London Borough Data Partnership Meeting #3

City Hall

22 May 2015

9:30 – 12:00, Committee Room 1

Agenda

9.30 Welcome & Introduction

Andrew Collinge, Assistant Director of GLA Intelligence Unit

9.35 Andrew Collinge

GLA data activity: 2050 Infrastructure Plan/Innovate UK and more!

9.50 Lola Fernandez-Redondo, Digital Greenwich

Horizon 2020 European Commission bid and Greenwich data-led initiatives.

10.10 Lawrence Hopper, Open Data Policy Manager, Cabinet Office

The NII**:** a national open set of data that describes the society we live in.

10.30 break

10.40 Alan Lewis, GLA Intelligence Unit

Everyone loves a sharer! What data should we share and why?

11.20 Stephen Blackburn, Leeds City Council

Leeds Datamill: challenges and proving its value

11.40 Paul Hodgson, GLA GIS Manager

MyLondon: a preview of our brand new web app built on the London Datastore.

12.00 Close

DIGITAL GREENWICH

Greenwich: Towards a Smart & Digital Borough

Borough Data Partnership Meeting – 22 May 2015

DIGITAL GREENWICH

OUTLINE

Introduction to **DigitalGreenwich**

RBG/GLA Collaboration

Enhancing & helping to develop the London Datastore

- Energy-efficient cities
- Digital Clusters

DIGITAL GREENWICH

Mission

To position the Royal Borough of **Greenwich** as a leader in **Smart City Innovation**, and to support the *economic, social and spatial* **Regeneration** of the Borough.

To help the Royal Borough of Greenwich **address the challenges** of accommodating significant **growth**:

- Increasing & ageing population,
- businesses and visitors,
- increased demand for services,
- minimise the impact on physical, natural and financial resources.

DIGITAL GREENWICH

Vision: **Citizen-Centric**

RBG's Vision: ***Citizen Centric*** and ***Forward Looking***

Resilient, Resource-Efficient, Responsive Borough where:

- **All citizens** are **key engaged stakeholders**.
- **Businesses** are **partners** in the growth and well being of the community
- **The Local Authority** becomes the key "facilitator" of the smart city vision.

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Smart City/**Digital Strategy**

Digital Infrastructure

Transform Public Services:

Transform Neighbourhoods:

Smart Council

Royal Borough of Greenwich

Vision/Leadership

Digital Greenwich

Business Growth

Transform Skills:

Skills

Transform the Greenwich Economy:

DIGITAL GREENWICH

RBG/GLA Collaboration **DATA**

Smarter & more Meaningful USE of City's DATA

More **Resilient, Smart, Inclusive and Resource-Efficient Cities**

Objectives:

- Allow **Citizens** to take **informed decisions**
- Assist **City Managers** in their decision-making processes
- Provide the **Business Community** with new Opportunities for Market Development

RBG/GLA Collaboration around:

- **Capture real-time city DATA**
- **Integrate & Display it in the London Datastore – Open data**

