:

2009-2013: Ikerbasque Research Professor, Basque Centre for Climate Change (BC3), Bilbao, Spain
2005-2008: Senior Lecturer, School of Economics, Faculty of Business and Economics, University of the South Pacific, Suva, Fiji
2003-2005: Research Fellow/Lecturer, Department of Environmental Science & Technology, Imperial College London, London, UK
1995-2003: Research Associate, Department of Environmental Science & Technology, Imperial College London, London, UK
1993-1996: Research Fellow, Surrey Energy Economics Centre, (S.E.E.C.), Department of Economics, University of Surrey, Guildford, UK
1992: Research Assistant, Roben Institute of Health and Safety, University of Surrey, Guildford, UK

EDUCATION:

1997: PhD Economics, University of Surrey, UK
1991: MSc Energy Economics, University of Surrey, UK
1990: BA Economics with Mathematics, University of Sussex, UK

AWARDS:

2010: Choice Magazine Outstanding Academic Title in 2009 for *Heat, Power and Light*
2006: IAEE Campbell Watkins Award for Best Paper in *The Energy Journal* 2006
1996: BIEE/Financial Times Andrew Holmes Memorial Award

SECONDMENTS:

2001: Strategy Team, The Carbon Trust, London, UK
1994: Environment and Industry Branch, Department of Trade and Industry (DTI), London, UK

VISITING APPOINTMENTS:

2012-: Visiting Senior Fellow, Grantham Research Institute on Climate Change, London School of Economics, UK
2012-: Visiting Professor, Barcelona Graduate School of Economics, Barcelona, Spain
2005-: Honorary Research Fellow, Centre for Environmental Policy, Imperial College London.
1996-2005: Visiting Research Fellow, Surrey Energy Economics Centre, (S.E.E.C.), Department of Economics, University of Surrey, Guildford, UK
2005: Visiting Professeur, Institut Algerien de Petrol (IAP), Boumerdes, Algeria
2003: Visiting Professor, Thammasat University, Bangkok, Thailand
1998-2003: Visiting Research Fellow, Insititute for Advanced Studies Carinthia, Klagenfurt, Austria
1998-: Visiting Professeur, Centre Economie et Gestion, Institut Français de Pétrole (IFP), Rueil-Malmaison, France

ADDITIONAL DUTIES:

2014-: Associate Editor, New Palgrave Dictionary of Economics
2010-: Lead Analyst, Global Energy Assessment
1998-: Editor, Energy Economics, New Economics Papers <http://repec.org/>

LECTURING RESPONSIBILITIES

Microeconomics (EC102) – First Year (On-Campus) at USP
Environmental and Natural Resource Economics (EC307) – Final Year (On-Campus) at USP
Environmental and Natural Resource Economics (EC307) – Distance and Flexible Learning at USP
Environmental and Natural Resource Economics (EC417) – Masters Course at USP
Microeconomics (7 Lectures – 3 hours each) at IFP
Introduction to Econometrics (7 Lectures – 2 hours each) at Imperial College London
Energy Economics and Policy (6 Lectures – 2 hours each) at Imperial College London
Natural Resource and Environmental Economics (13 Lectures – 3 hours each) at University of Surrey
Economics of Energy and Climate Change at Barcelona Graduate School of Economics

PUBLICATIONS

BOOKS AND EDITED SPECIAL ISSUES:

Fouquet, R. (2013) *Handbook on Energy and Climate Change*. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.
Fouquet, R. and P. J.G. Pearson (2012) Past and Prospective Energy Transitions: Insights from History. *Energy Policy* 50.
Fouquet, R. (2008) *Heat, Power and Light: Revolutions in Energy Services*. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.
Fouquet, R. (2006) EC307: Environmental and Natural Resource Economics. Course Book. University of the South Pacific. Suva, Fiji.

