

Seminar on '**Electrifying Europe: The Future Generation of Electricity and the Supergrid**'

Sussex University, 28 June 2012

Driven by three imperatives of combating climate change, providing affordable energy to consumers and ensuring security and independence of energy supplies Europe is moving towards the creation of a single market in electricity. This market will bring low-carbon electricity from wind power from the North Sea and solar power from Southern Europe and North Africa to the densely populated regions and countries of Northern Europe. To generate solar power large concentrated solar power (CSP) will be widely deployed and where appropriate photovoltaic technologies (of which there are currently several) will be utilised. This transition will not happen without a new approach to the transmission. The new approach is the Supergrid. The basic concept is the construction of a pan-European transmission network facilitating the integration of large-scale renewable energy and the balancing and transportation with the aim of improving the European market. For the northern section of the Supergrid (Offshore North-Sea Grid) the countries involved are Germany, France, Denmark, Sweden, the Netherlands, Belgium, the UK, Ireland and

We are hoping to invite an interdisciplina