

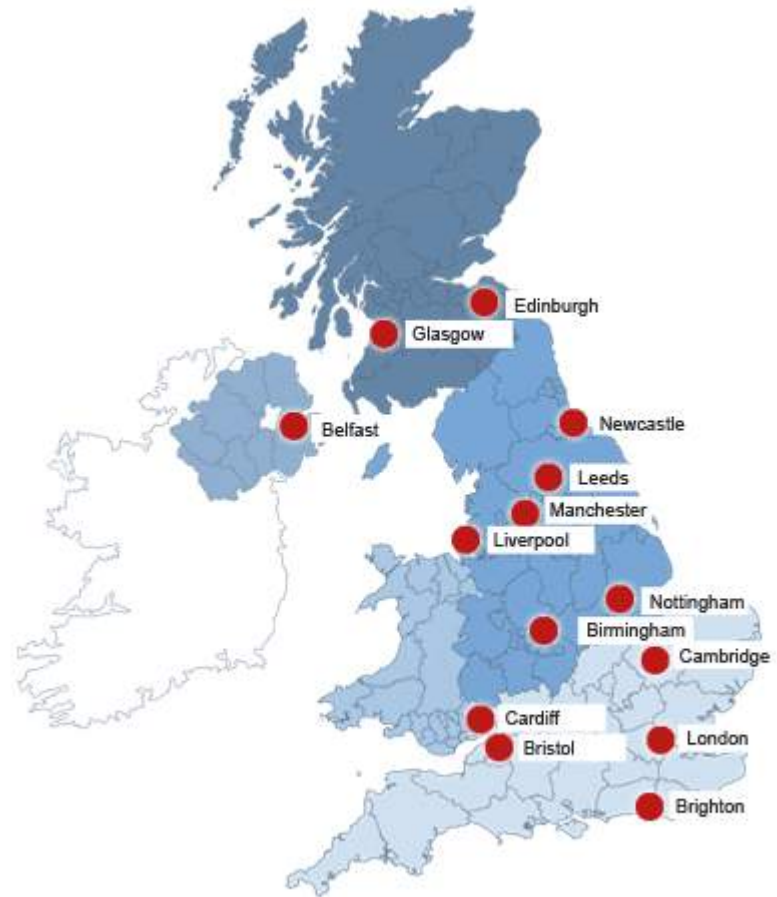
Case studies from the UK

Judith Sykes

Director, Useful Simple Projects

Four cities leading the way....