ARTICLES:

Fouquet, R. (2014) ‘Long run demand for energy services: income and price elasticities over 200 years.’ *Review of Environmental Economics and Policy* 8(2) 186-207.
Fouquet, R. and P.J.G. Pearson (2012) ‘The long run demand for lighting: elasticities and rebound effects in different phases of economic development.’ *Economics of Energy and Environmental Policy* 1(1) 83-100.
Fouquet, R. (2012) ‘Trends in income and price elasticities of transport demand (1850-2010).’ *Energy Policy* 50: 50-61.
Fouquet, R. (2012) ‘The demand for environmental quality in driving transitions to low-polluting energy sources.’ *Energy Policy* 50: 130-41.
Fouquet, R. and P.J.G. Pearson (2012) ‘Past and Prospective Energy Transitions: Insights from History.’ Editorial for *Energy Policy* (Special Issue on Past and Prospective Energy Transitions) 50: 1-7.
Fouquet, R. (2011) ‘Divergences in long run trends in the prices of energy and energy services.’ *Review of Environmental Economics and Policy* 5(2) 196-218.
Fouquet, R. (2011) ‘Long run trends in energy-related external costs.’ *Ecological Economics* 70(12) 2380-9.
Fouquet, R. (2010) ‘The slow search for solutions: lessons from historical energy transitions by sector and service.’ *Energy Policy* 38(11) 6586-96.
Fouquet, R. and P.J.G. Pearson (2006) ‘Seven centuries of energy services: the price and use of lighting in the United Kingdom (1300-2000).’ *The Energy Journal* 27(1) 139-77.
Fouquet, R. (2003) ‘The Carbon Trading Game.’ *Climate Policy* (special Emissions Trading issue) 3(2) 143-55.
Fouquet, R. and P.J.G. Pearson (2003) ‘Five centuries of energy prices.’ *World Economics* 4(3) 93-119.
Grubb, M., C. Hope and R. Fouquet (2002) Climatic implications of the Kyoto Protocol: the contribution of international spillovers. *Climatic Change* 54 11-28.
Grimston, M., V. Karakousis, R. Fouquet, R. van der Vorst, P.J.G. Pearson and M. Leach (2001) ‘The European and global potential for carbon sequestration in tackling climate change.’ *Climate Policy* 1(2) 155-171.
Hart, D., M.A. Leach, R. Fouquet, P.J.G. Pearson, and A. Bauen (2000) ‘Methanol infrastructure - will it affect the introduction of SPFC vehicles?’ *Journal of Power Sources* 86(1) 542-7.
Fouquet, R. and P.J.G. Pearson (1998) A thousand years of energy use in the United Kingdom, *The Energy Journal* 19(4) 1-41.
Fouquet, R. (1998) The United Kingdom demand for renewable electricity in a liberalised market, *Energy Policy* 26(4) 281-94.
Fouquet, R., D. Hawdon, P.J.G. Pearson, C. Robinson and P.G. Stevens (1997) The future of UK final user energy demand, *Energy Policy* 25(2), 231-40.
Gage, H. and R. Fouquet (1997) Explaining breast cancer mortality in England: the effect of socioeconomic factors and health care services. *European Journal of Cancer Prevention* 6(4) 341-50.

Pearson, P.J.G. and R. Fouquet (1996) Energy efficiency, economic efficiency and future carbon dioxide emissions from the developing world', *Energy Journal* 17(4), 1-26.

Fouquet, R. and H. Gage (1996) The role of screening in reducing invasive cervical cancer registrations in England, *Journal of Medical Screening* 4(3)70-8.

Fouquet, R. (1995) The impact of VAT introduction on residential energy demand: an investigation using the co-integration approach. *Energy Economics* 17(3) 237-47.

CONTRIBUTIONS TO EDITED BOOKS:

Fouquet, R. (2013) 'Introduction' in Fouquet, R. (ed.) Handbook on Energy and Climate Change. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.

Fouquet, R. (2013) 'Low Carbon Economy: Dark Age or Golden Age?' in Fouquet, R. (ed.) Handbook on Energy and Climate Change. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.

Yeager, K., F. Dayo, M. Dominik, R. Fouquet, A. Gilau, R. Hosier, A. Miller, S. Rao, S. Sethi (2012) 'Economy and Energy' in N. Nakicenovic, L. Gomez-Echeverri and T.B. Johansson (eds.) Global Energy Assessment. Cambridge University Press. Cambridge.

