

In the context of a city-wide network for the Internet of Things, what connections can be made that link together civic, cultural and private activities to foster an open innovation culture?

What makes a culture of innovation?

What makes such a culture 'open'?

What is role of design?

Assume that we have city-wide network connectivity, with low barriers to access.

Assume that we have low-cost static and mobile sensors.

Assume that data is encrypted, small volume, real-time

- City of Edinburgh Council (libraries, waste collection, parking, air quality)
- Transport for Edinburgh (trams, buses)
- Scottish Government
- NHS
- Community Councils, NPs, etc
- Sustrans / Living Streets / Spokes
- Hacklab, schools, colleges and universities
- National Museums
- National Galleries
- National Library
- Historic Environment
- Edinburgh Festivals
- Creative Edinburgh
- BBC, STV
- Usher Hall, Festival Theatre, Summerhall
- Royal Botanics
- Union Canal, Water of Leith
- CodeBase / Techcube
- Banks, Fintech
- UoE / CEC / NHS as major employers
- IBM, Amazon, Skyscanner
- Taxi companies, car club
- Network Rail, ScotRail/Abellio
- Innovation Centres (Data Lab, CENSIS, Digital Health)
- Forth Ports



ESRC Challenge: New and Emerging Forms of Data for Policy

- What is the added value of IoT data for policy makers?
- Areas of concern:
 - Health and wellbeing
 - Work and skills
 - Emergency response, resilience
 - Crime, law, justice

1. How do we balance collection of fine-grained, individual-level data with maintaining confidentiality, protecting privacy and engendering trust?
2. Concentration of cultural assets in centre of the city – how do we make connections that embrace the outer areas, and the interface between city and wider region?
3. “The interface between things is where the most interesting events take place” – where are the **urban edges** in Edinburgh that provide opportunities for innovation?
4. What information do people need in order to achieve a positive impact on their communities and the way they want to live?
5. Can IoT data provide trusted evidence that feeds into contentious policy areas?