- Glasgow
- Bristol
- London
- Milton Keynes



Future City Glasgow



Source: www.wired.co.uk

Future City Glasgow



Innovate UK
Technology Strategy Board



Operations Centre

Data

My Glasgow

Dashboards

Linked Mapping

Energy

Active Travel

Social Transport

Intelligent Street Lighting

Engaging the City

Hacking the Future

Future Makers

Community Mapping

Citizen Engagement

Source: Future City Glasgow

Glasgow Operations Centre



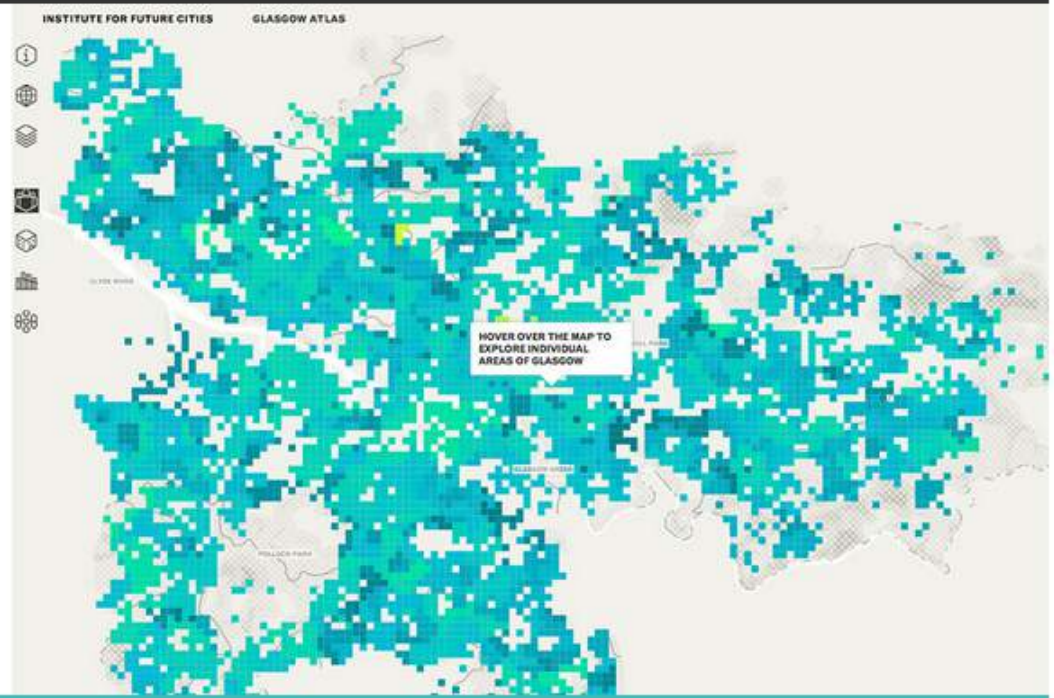
Source: Future City Glasgow

City Observatory

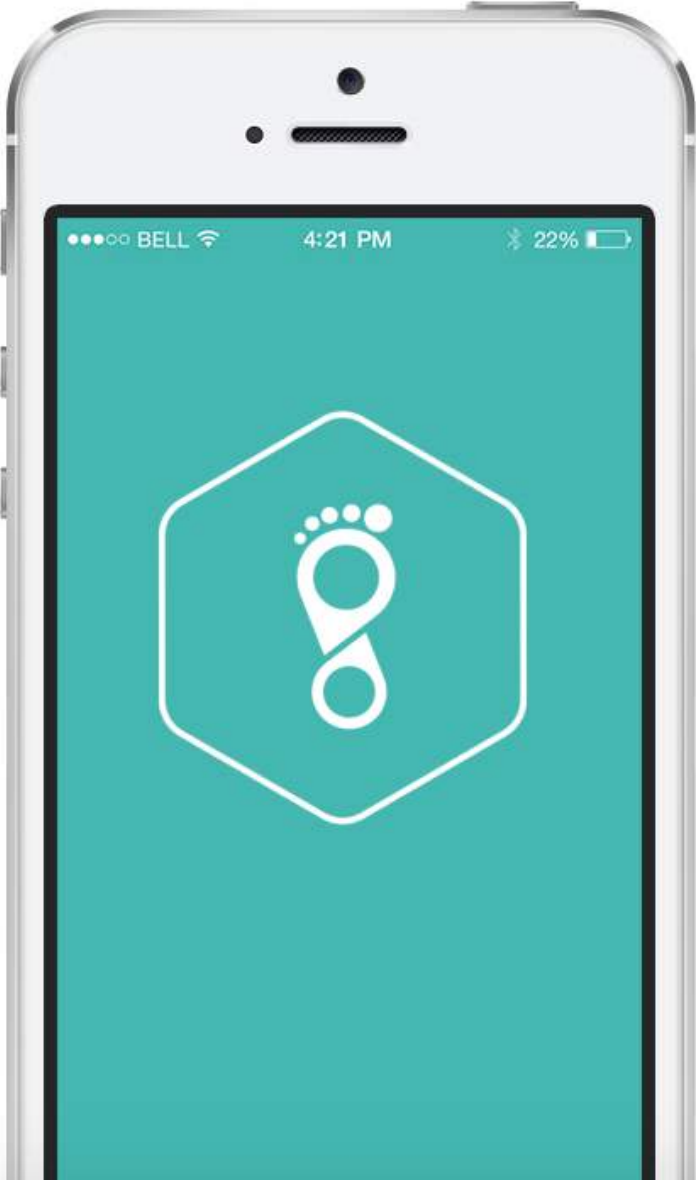
Urban Data Visualisations

The City Observatory is a tool that uses data to understand cities in new ways, to help develop innovative approaches to solving urban problems (in areas such as crime, health, sustainability), and deliver positive outcomes for cities. Visualisations of diverse data sets and the analysis and cross-comparison of urban data can help us do this.