Fouquet, R. (2011) 'The Sustainability of 'Sustainable' Energy Use: Historical Evidence on the Relationship between Economic Growth and Renewable Energy' in I. Galarraga, M. González-Eguino and A. Markandya (eds.) *Handbook of Sustainable Energy*. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.

Fouquet, R. (2009) 'A brief history of energy' in J. Evans and L.C. Hunt (eds.) *International Handbook of the Economics of Energy*. Edward Elgar Publications. Cheltenham, UK, and Northampton, MA, USA.

P.J.G. Pearson and R. Fouquet (2003) 'Long run carbon dioxide emissions and Kuznets curves: pathways to development' in L. Hunt (ed.) *Energy in a Competitive Market*. Edward Elgar. Cheltenham.

Madlener, R. and Fouquet, R. (2002) 'Markets for tradable renewable electricity certificates Dutch experience and British prospects' A New Era for Energy? Price Signals, Industry Structure and Environment. Oxford University Press, Oxford.

Fouquet, R. (2000) 'Lessons for the United Kingdom from previous experiences in the demand for renewable electricity' in Mackerron, G. and P. Pearson (eds): The International Energy Experience. Imperial College Press, London.

Fouquet R. (1996) 'The growth of the cointegration technique in UK energy demand modelling and its relationship to dynamic econometrics' in Mackerron, G. and P. Pearson (eds): The UK Energy Experience: Model or Warning? Imperial College Press, London.

BOOK REVIEWS:

Fouquet, R. (2014) Power to the People (Book Review) *Journal of Economic Literature* 52(4).

Fouquet, R. (2011) Energy Transitions: History, Requirements, Prospects (Book Review) *Environmental Innovation and Societal Transitions* 1(2).

Fouquet, R. (2009) Global Problems, Catastrophes and Solutions. (Book Reviews). *Journal of Economic Issues* 43(4) 1085-9.

Fouquet, R. (2001) Climate change economics and policy. (Book Review). *Climate Policy* 1(4) 521-3.

Fouquet, R. (2001) The economics of energy. Volume I&II. (Book Review). *Economic Affairs* 21(2) 62-3.

SELECTED WORKING PAPERS (NOT CONVERTED INTO JOURNAL ARTICLES):

van de Ven, D.J. and R. Fouquet (2014) Historical Energy Shocks and their Economic Impact. GRI Working Paper 153. Grantham Research Institute on Climate Change and the Environment. London School of Economics.

Fouquet, R., R. Slade, V. Karakoussis, R. Gross, A. Bauen and D. Anderson (2001) External Costs and Environmental Policy in the United Kingdom and the European Union. Centre for Energy Policy and Technology Occasional Paper 3. Imperial College, London.

Fouquet, R. (2001) Environmental Liability Management in the United Kingdom Energy Industries. Centre for Energy Policy and Technology Occasional Paper 4. Imperial College, London.

Fouquet, R (1997) Environmental Information and the Demand for Super Unleaded Petrol. Surrey Energy Economics Discussion Paper, no.90, University of Surrey, Guildford

Fouquet, R., and P.J.G. Pearson (1996) UK Energy Policy: Findings from Two Surveys. Surrey Energy Economics Discussion Paper, no.86, University of Surrey, UK.

Fouquet, R , D. Hawdon, P.J.G. Pearson, C. Robinson, P.G. Stevens (1995) S.E.E.C. United Kingdom Energy Demand Forecasts (1994-2000). Surrey Energy Economics Occasional Paper, no.2, University of Surrey, UK.

Fouquet, R, D. Hawdon, P.J.G. Pearson, C. Robinson, P.G. Stevens (1993) S.E.E.C. United Kingdom Energy Demand Forecasts (1993-2000). Surrey Energy Economics Occasional Paper, no.1, University of Surrey, UK.

Fouquet, R (1993) International Bargaining: The Case of the Large Combustion Plant Directive. Surrey Energy Economics Discussion Paper, no.72, University of Surrey, UK.

