

Mind the gaps



OPEN DATA INSTITUTE
CALL FOR TENDER

A proposal that connects and/or encourages collaborative data innovation between French and UK cities.



OUR PROPOSAL

Mind the gaps

An open source web visualisation interface to highlight major inequality gaps as data narratives by showing where they happen, where the problem-solving resources are and what is the pathway between them all.

Partners

- The Open Data Institute
- Bristol City Council
- ~~City of Bordeaux~~





WHO WE ARE

A multi-disciplinary team with skills in:

FACILITATION

RESEARCH

DESIGN

CONTENT

DOCUMENTATION

TECHNOLOGY

Project principles

REPLICABLE

OPEN

ACCESSIBLE
INCLUSIVE

PARTICIPATIVE
ACTIONABLE

INDEPENDENT



Where we are now: End of work week 1

MAKING THE RIGHT THING

SNAPSHOT

5

Days on site

10

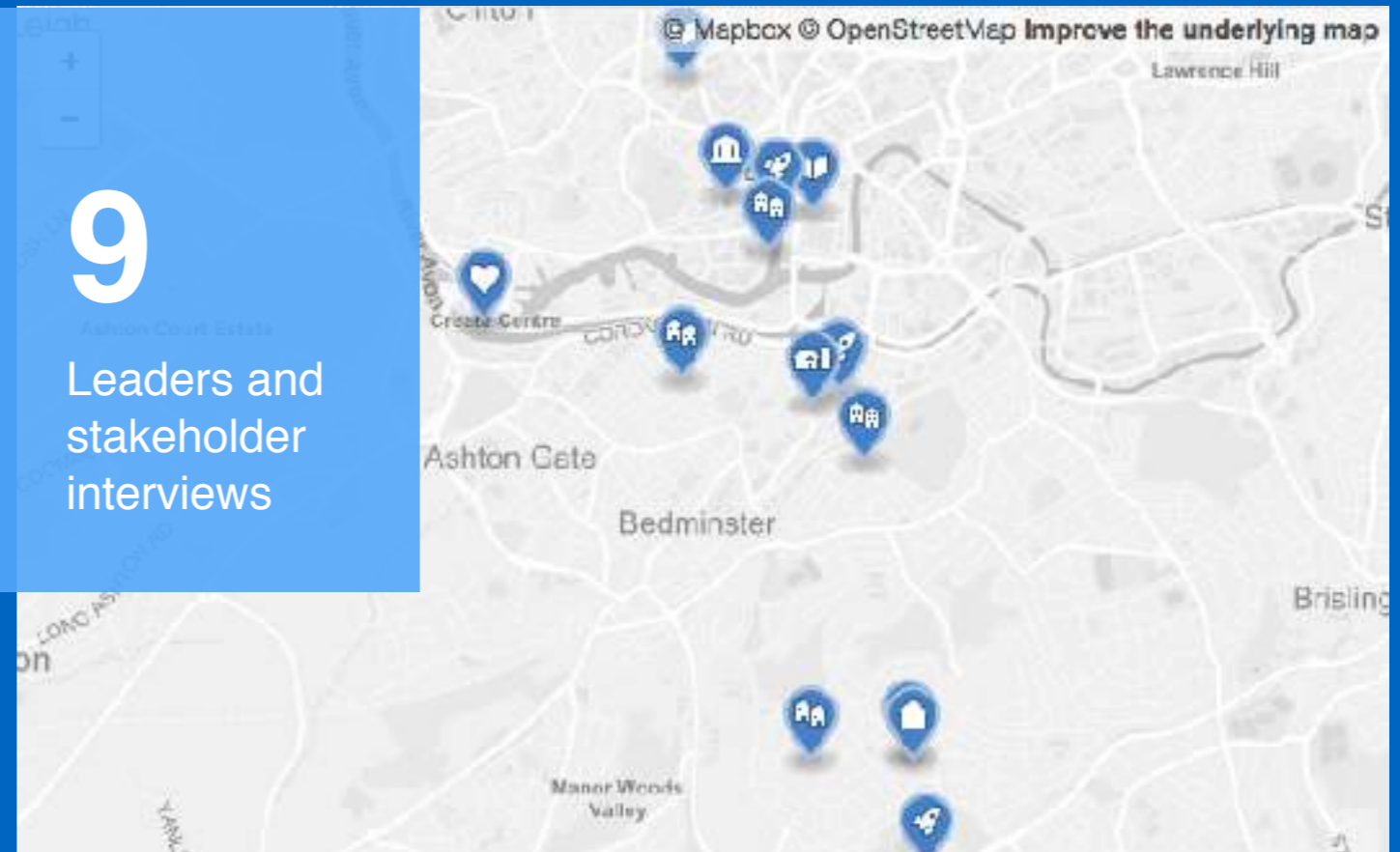
Places visited

10

Community Interviews

9

Leaders and stakeholder interviews



Framing the challenge



Bristol is a pioneer

Data driven city

#1 UK 'Smart City'

One City Plan
Co-design with citizens

Quality of life survey

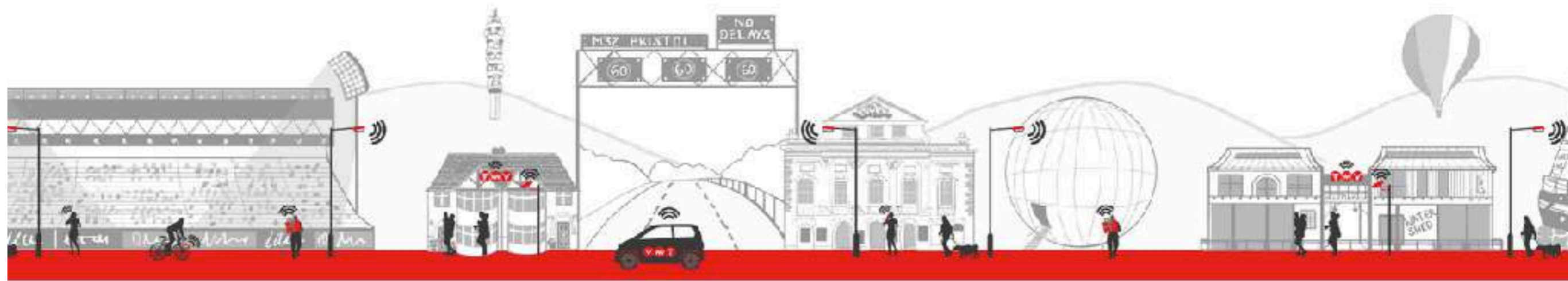
Run since 2001

A focus on human data
Inequality but also wellbeing

Happy city index

A commercial enterprise run by
Bristolians

A different way to measure
quality of life.



What is a smart city?

IoT sensors + Citizen sensing



8. In terms of crime and safety do you feel that, in the last 3 years, your neighbourhood has got better or worse? (tick one box)

A lot better 1 Better 2 No change 3 Worse 4 A lot worse 5

Have lived here less than 3 years 6

9. Do you agree or disagree with the following statements? (tick one box in each case)

	Strongly agree	Tend to agree	Neither / nor	Disagree	Strongly disagree
a) "I can influence decisions that affect my local area"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
b) "I can influence decisions that affect the public services I use"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
c) "In this neighbourhood people from different backgrounds (e.g. race, disability, social group) get on well together"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
d) "People treat other people with respect and consideration in my neighbourhood"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
e) "I feel I belong to my neighbourhood"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
f) "Locally, anti-social behaviour is a problem"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
g) "Fear of crime affects my day-to-day life"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
h) "People using drugs is a problem in this area"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
i) "Domestic abuse is a private matter"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
j) "Sexual harassment is an issue in Bristol"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
k) "Women's behaviour can attract and provoke domestic abuse"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
l) "Tackling violence against women and children should be a priority in Bristol"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
m) "Police and local public services are successfully dealing with issues of crime and anti-social behaviour in my area"	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

Quality of Life Survey

A UNIQUE DATASET

QUALITY OF LIFE SURVEY

Building successful places

A city of well-connected neighbourhoods with a strong sense of identity and belonging, that ensures that homes are increasingly affordable to all that need them including the most vulnerable.

