

Curriculum Vitae

Positions	Senior Research Fellow, Policy Studies Institute London, Senior Visiting Fellow at the University of Leeds, Senior Consultant Eunomia Research & Consulting		
Education & Qualifications	B.Sc. (Hons.)	University of East Anglia	1995-1998
	M.Sc.	Imperial College London	1999-2000
Career History	2022 -	Policy & Partnership Manager, ISER Essex	
	2012 to 2016	Senior Research Fellow, Policy Studies Institute	
	2008 - 20014	Freelance Consultant / Visiting Research Fellow	
	Feb to Dec 2007	Senior Consultant, Eunomia Research & Consulting	
	2003 – 2006	Research Fellow - Policy Studies Institute, London	
	2000 – 2002	Research Consultant – Environmental Resources Management (ERM) London & Oxford	
	1998 – 1999	Actuarial Analyst - Norwich Union	
Key Project History	<ul style="list-style-type: none"> ▪ Dynamic policy mixes for absolute decoupling of environmental impact of EU resource use from economic growth - DYNAMIX, (EU Commission, 2012 to 2015). The main objectives of this pan-European research project are: to carry out a qualitative and quantitative evaluation of existing resource policies and inefficiencies in resource use; to propose dynamic and robust policy mixes for resource efficiency and assess their efficiency, effectiveness, sustainability for absolute decoupling. I led PSI's contribution on incorporating novel concepts and paradigms. ▪ Scoping study to identify potential circular economy actions (EU Commission (DG ENV), 2013 – 2014). I led a consortium of partners to deliver this project. The overall project objective was to provide information that will guide the initiation of new policy-instrument development or reform at EU level; thereby making further progress towards a Circular Economy. The approach taken was to understand the influence that the socio-economic system as a whole has on the prospects of further moves towards a circular economy. ▪ Benefits of EuP-related Directives to the UK green economy (Defra 2012). The objectives of the study are to understand whether, and by how much, the UK economy benefits from the current and proposed EuP-related UK regulations and EU implementing measures, beyond the direct benefits of reduced energy consumption and the other benefits already included in Impact Assessments. ▪ Tackling Carbon Emissions embedded in trade – The role of 		

border carbon adjustments (CLCF & University of Leeds, 2011).

This project is exploring one of the leading options put forward for reducing traded emissions which has been widely discussed – “Border Carbon Adjustments”. While considerable work has been done on BCAs many myths appear to exist about their effectiveness to reduce carbon emissions. This project is using a Multi-Regional Input Output (MRIO) global trade model to explore a range of sensitivities to establish how much carbon would likely be captured in various scenarios related to BCAs. I was responsible of the overall coordination of the project focusing on the input of experts around the world.

- **Impacts of innovation on the regulatory costs of Energy-using Products policy (Defra 2010).** This project provided a comprehensive overview of the literature on innovation and used this to develop and novel simulation tool for those developing policy Impact Assessments (IAs) to better account for the innovation impacts of perspective policy. My role was to inform the review of the literature based on his previous experience of IAs and regulatory costs, as well as support the development of the policy guidance.
- **Social Research Review to Inform Natural Environment Policy: (Defra 2010).** This project has provided a rapid overview of the social science relevant to natural science policy making within Defra’s delivery landscape, as well as undertaking in depth reviews in three policy areas and challenges. I led a consortium of leading experts in this area from the Policy Studies in London, the Centre for Rural Economy at the University of Newcastle and the specialist firm Land Use Consultants based on London.
- **A model of vulnerability and resilience of the UK financial sector to international climate change: implications for the UK adaptation strategy (Defra 2008).** This work formed part of the wider scoping study for the first national Climate Change Risk Assessment (CCRA) for the UK and associated Cost-Benefit Analysis (CBA) of adaptation for England. The project set out to scope how the impacts of climate change in other countries will affect the UK financial sector, and the implications that this will have for the UK’s adaptation policies.
- **Policies to Encourage Sustainable Consumption (EU 2011).** The principal objective of this project was to develop policy guidance on how to promote changes in consumption patterns to make them more sustainable. This was done with reference to various approaches, including those based on behavioral research from different fields. The resulting policy recommendations will enable a more optimal design of policies that are specific to key consumer groups and sectors, which can be used towards promoting more sustainable consumption. My role with the cross-institute project is to feed-in his established knowledge of how behavioral scientific theories have been applied in the development of the policy.
- **Real world consumer behaviour relating to the purchase of environmentally preferable goods (European Commission 2009).** This project identified the influences that are known to affect consumer choice. Real-world examples of product policy were used to illustrate the ways in which consumer behaviour deviates from that predicted by rational choice theory. It did this with reference to the evidence emerging from the parallel disciplines of behavioural economics and commercial and social marketing. The project was extended in 2010 to seek others to help expand the evidence base in this area.
- **Cost Benefit Analysis for Delivering Water Neutrality in the Thames Gateway Development (Environment Agency in Association with Metroeconomica 2008/9).** The CBA took the costs of measures from a previous study and complemented these with estimates for administrative costs of implementation, as well as the economic and

financial benefits of the Water sector not needing to supply additional water.