Fouquet, R (1993) Developments in Energy Demand Modelling in Hawdon, D. (ed.), Recent Studies in the Demand for Energy. Surrey Economics Discussion Paper, no.70, University of Surrey, UK.

SELECTED CONFERENCE PAPERS:

Fouquet, R. (2015) 'Seven Centuries of Economic Growth and Decline.' AEA Annual Meeting. Boston, MA. January 3-5

Fouquet, R. (2014) 'Historical Energy Price Shocks and their Changing Effects on the Economy.' World Congress of Environmental and Resource Economists (WCERE). Istanbul, Turkey. 28 June-2 July 2014.

Fouquet, R. (2014) 'Long Run Perspectives on Energy and Climate Change.' Keynote Speech. Breakthrough Dialogue. Sausalito, CA, USA. 22-24 June 2014.

Fouquet, R. (2014) 'The Role of Energy Technologies in Long Run Economic Growth: A Historical Perspective.' 37th Conference of International Energy Economists Association (IAEE). New York City, New York. 17-19 June 2014.

Fouquet, R. (2012) 'Long Run Perspectives on Energy and Climate Change.' Keynote Speech. Spanish Association of Energy Economists (AEEE). Pamplona, Spain, 25-27 January 2012.

Fouquet, R. (2010) 'Long Run Trends in Energy Consumption, 1300-2000.' World Congress of Environmental and Resource Economists (WCERE). Montreal, Canada. 28 June-2 July 2010.

Fouquet, R. (2009) 'Slow Search for Solutions: Historical Energy Transitions by Sector and Service.' World Economic History Congress 2009. Utrecht, Netherlands. 3-7 August 2009.

Pearson, P.J.G. and R. Fouquet (2007) 'Long Run Technology and Fuel Transitions and their Energy and Environmental Implications.' Keynote Lecture. 4th European Congress: Economics and Management of Energy in Industry. Porto, Portugal 27 November 2007.

Fouquet, R. (2007) 'Revolutions in Energy Services' 30th Conference of International Energy Economists Association (IAEE). Victoria University, Wellington, New Zealand. 18-21 February.

Fouquet, R. (2006) 'Long Run Trends in Energy Services, 1300-2000' World Congress of Environmental and Resource Economists (WCERE). Kyoto International Conference Hall, Kyoto, Japan, 1-7 July.

Fouquet, R. (2004) 'Long Run Trends in Energy Services' Gordon Research Conference in Industrial Ecology. Queens College, University of Oxford. 1-6 August.

Fouquet, R. and Pearson, P.J.G. (2003) 'Long Run Trends in Energy Services: The Price and Use of Road and Rail Transport in the United Kingdom (1250-2000).' Government Intervention in Energy Markets. BIEE Conference. St John's College Oxford. 25-26 September.

Fouquet, R. and Pearson, P.J.G. (2003) 'Long Run Trends in Energy Services: The Price and Use of Lighting in the United Kingdom (1500-2000).' Government Intervention in Energy Markets. BIEE Conference. St John's College Oxford. 25-26 September.

Fouquet, R. (2001) 'Market forces facing the management of environmental liabilities.' Nuclear Decommissioning. Institute of Mechanical Engineers. London. 16-18 October.

Fouquet, R., R. Slade, V. Karakousis, R. Gross, A. Bauen and D. Anderson (2001) 'External costs and environmental policies in the EU: on the uses of the methods and results in the analysis of energy-related environmental policies.' Pricing the Environment - an Update on ExternE. EURELECTRIC and EDF organised conference. Pole Universitaire Leonardo da Vinci, Paris. 26 January.

Fouquet, R. and P.J.G. Pearson (2000) 'Long run carbon dioxide emissions: pathways to development.' Energy in a Competitive Market Conference in honour of Colin Robinson. University of Surrey, Guildford. 6-7 July.

Fouquet, R. (1999) 'Long run energy prices in the United Kingdom (1500-1996).' A New Era for Energy? Price Signals, Industry Structure and Environment. BIEE Conference. St John's College Oxford. 20-21 September.