I value your opinion. Please take time to tell me about life in Bristol – **Marvin Rees, Mayor of Bristol**

QUALITY OF LIFE SURVEY

Rich data and trend evolutions since 2001



Summary of Quality of Life indicator trends

2013 2014 2015 14-15 5 yr

A Flexible and Efficient Council

Indicator	2013	2014	2015	Trend
How satisfied / dissatisfied are you with the way Bristol City Council runs things? Satisfied	37%	36%	36%	● ● ●
How satisfied / dissatisfied are you with the way Bristol City Council runs things? Dissatisfied	29%	34%	34%	● ● ●
Do you agree / disagree Bristol City Council provides value for money? Agree	36%	37%	36%	● ● ●
Do you agree / disagree Bristol City Council provides value for money? Disagree	30%	35%	33%	● ● ●
Do you agree / disagree the mayor will improve / is improving leadership of the city? Agree	36%	40%	38%	● ● ●
Do you agree / disagree the mayor will improve / is improving leadership of the city? Disagree	22%	31%	32%	● ● ●
Do you agree / disagree... "I can influence decisions that affect my local area" Agree	26%	25%	26%	● ● ●

PEOPLE - Healthy and Caring Bristol

Indicator	2013	2014	2015	Trend
Overall, how satisfied are you with your life nowadays? Medium or high life satisfaction	70%	72%	74%	● ● ●
How has your health been in the last 12 months? Fairly good or good	67%	69%	68%	● ● ●
How often do you take 150 min moderate or 75 min vigorous exercise? Every week **			55%	● ● ●
How often do you participate in active sport? At least 1 x week	46%	49%	48%	● ● ●
Does anyone smoke in your household? Yes	22%	20%	18%	● ● ●
How many portions of fruit and vegetables did you eat yesterday? 5 or more	40%	52%	50%	● ● ●
How often are there 2 or more days in a row when you do NOT drink any alcohol? Every week ***			40%	● ● ●
How satisfied / dissatisfied are you with activities for children and young people? Satisfied ***			47%	● ● ●

Community Safety and crime

Indicator	2013	2014	2015	Trend
Do you agree / disagree with the following statements? "Fear of crime affects my day-to-day life" Agree	16%	15%	12%	● ● ●
Do you agree / disagree with the following statements? "Locally, antisocial behaviour is a problem" Agree	30%	27%	24%	● ● ●
How safe / unsafe do you feel outdoors in your neighbourhood after dark? Feel safe ***	67%		70%	● ● ●
"Police and local public services are successfully dealing with issues of crime and anti-social behaviour"	37%	32%	30%	● ● ●
How big a problem do you think noise from residential neighbours is in your neighbourhood? Problem	41%	35%	32%	● ● ●
Do you agree / disagree with the following statements? "Domestic abuse is a private matter" Agree	12%	7%	7%	● ● ●

Community

Indicator	2013	2014	2015	Trend
Do you agree with the following statements? "I feel I belong to my neighbourhood" Agree	59%	58%	52%	● ● ●
On this neighbourhood people from different backgrounds (eg race, disability, social...) get on well together"	61%	61%	63%	● ● ●
How often do you do voluntary work or help out in the community? At least 3 x a year **			52%	● ● ●

PEOPLE - Keep Bristol Working and Learning

Indicator	2013	2014	2015	Trend
Are you in receipt of a means tested benefit? Yes	13%	11%	11%	● ● ●
Do you need to develop your skills in English, Maths, Computer, Employability or Technical? Yes ***			33%	● ● ●
If needed, do you know where to get information, advice & guidance about employment & training? Yes ***			61%	● ● ●
How well would you say you are managing financially these days? Finding it quite / very difficult	15%	13%	12%	● ● ●