Take a look at diverse urban datasets for Glasgow, from health to house prices, visualised through city map layers in [The Glasgow Atlas](#)



Glasgow Walking App



Source: Future City Glasgow

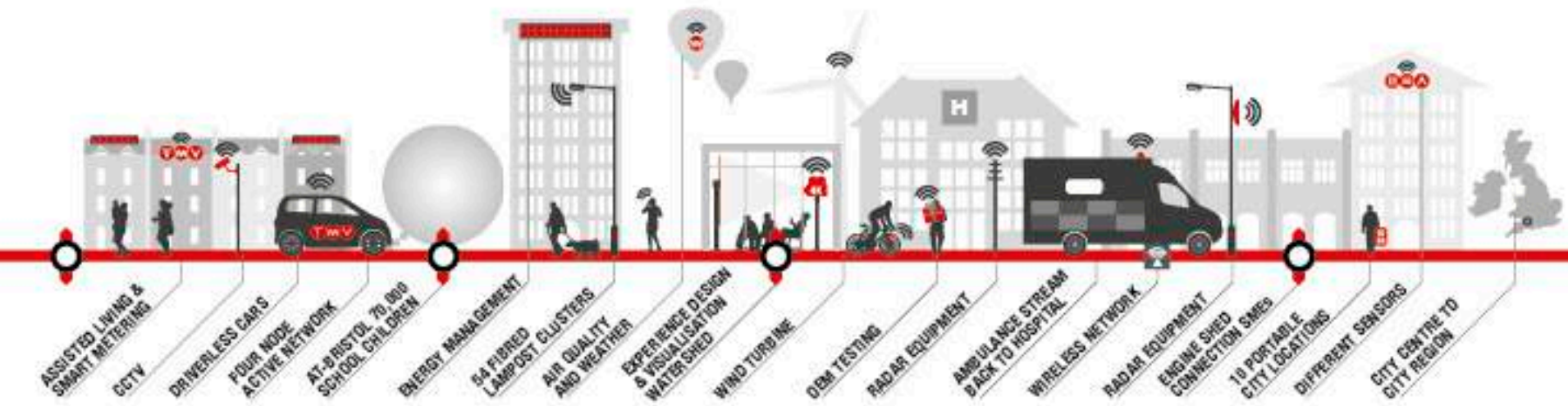
Glasgow Intelligent Street Lighting



Source: Future City Glasgow

Bristol is Open

'I see Bristol as a laboratory for urban change'
Mayor George Ferguson



BIG DATA GENERATION

Source: Bristol is Open

Hello Lamp Post



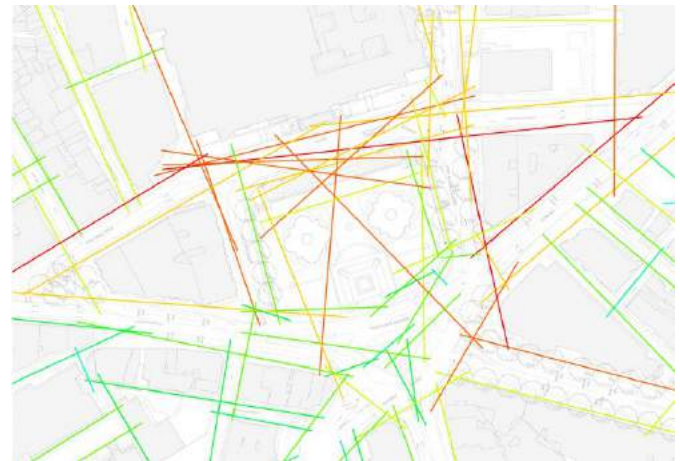
Source: Hello Lamp Post

Milton Keynes' Internet of Things



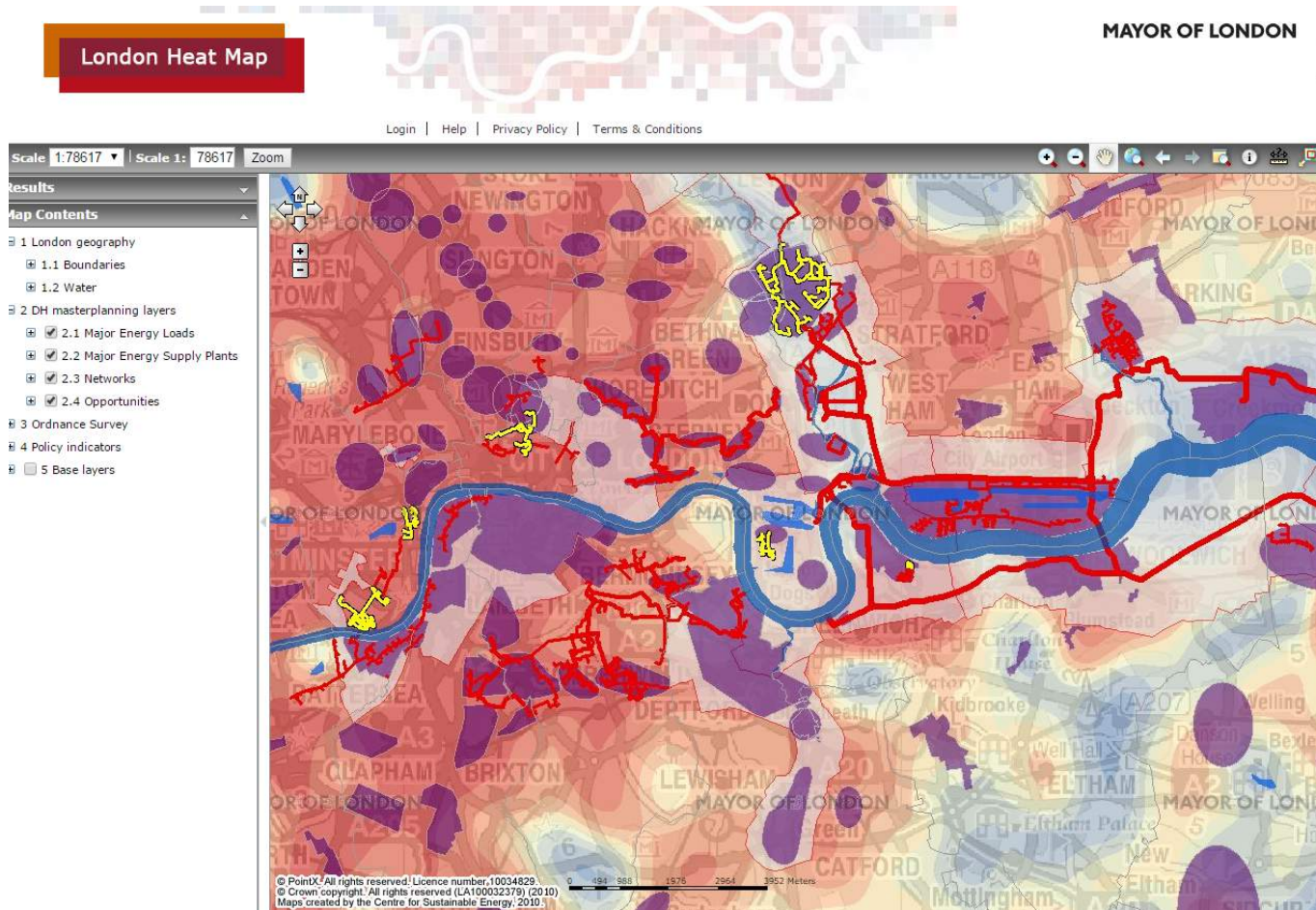
Source: www.theguardian.com

Redesign of Trafalgar Square



Source: Foster + Partners; Space Syntax

London Heatmap



Source: London Heat Map

City Dashboard

London

51.51 N, 0.13 W

Thu 14 Jan @ 09:48:33

Go to Map - Go to Grid - Change City

WEATHER STATION (CASA TEAM)

STATION	WIND SPEED	WIND GUSTS	DIRECTION	TEMPERATURE	HUMIDITY	RAIN TODAY	PRESSURE	FORECAST