Madlener R. and R. Fouquet (1999) Markets for Tradable Renewable Electricity Certificates: Dutch Experience and British Prospects. BIEE Conference. A New Era for Energy? Price Signals, Industry Structure and Environment. St. John's College, Oxford. 21-22 September.

Fouquet, R and P.J.G. Pearson (1998) Energy Prices in the Long Run 1441-1996. Center for Energy and Environmental Policy Research. Massachusetts Institute of Technology, Cambridge, MA. November 15-16.

Fouquet, R. (1998) Consumer Behaviour and Environmental Information. Bridging the Gap: New Perspectives on Environmental Information. Organised by the European Environment Agency. St Catherine's Dock. London. June 6-8.

Fouquet, R and P.J.G. Pearson (1997) United Kingdom Energy Use in the Very Long Run. Conference Proceedings for the International Association for Energy Economics "Energy and economic growth: is sustainable growth possible?" New Delhi, 22-24 January.

Pearson, P.J.G. and Fouquet, R. (1996) The potential contribution of energy efficiency in developing countries to the control of global carbon dioxide emission.' International Symposium on Global Environment, University of Tokyo, Tokyo.

SELECTED REPORTS, THESES AND DISSERTATIONS:

Mueller, B., C. Vrolijk, A. Michaelowa, M. Grubb, and R. Fouquet (2001) Rejecting Kyoto: a study of proposed alternatives to the Kyoto Protocol on Climate Change. Report for Climate Strategies. Marrakesh.

Fouquet, R. (2001) A Framework for Analysing the Diffusion and Public Perception of New Technologies. Report for the Performance and Innovation Unit, Cabinet Office.

Anderson, D., A. Bauen, C. Clark, R. Fouquet, T. Foxon, M. Grubb, D. Hart, M. Hession, M. Leach, P. Pearson, I. Pottinger, J. Skea, R. Slade, R. van der Vorst (2001) Scoping Study on Low-Carbon R&D. Report for the Carbon Trust (and the DETR).

Grimston, M.C., Karakousis, V. and Fouquet, R. et al (2000) The Potential and Role of Carbon Sequestration in Tackling Global Climate Change. Report for Fujitsu, Japan.

Fouquet, R. (1999) Review of Methodology for DTI's Transport Sector Energy Model. Commissioned by DTI's Energy Modelling Group as an external advisor.

Hart, D., Bauen, A., Fouquet, R. et al (1999) Hydrogen Supply for SPFC Vehicles. Report as part of the New and Renewable Energy Programme for Energy Technology Support Unit (ETSU).

Hart, D., Bauen, A., Fouquet, R. et al (1998) Methanol and its Role in the Commercialisation of SPFC Vehicles. Report as part of the New and Renewable Energy Programme for Energy Technology Support Unit (ETSU).

Grimston, M.C., Gross, R., Fouquet, R. et al (1998) European Strategies for Reducing Carbon Dioxide Emissions 2000-2010. Report delivered for Tokyo Electric Power Company (TEPCO), Japan.

Leach, M., Hart, D., Fouquet, R. et al (1997) The Cost Effectiveness and Preliminary Ranking of Technological Options for Reductions in UK Carbon Dioxide Emissions in Main Energy End Use Sectors. Report presented to the Association for the Conservation of Energy - as part of a wider study for the DTI and DETR.

Fouquet, R. (1997) Modelling Sectoral United Kingdom Gas and Electricity Demand. Report for East Midlands Electricity.

Fouquet, R (1997) Information for Energy-Related Environmental Policy: The Role of Disaggregated Dynamic Energy Demand Modelling. Ph.D. Thesis. University of Surrey. Guildford.

Fouquet, R. and H. Gage (1994) The Relationship between Health Inputs and Health Outputs. Economics and Operational Research Division, Department of Health, London.

Fouquet, R. (1993) An Economic Perspective in Allen, P. (ed.) Willingness-to-Pay for Safety from Nuclear Accidents, Robens Institute of Health and Safety, University of Surrey, UK.