PLACE - Keep Bristol Moving

Indicator	2013	2014	2015	Trend
Over the past 2 years your neighbourhood has got worse... for traffic congestion ***			57%	● ● ●
On a typical mid-week day what is your main form of transport to work? Cycle	10%	16%	15%	● ● ●
On a typical mid-week day what is your main form of transport to work? Car (driver)	48%	41%	44%	● ● ●
On a typical mid-week day what is your main form of transport to work? Bus	11%	12%	13%	● ● ●
On a typical mid-week day what is your main form of transport to work? Walk	17%	20%	19%	● ● ●
How satisfied / dissatisfied are you with the bus service? Satisfied	46%	50%	50%	● ● ●

PLACE - Building Successful Places

Indicator	2013	2014	2015	Trend
How satisfied are you with your local area as a place to live? Very / fairly satisfied	63%	62%	62%	● ● ●
Neighbourhood better in the last 2 years	23%	24%	27%	● ● ●
Neighbourhood worse in the last 2 years	19%	21%	18%	● ● ●
How big a problem do you think street litter is in your neighbourhood? Problem	77%	73%	74%	● ● ●
How satisfied / dissatisfied are you with the fortnightly general household waste service? Satisfied	70%	72%	72%	● ● ●

PROSPERITY - Green Capital

Indicator	2013	2014	2015	Trend
How satisfied / dissatisfied are you with the quality of parks & green spaces? Satisfied	84%	83%	82%	● ● ●
How satisfied / dissatisfied are you with the weekly recycling service? Satisfied		79%	77%	● ● ●
How concerned are you about the impact of climate change in the UK? Fairly / very concerned	67%	71%	74%	● ● ●
Action taken due to climate change concerns: Changed the way I travel		18%	32%	● ● ●
Action taken due to climate change concerns: Reduced my household waste		51%	56%	● ● ●
Action taken due to climate change concerns: Reduced energy use at home		47%	51%	● ● ●
Action taken due to climate change concerns: Eaten less meat and dairy produce		17%	19%	● ● ●

PROSPERITY - Vibrant Bristol

Indicator	2013	2014	2015	Trend
How satisfied / dissatisfied are you with the range and quality of outdoor events in Bristol? Satisfied	64%	64%	61%	● ● ●
How satisfied / dissatisfied are you with museums and galleries? Satisfied	75%	73%	70%	● ● ●
How satisfied / dissatisfied are you with libraries? Satisfied	67%	66%	60%	● ● ●

a) Blue text denotes Corporate Plan indicators.
 b) ** = indicator has been re-worded such that it can no longer be compared to past trends.
 c) *** = a new (or re-initiated) indicator in the 2015 survey.
 d) 2010 to 2014 results are weighted by mid-2013 population using the 1999-2015 ward boundaries. 2015 figures are weighted by mid-2014 population using the new 2016 ward boundaries.