CASA Office: Bloomsbury W1	10.0 mph	22.0 mph	W →	3.9 °C	86%	0.8 mm	1002.20 mbar	Night Snow
SJG Weather: Pinner HAS	Data not updated for 49 hours							

WEATHER (METAR)

London City Airport
 Mostly cloudy
 Light rain
WSW at 16 mph
4 C

FORECAST (YAHOO! WTh)

	Thu	Fri
Temperature	5 C	5 C
Conditions	Partly Cloudy	Sunny

TUBE LINE STATUS (TfL)

Bakerloo	Good Service
Central	Good Service
Circle	Good Service
District	Minor Delays more
H & C	Good Service
Jubilee	Good Service
Metropolitan	Good Service
Northern	Good Service
Piccadilly	Good Service
Victoria	Minor Delays more
W & C	Good Service
Overground	Part Suspended more
DLR	Good Service

LONDON CYCLE HIRE (TfL)



IN SERVICE (TfL)

7267
London buses

424
Underground trains

AIR POLLUTION (DEFRA)

	µg/m ³ TIME AVOID	OZONE	NO ₂	SO ₂	PM _{2.5}	PM ₁₀
Bloomsbury	38	68	5	5	12	
Marylebone Rd	17	16	20	15	28	
N Kensington	42	44	5	5	14	

BICYCLES (LBH)