Enhancing the London Datastore – Project 1

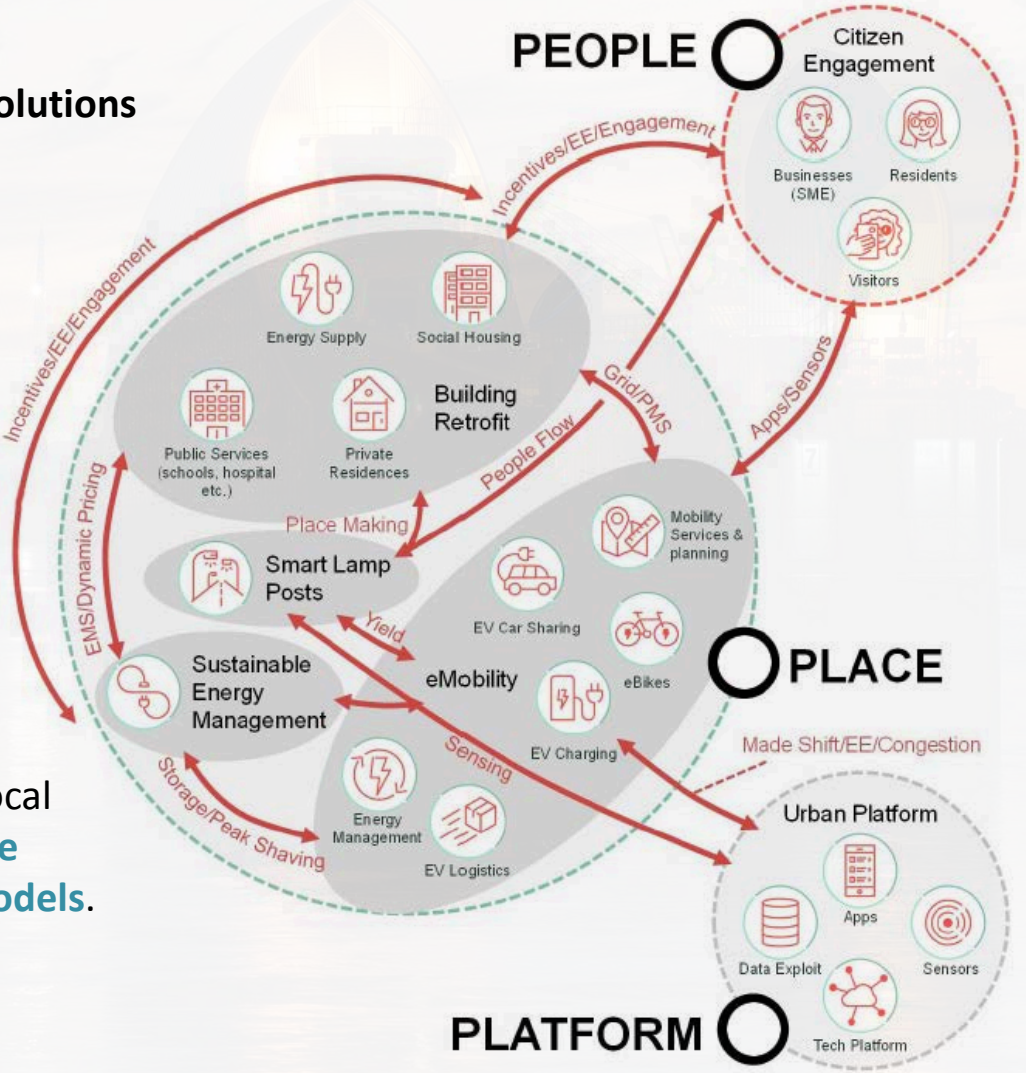
Energy Efficient Cities – towards zero carbon districts

GLA/Greenwich H2020 Bid

Replicable Smart Cities & Communities **Solutions**
Integrating Energy - Transport - ICT

