



Innovation and governance of the power sector to enable a high penetration of electric vehicles

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Chatham House, 10 St James's Square, London SW1Y 4LE

The Energy Policy Group at the University of Exeter provides an academic hub for the interdisciplinary study of energy policy. We place sustainability and change at the heart of debates about energy policy and governance. We work collaboratively with stakeholders and researchers on the economics and politics of energy to find new and innovative approaches for enabling the transition to a low carbon, sustainable and affordable energy system.

EPG focuses on applied energy policy research and practice change, within the UK and internationally, to inform industry, policy makers and wider society. The Group is focusing on innovation and governance within system change, energy economics and regulation, innovation policy, technical change, policy studies and the psychology and sociology of behaviour and energy use.

The IGov2 research programme is focusing on energy system change that is happening at the moment and the different dimensions of that change, such as: business models; technology; markets; networks; ownership; the role of people; political systems; system operation; economics; social preferences, etc. We seek to better understand the reasons for some of the changes that are occurring, the political economy context in which they are happening, and how actors across the whole energy system are reacting and adapting to this change. This includes research within the UK and look at what is happening in terms of energy and governance in other countries. Within this work we are interested in: whether tipping points have occurred and how they have manifested themselves; how different places have managed disruption; how 'new' actors / entrants exist/develop, and the ways in which they (and innovation) are encouraged (or not), and the impacts of that elsewhere in the system, on costs, for business models etc.

The rise of electric vehicles and the impact that they are having on the power and transport sectors is a clear example of a fast approaching tipping point, with companies, such as Volvo, announcing the phase of production of purely internal combustion engines and Governments around the world announcing the phase out dates for petrol and diesel engines. The workshop will explore, using UK and international examples, what are the innovation and governance implications for the power sector of, what is expected to be, the rapid rise in the deployment of electric vehicles.