Goldsmiths' Row
4056
 yesterday

STOCKS (YAHOO)

FTSE 100 Index
5861.58
 -99.39 (-1.7%)

TRAFFIC CAMERAS (TWO AT RANDOM) (TfL)



BBC LONDON NEWS (BBC)

London to get 600 extra armed police Takeover call for south London rail Facelift for 'magnificent' cemeteries Man charged with teen's 1982 murder Drugs gangs 'recruiting nine-year-olds'

OPENSTREETMAP UPDATES (OSM)



ELECTRICITY (N.GRID)

Demand (Great Britain)
44065
 MW

MOOD (LSE HAPPINESS)

5% happier than the long term average for here
8% happier than the whole country right now

TWITTER TRENDS FOR LONDON

#Jakarta #CarpoolKaraoke #SAvENG Chris Grayling
#RuinALoveSong #MeetInnovation Shami Chakrabarti Chris Lynn
 Katie Mitchell Indonesia Kaizer Chiefs Stockwell JJ Engelbrecht Wanderers Dick Pound HELL3
 Friends Reunited Suzanne Moore
 Alan Kurdi #Fhola #TroveAndSmallz #IleMivBRITS #snow #transjouriv

LONDON NEWS AND EVENTS (TWITTER)

LONDON UNIVERSITIES (TWITTER)