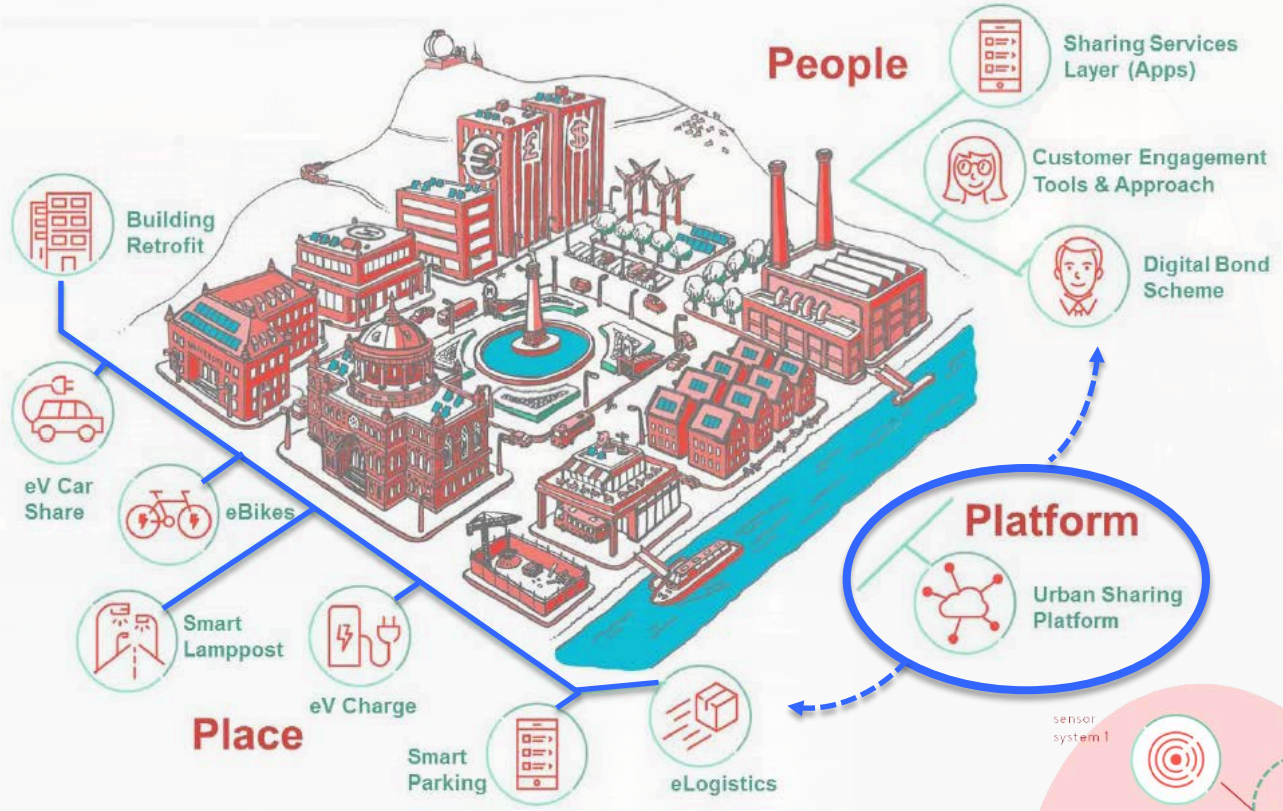
Digital First: technology layer – data-driven approach, to optimise cities' existing infrastructure
And deliver the next generation of public services

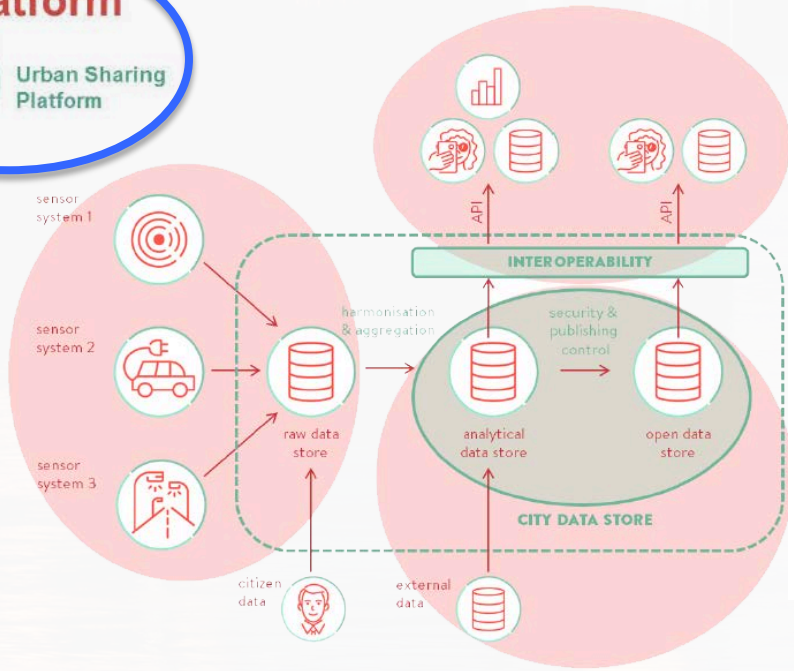
Collaborative & Connected Communities
Enhance **Citizen Engagement** and assist local authorities to adopt **more efficient service delivery and participative governance models**.



