



Electric vehicles, urban development and energy infrastructure: comparative perspectives from the UK and South Korea

Dr Nazmiye Ozkan

Centre for Energy Systems & Strategy

Fund for International
Collaboration



Economic
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Urban Development, Energy infrastructure and Sustainable MObility (UDESMO)

ES/W01064X/1



UK and South Korea social science, arts and humanities connections



Opportunity status:	Open
Funders:	Economic and Social Research Council (ESRC) , Arts and Humanities Research Council (AHRC)
Funding type:	Grant
Total fund:	£1,500,000
Maximum award:	£50,000
Publication date:	30 July 2021
Opening date:	11 August 2021 09:30 UK time
Closing date:	26 October 2021 16:00 UK time

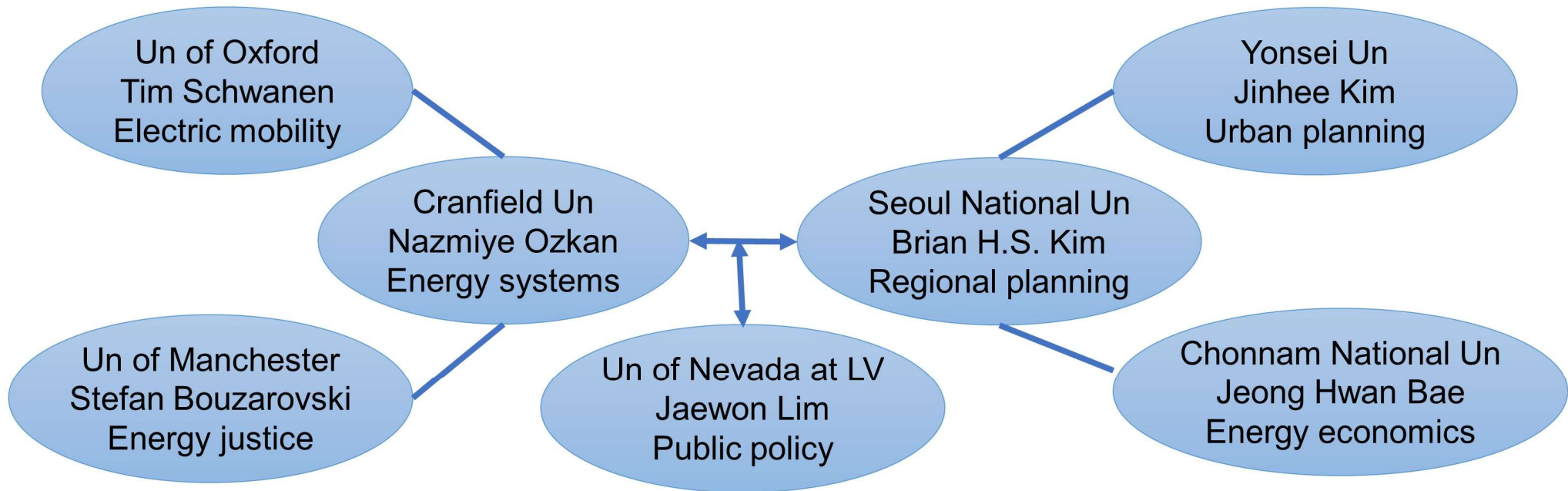
Last updated: 18 August 2021

Apply for funding to develop long-term relationships between researchers based in the UK and South Korea.

Your project must involve collaborative activities that:

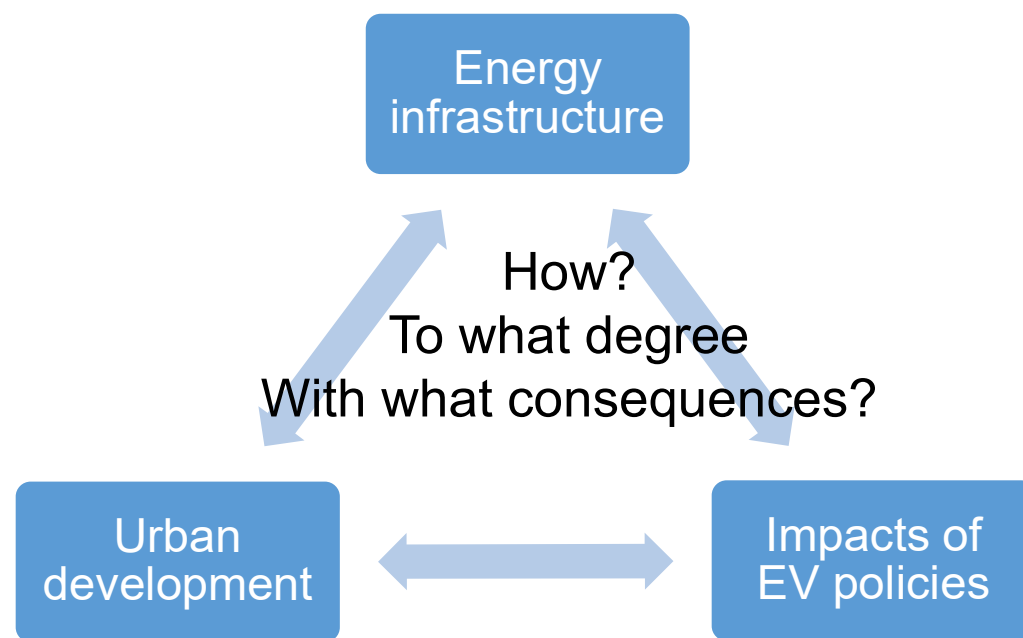
- are within the areas of social science, arts or humanities
- engage a network of researchers in both countries
- include early career researchers.