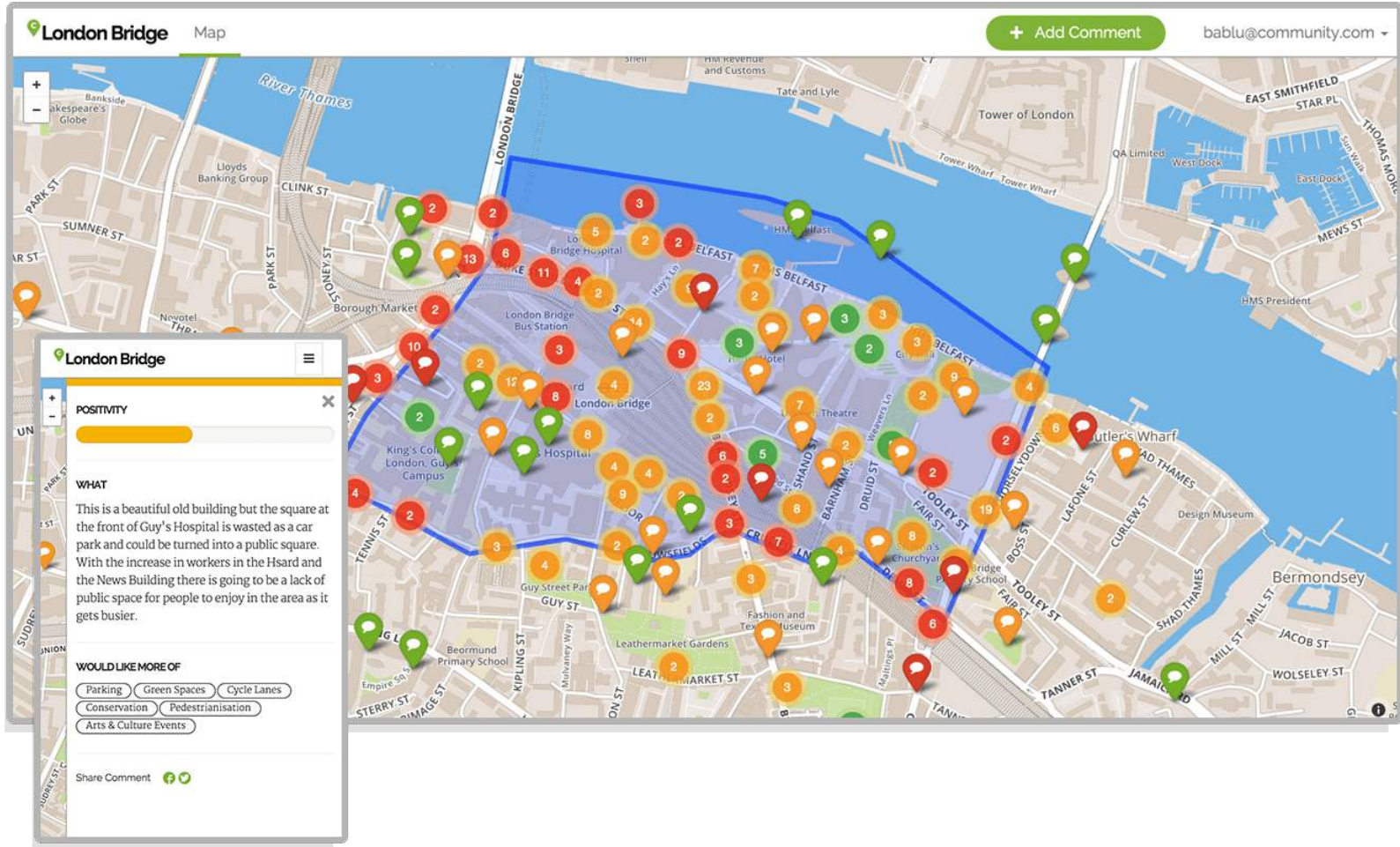
Source: City Dashboard London

Mappiness App



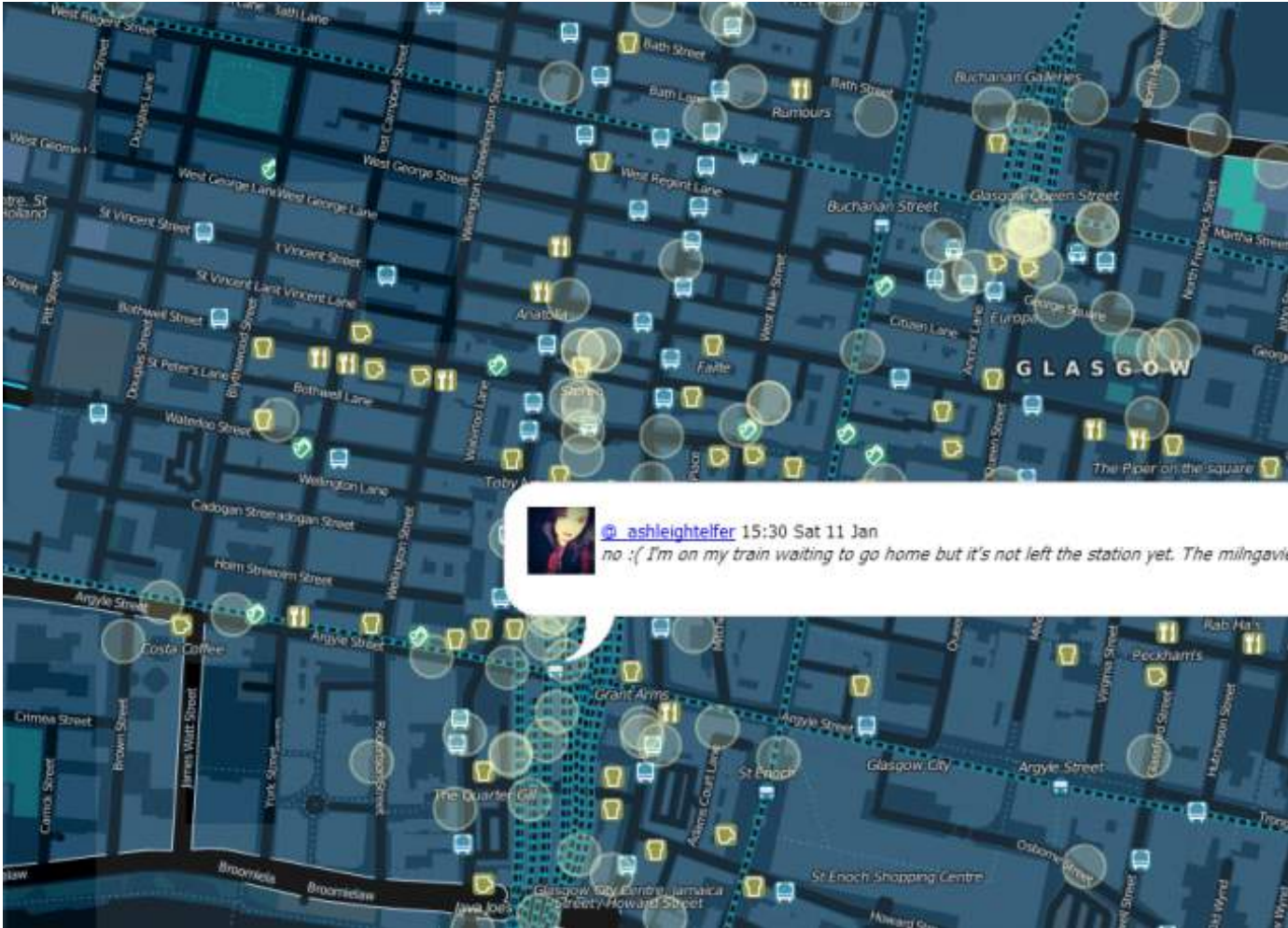
Source: LSE Mappiness

Commonplace, London Bridge Plan



Source: Commonplace

TransportBuzz



Source: Transport API

Opportunities

- Design for people
- Transparency and democracy
- Experimentation
- Understanding of the city
- Enable interdisciplinary working

Thank you