Helen Jackson

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PERSONAL STATEMENT

I am a freelance economist, data analyst and researcher. I have twelve years' experience in economic consultancy, generating high spec, technically demanding research outputs for clients in government, business and finance. My specific expertise is in environmental economics and policy, particularly energy and climate change, but also fisheries and natural resources. However, my consultancy experience and analytical skills are highly valued by clients in other fields. I have a strong interest in data science and requisite coding, database and mathematical skills. I understand inside out how good quality research, communicated well, can support decision-makers in any organisation.

KEY SKILLS & EXPERIENCE

Successful track record as a freelance contractor
- clients over the past four years include the UK and two other G20 governments, the Climate Bonds Initiative, the Economist Intelligence Unit, the World Bank and a utility company

Extensive experience of supporting decision-makers through high spec commissioned research
- deploying technical expertise to topics in climate finance, policy and economics for policy-makers, multilateral institutions and global companies
- adept at blending formal methodologies, data, qualitative research and critical thinking to form robust analysis and reach clear conclusions
- ability to communicate complex topics with clarity and concision; confident in consultancy, journalistic and academic written styles

Exceptional quantitative, analytical and IT skills
- coding, database and software modelling skills (perl, JavaScript, R/S-PLUS, SQL, UML) gained during study with Imperial College and Oxford University
- ability to handle large and/or non-tabular datasets
- experience and good knowledge of techniques in econometrics/regression analysis, exploratory data analysis, data visualisation and agent-based modelling

CAREER

2014 - present **Freelance**

with **Climate Bonds Initiative:** Ongoing support to the Climate Bonds Initiative in developing green finance standards to flag bonds compatible with a low carbon economy to investors; responsibility for lead technical input and/or drafting of standards for transport, geothermal energy, hydropower and energy grids; resulting standards have been used to certify bonds linked to the Asian Development Bank, China Development Bank, Industrial and Commercial Bank of China, SNCF, Indian Rail Finance Corporation and the transport authorities of New York, Los Angeles, San Francisco and Cape Town.

with **Vivid Economics:** Project in the UK Space Agency's International Partnership Programme linking remote sensing and socio-economic data to assist climate resilience planning in Ethiopia and Kenya; two research projects relating to Brexit for a UK Government department; two projects for a confidential G20 government, in partnership with a private client, researching natural gas energy security and historic patterns in global energy use; for the latter developing a novel data analysis technique; exploring the potential form and function of a proposed Office of Energy, an analogous body to the UK Office for Budget Responsibility, for RWE npower; project for the UK Department of Environment, Food and Rural Affairs on water quality and ecosystem services; content for a chapter in a World Bank publication on energy and climate change.

Other: Chapter on renewable energy in a report for a G7 government, a series of custom research articles and a project for UNICEF for the Economist Intelligence Unit; social policy data analysis for a prominent UK journalist covered in the *Daily Telegraph*; evaluation of a homelessness service.

(the period 2011-2013 was spent caring for my daughter)

| 2007-2011 | Freelance then | Vivid Economics, London |
| | **Senior Economist** | www.vivideconomics.com |

Company: Vivid Economics applies economics to support high-level decision-making in areas such as energy, climate change, infrastructure, resources and innovation. It has one of the world's leading teams of specialists in climate change economics and finance.
Key experience: contributing to the global policy debate on climate change finance for developing countries through research for the United Nations Environment Programme, African Development Bank and UK Department for International Development; supporting UK fisheries policy over the course of four studies for the Department for Environment, Food and Rural Affairs; many other projects related to low carbon economics/policy for clients such as the Emerging Markets Forum and European Bank for Reconstruction and Development.

| 2004-2007 | **Environmental** | Economics for the Environment Consultancy |
| | **Economist** | (eftec), London   www.eftec.co.uk |

Company: the UK's leading consultancy specialising purely in environmental economics, particularly in demonstrating the value of environmental goods and other assets which cannot be valued through markets.
Key experience: environmental valuation and policy appraisal projects for the UK Government and European institutions in areas such as ecosystem services, environmental trading schemes, environmental liability, flood management, agriculture, landscape, water quality and cultural heritage; contributing to the economic cases for the Thames Tideway 'Super Sewer' and London Olympics; co-managing a team of international experts responsible for drawing up methodologies applicable under the EU Environmental Liability Directive.

| 2001-2003 | **Analyst** | Volterra Consulting, London |
| | | www.volterra.co.uk |

Company: at the time specialising in projects relating to carbon emissions trading, complexity economics, social policy and financial risk analysis.
Key experience: support of participants in the UK Emissions Trading Scheme, the world's first multi-industry carbon trading system; writing computer models to assist complexity economics research; economic geography analysis of new transport infrastructure.

EDUCATION

2012-2013	**Oxford University**	Advanced Diploma in Data and Systems Analysis (distinction)
2003-2004	**University College London**	MSc Environmental and Resource Economics (pass)
1996-2000	**Imperial College London**	MSci Physics with a Year in Europe (first class)

OTHER INTERESTS & EXPERIENCE

- As a student I contributed to, and developed my coding skills during, three space and atmospheric physics research projects, including a discontinued DPhil at the Department of Atmospheric, Oceanic and Planetary Physics, Oxford University
- I read French at an advanced level and speak it at an intermediate level
- I have strong interests in economics, policy and social science outside of environment/climate, particularly in new economic thinking, complexity economics and the application of data science to economics