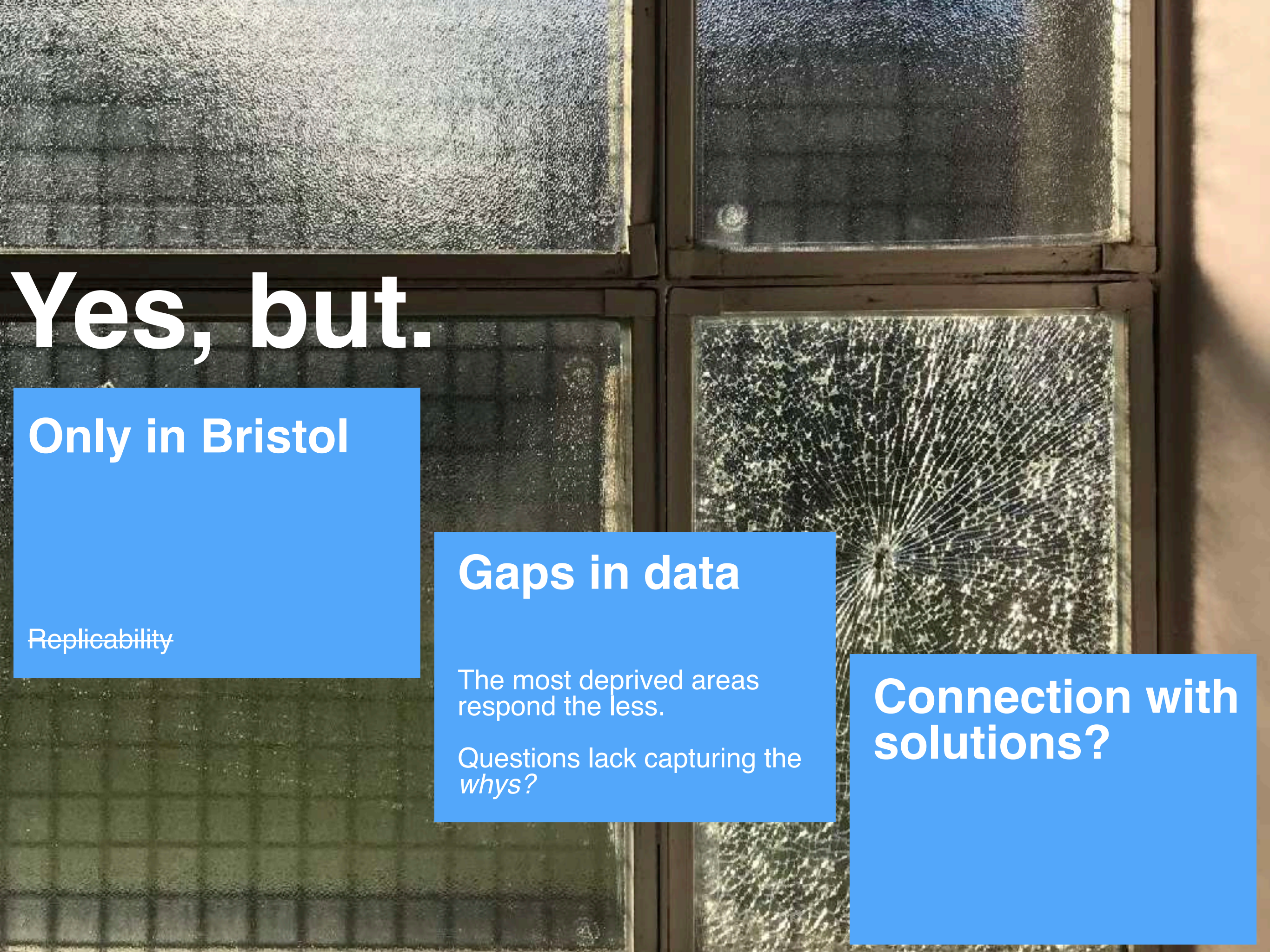
KEY	
↑ increased percentage	● worsening trend
● no significant change	● neutral
↓ decreased percentage	● improving trend

QUALITY OF LIFE SURVEY

Why such a rich resource?

Measures things that are rarely collected and measured.
Completes the picture of official statistics.

The survey includes an open question which is rife with information about citizen concerns.



Yes, but.