- **Household and economy wide impacts of changing environmental behaviour** (Defra in Association with the Policy Studies Institute 2008) This project quantified the carbon and household income impacts of behavioural change around 12 behavioural goals and scoped out a methodology for considering the environmental impacts due to the secondary spend. My role was to develop the options and scenarios on behalf of the PSI and supervise the food options part of the CBA.
- **Economics support to the Environment Agency** (Environment Agency in Association with GHK, 2008). Support to the national Economics team of the Environment Agency in Bristol for the assessment of cost effectiveness of classification of Heavily Modified Water Bodies (HMWBs) and nitrates measures under the Water Framework and Groundwater Directives, The work relied heavily on CBA as one of the key components of the assessment of Disproportionate Costs as set out in the Directives.
- **Administrative costs as a sustainability indicator for policy development in the EU** (European Commission in Association with the Policy Studies Institute 2008). I was asked to explore the national baseline data as produced by the Standard Cost Model (SCM) as a sustainability indicator.
- **Environmental Permitting Programme 2** (Defra, Environment Agency). A scoping study looking at the feasibility of extending the EPP programme to other environmental regimes. The modelling used the Standard Cost Model to assess administrative burdens and went on to assess the NPV of proceeding with EPP2.
- **Citizens' Science for Sustainability** (2005-2006) EPSRC. This programme of action research and networking activities designed to build links –promote engagement, dialogue and collaboration between EPSRC scientists and engineers, local professionals and stakeholder groups and lay citizens from marginalized and excluded groups.
- **Sustainable Consumption and Production - Development of an Evidence Base for the UK Defra 2006**. Assessed the usefulness of different Resource Flow tools and the development of policy recommendations in order to enable a better understanding of how resources are used. The project concluded by assessing the feasibility of extending the Input Output methodology to the carbon impact of traded goods and service (2006).
- **Developing New Methodologies to Assess the Sustainability Impacts of Trade Policies (SIAMETHOD)** (The European Commission 2005-2006) This project developed innovative policies for sustainable trade arrangements via SIA's. I considered the extent that trade agreements can internalise the environmental and social burden of primary production among vulnerable developing country producers.
- **Ex-post estimates of costs to business of EU environmental policies** (DG ENV 2005). This project provided a comparison of ex-ante and ex-post estimates of costs to business of selected pieces of EU environmental legislation. I played a central role in the project briefing a group of national policy makers in advance of the projects workshop on the drivers for the differences.

Key ERM projects

- A projection of UK Renewable Obligation Certificate (ROC) prices up to 2010 and Development of a Renewable Energy Strategy (Centrica 2002)
- Resource estimation for utilisation in paralysis plants in the UK; Due diligence on behalf of a venture capitalist (2002)
- Liabilities and opportunities for carbon market trading; Due diligence in advance of a major oil and gas acquisition in Russia (confidential client,

**Key
Publications**

2002)

- Impacts of Electricity and Gas Market Liberalisation in the Enlarged for the European Union up to 2010 (EU 2000)
- Review of power Load Forecast for Uganda (2000/1)
- Examination of the Cost and Benefits of Grid Installation and Maintenance in the Highlands & Islands of Scotland (H&I Enterprises 2001)
- Renewable Energy in Northwest England: Investigating the Potential and Developing the Targets (Government of the North West 2000)

Understanding the Cost of Regulation in Europe: A book Edited by Paul Ekins, Michael MacLeod, Dominic Moran, Robin Vanner Published by Elgar in 2009: ISBN 978-1-84720-492-9

Decommissioning of offshore oil and gas facilities: Decommissioning scenarios – a comparative assessment using flow analysis, Accepted for publication by the Journal of Environmental Management

Energy Use in Offshore Oil and Gas Production: Trends and Drivers for Efficiency from 1975 to 2025 Submitted for publication in the Journal of Energy and the Environment.

Ekins, P, Vanner, R, Firebrace, J, 'Zero emissions of oil in water from offshore oil and gas installations: economic and environmental implications', Journal of Cleaner Production, Volume 15, Issues 13–14, September 2007, Pages 1302–1315

Ekins, P; Vanner, R; (2007) Sectoral sustainability and sustainability assessment methodologies: A review of methodology in light of collaboration with the UK oil and gas sector. J ENVIRON PLANN MAN , 50 (1) 87 - 111.