Enhancing the London Datastore – Project 1

Energy Efficient Cities – towards zero carbon districts





Urban Sharing Platform

DIGITAL GREENWICH

Enhancing the London Datastore – Project 2

Digital Clusters SMEs Enhancement and **Emerging Value Chains**

SME Platform for Resolving Urban Challenges at the European Level

Create **Digital Cluster** based on **new Emerging Value Chains** to provide **Solutions** to complex **Urban Challenges.**

Wide range of key elements – eg. Data collection, visualisation, analytics systems, IoT, robotics, automation, rapid prototyping – where no one SME provides the complete solution.

Create a **Digital** (cloud based) **Collaborative Environment** or **Co-creation Space** that facilitates and leverages the co-creative and collaborative potential of different stakeholders involved in value creation and innovation.

Generate a **Digital Platform** that facilitates cross-sectoral & trans-territorial networking by SMEs to ultimately **address the basic needs of the city**

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Enhancing the London Datastore – Project 2

Smart City **SMEs Enhancement** and **new Emerging Value Chains**

The upshot is a collaboration with London Datastore to create:

- A secure platform, **developed** and **managed** by the **Greater London Authority** under the auspices of the **London Data Store** in collaboration with other cities.
- A platform based on **Open, Interoperable Standards** to enable a distributed model to develop as/when partners feel confident/need to.
- The **Space** where **City Stakeholders** **articulate** their **Challenges/needs,** set out **Priorities** for **Innovation/Transformation** and **Develop Solutions in** the form of **Pilot Demonstrators.**
  - To help drive collaboration between SMEs
  - To provide the business case & evidence to city authorities of the economic case for scale-up or roll out – to create market opportunity

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RBG/GLA Collaboration

Evolution of the London Datastore

Working towards :

co-creation/co-development of the **LONDON DATASTORE 2.0**

(London Data Store – today)

A library of **static data sets**

(The Future of the London Data Store)

Co-creation Space where **Real-time data** is collected and integrated, informed by predictive analytic systems, and **open to all city stakeholders**

A **Smarter,** more **Sustainable**, **Resilient** & **Resource-Efficient** **London**

DIGITAL GREENWICH

Thank you

Lola Fernandez-Redondo
Sustainable Development adviser @ Digitalgreenwich
Smart Cities Coordinator @ Royal Borough of Greenwich

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Lola.fernandez-redondo@royalgreenwich.gov.uk

Cabinet Office

Lawrence Hopper
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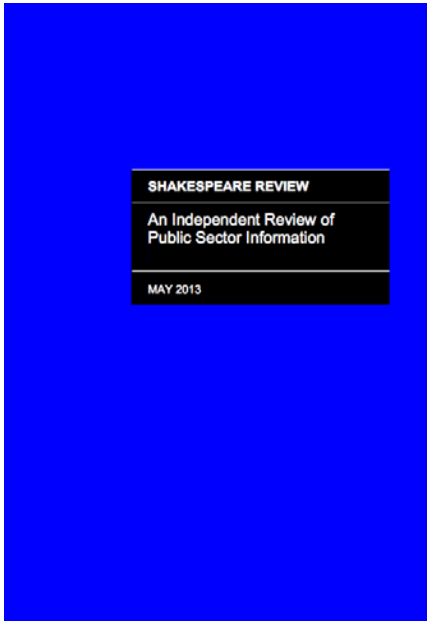


The Shakespeare Review (2013) recommended ‘twin track’ publishing the most important data with higher quality

NII emerged from user needs, who identified obstacles to use of open data:

- Key data hard to find
- No standards applied to the data
- No reliability on publication schedules
- Lack of APIs

The NII is the result of a four month discovery process

Launched in March 2015

3 exemplars - Health, Transport and Environment

Identified their NII based on the new principles and helped us test the implementation document

The NII uses two types of categories to identify data:

- **Core data:** data that defines something in a domain, without it, you could not explore a domain accurately (e.g. location)

- **Subject data:** data that provides further attributes of the thing being identified (e.g. cost, types of equipment)

Search for data...

or conduct map based search

PUBLISHED STATUS

Published datasets (58)

NII DATASETS

Show NII datasets

LICENCE

Open Government Licence (55)

Non-Open Government Licence (3)

THEME

Health

RESOURCE FORMAT

CSV (35)

58 Results

Sort by: Popularity

Hospitals

Health

NHS Choices

NII CSV PDF xsv

This report contains information about hospitals in England. NHS Choices considers hospitals as locations that provide predominantly inpatient services.