Project team



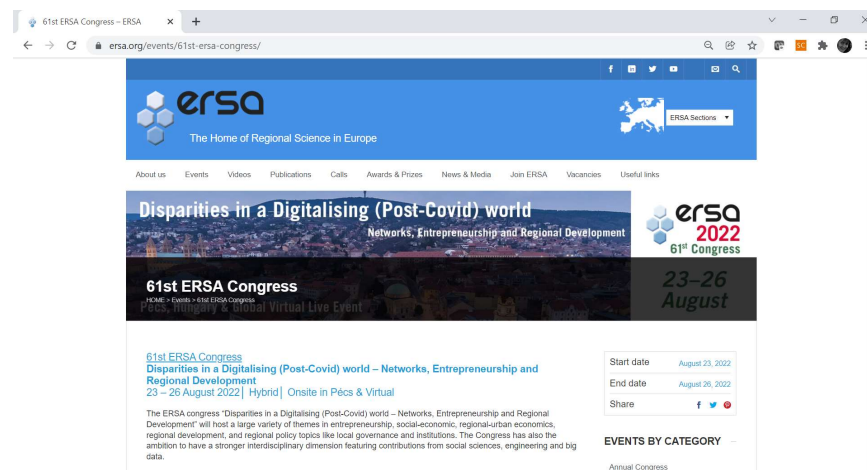
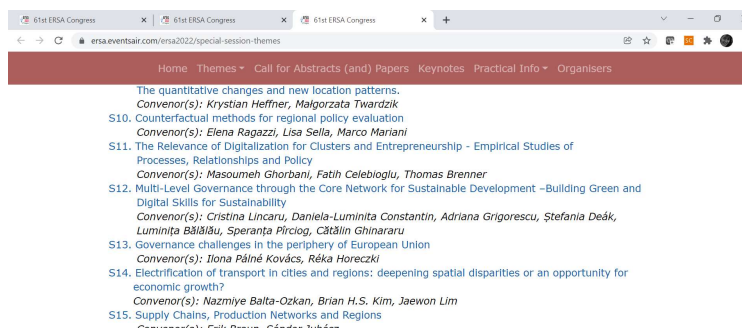
Project objectives

- To facilitate shared knowledge and understanding of EV promotion and urban development policy frameworks and their impacts on energy networks in the UK and KR
- Synthesise network findings to develop a list of research agendas on how regional science and urban planning discipline and practice can support transition to electric mobility for a smart energy system.
- Jan 2022- June 2023



Activities so far..

- European Regional Science Association (ERSA) conference in Hungary 23-26 August 2022
- Special session: Electrification of transport in cities and regions: deepening spatial disparities or an opportunity for economic growth?



Objectives of the day

Address knowledge gap and the lack of connectivity and level of engagement between the UK and South Korea (KR) researchers through networking activities. In two workshops running consecutively, the aims of this event are as follows:

- Facilitate knowledge exchange on role of urban planning and policy in facilitating the management of power networks in the UK and KR
- Generate comparative insights on policy goals, implementation structures and instruments across the UK and KR
- Identify lessons to share to enable cost-effective operation of power networks between the UK and KR



Agenda of the day

12:30-13:00	Registration and tea & coffee on arrival
13:00-13:10	Introduction of the network and objectives of the day Dr Nazmiye Ozkan – Cranfield University
13:10-15:00	Early Career Researchers – international perspectives, chaired by Dr Jaewon Lim and Prof Stefan Bouzarovski <ol style="list-style-type: none">1. “Green is the new black”: Motives and barriers to adopting electric vehicles among the young adults in Innsbruck, Austria, Rumana Islam Sarker (remote presentation)2. Electric vehicle uptake in New Zealand: A spatio-temporal analysis, Dr Selena Sheng (remote presentation)3. Segmentation methods for low-impact behaviour in energy and transport: A Dual Domain Analysis, Alexandra-Elena Vitel (remote presentation)4. Exploring the accessibility of public EV chargers in England, UK, Dr Yuerong Zhang5. Planning of electric vehicle charging infrastructure using the Voronoi diagram, Dr Ali Alderete Peralta6. They the People: subject formation, electric mobility, and social justice in Bristol policy, Dr Hannah Budnitz
15:00-15:15	Tea/ coffee break
15:15-16:00	Break-out group discussions: identify research gaps (key issues and questions to be addressed)
16:00-17:00	Panel debate: International perspectives on identified key research areas – chaired by Prof Tim Schwanen Prof Brian Kim – Seoul National University Prof Jeong Hwan Bae - Chonnam National University Dr Jaewon Lim – University of Nevada, Las Vegas Dr Jinhee Kim – Yonsei University
17:00-17:15	Final remarks
18:30-20:00	Conference dinner

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