



Urban Big Data Centre

An ESRC Data
Investment

Welcome: Shaping Data Standards for Future Cities

Andrew McHugh, Senior IT and Data
Services Manager
Urban Big Data Centre



An ESRC Data
Investment



Programme

- Morning Session – *Shaping Standards*
- Afternoon Session – *Adopting Standards for Future Cities*
- We'll hear from those administering, developing, informing and benefiting from smart city and big data standardisation
- Discussion welcomed!



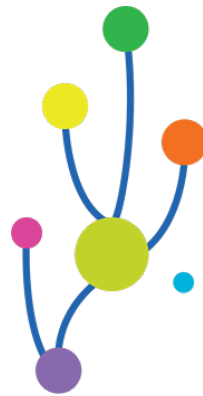
An ESRC Data
Investment



Some practicalities

- Wifi details
 - SSID: TheIET
 - Username: iet
 - Password: cooper
- Filming and photography
- Social media:
 - Hashtag #DSFC17
 - You can follow UBDC @urbanbigdata

About the Urban Big Data Centre



Urban
Big
Data
Centre

An ESRC Data
Investment

A Research-led Data Service



The Urban Big Data Centre (UBDC) is a research resource promoting the use of innovative methods and complex urban data to address global city challenges.

Our Objectives:



Develop novel solutions for using and sharing urban big data



Provide high quality training and outreach activities



Deliver cutting-edge research



An ESRC Data Investment



Core Research Areas

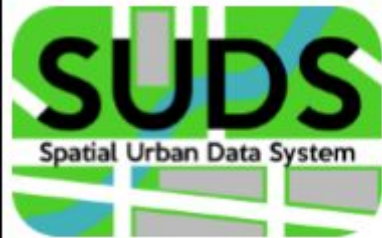
- Transport Informatics, GIScience and Spatial Modelling
- Housing with focus on private rental sector
- Economic Development and Migration Studies
- Education and Literacy
- Social Exclusion with a focus on understanding path dependence
- Big Data Management and Information Retrieval
- Statistical uncertainty and dependence modeling

National Data Service

- Maintaining and providing access to open and safeguarded data collections
- Facilitating research use of controlled microdata via safe haven partner
- Real time analytics, data capture and linkage and synthetic data generation
- Data sourcing service

Key data sources

IN-HOUSE DATA PROGRAMMES



LOCAL AUTHORITIES & GOVERNMENT



COMMERCIAL ORGANISATIONS



An ESRC Data Investment



University of Glasgow

UBDC and Standards Agenda

- Urban indicators development
- Metadata and data management standardisation
- Big data standards
- Smart cities



Urban Big Data Centre

An ESRC Data
Investment