Only in Bristol

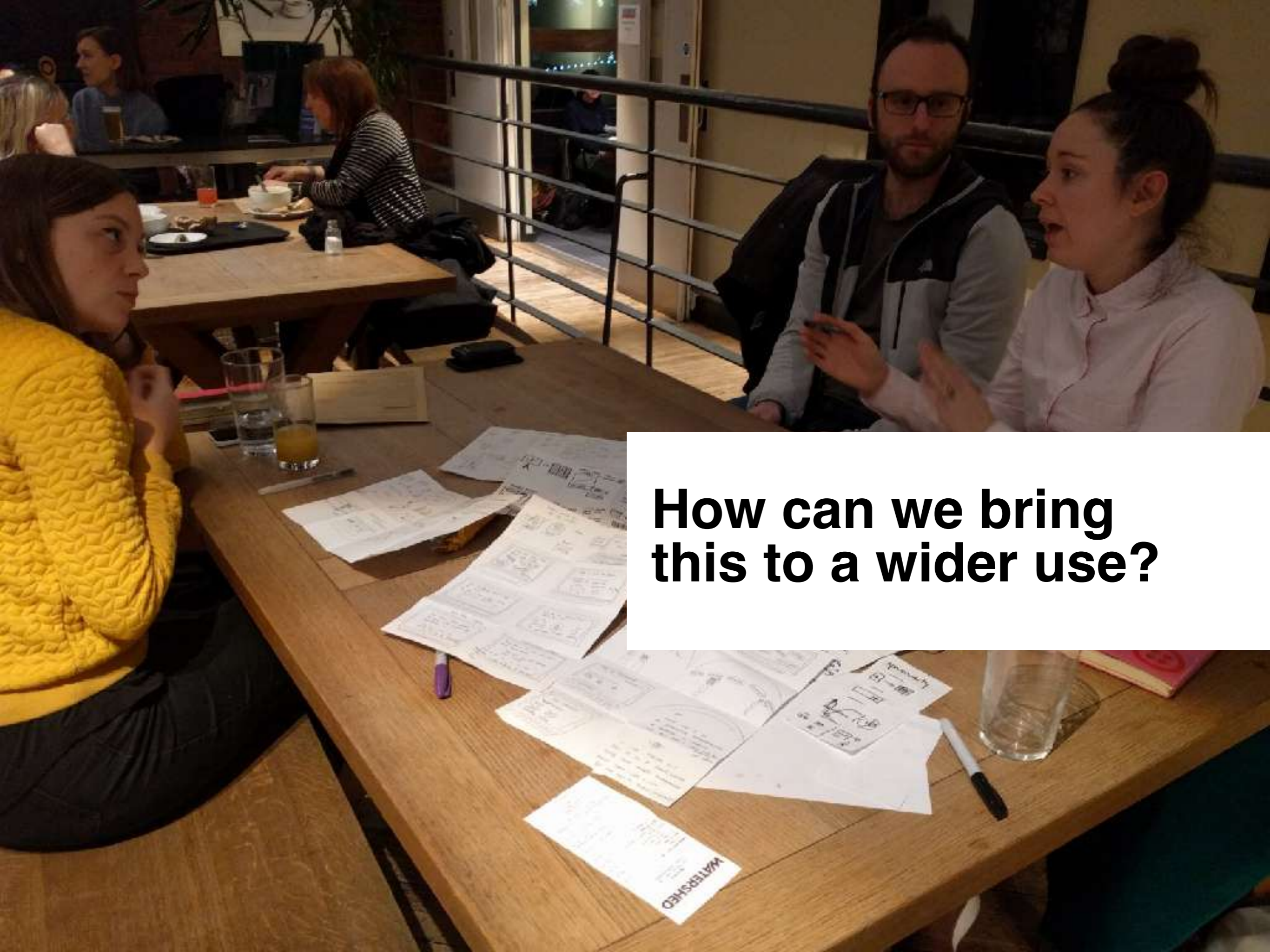
Replicability

Gaps in data

The most deprived areas
respond the less.

Questions lack capturing the
whys?

**Connection with
solutions?**



**How can we bring
this to a wider use?**

Our new value proposition



Data collection

Sensitive, live 'survey' close to citizen needs (Housing vs. My home)

Data visualisation

Of inequalities/wellbeing in the city

Hands-on tool

For communities, community activists, local governments. With a dual purpose



SOMETHING THAT WORKS FOR EVERYONE

Very few people measure Wellbeing.

- ✓ involves local authorities, make this a useful tool for policy making?
- ✓ involves citizens, makes them feel like they have their say
- ✓ shows them results in their neighbourhood and makes them feel closer to policy makers?

Mind the Gaps could **provide a framework for a similar survey to be run across UK and French cities.**

Project opportunities



Jean Golding Institute

Participative citizen workshops (a way to learn about data), inter-disciplinary research.

London School of Economics

“Data & Society” Master students research project.

Bristol City Hall

Independent citizen sensing with regular updates and near live results.

Open North

Urban resilience issues research driven by open data.



Next steps

A survey

Designing questions to draw a picture of major ward concerns.

Data collection framework

collaboration with multidisciplinary researchers (Jean Golding)

Workshops

Live events in mediation venues (We the Curious, Cap Sciences, Community Centres)

WHAT'S NEXT UNTIL END OF FEB?

Mind the gaps

Prototyping, testing, analysing.

Thank you :-)