GP practices and surgeries

Health

NHS Choices

NII CSV PDF xsv

Name, address and contact details for GP branches in England This file contains a list of active GP branches. The data is aligned with ODS GP data so the identifier is the ODS code for...

GP Services

Health

NHS Choices

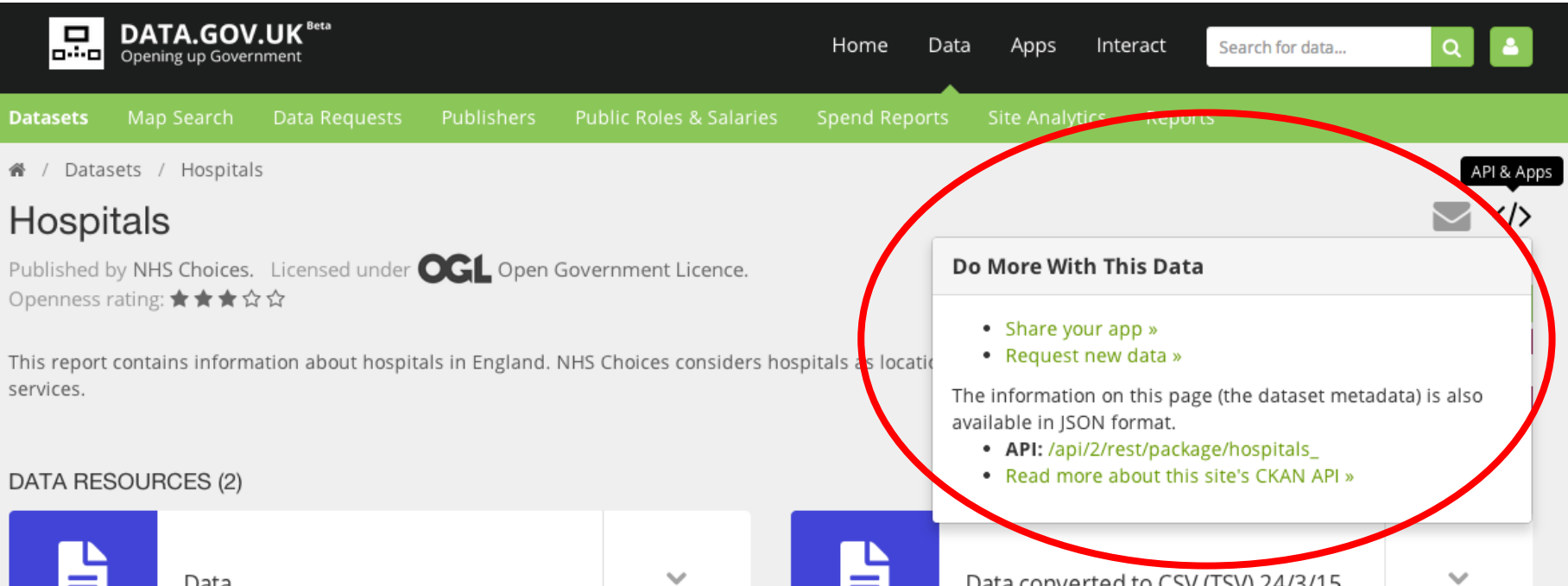
NII CSV PDF xsv

This report contains GP branches and the clinical services they provide. This report mirrors the services on the GP profile pages on NHS Choices and indicates services that most GP...

NHS Trusts

Health

Data API is being deployed for all NII datasets



Next steps on NII

- Work with other departments to iterate and populate the NII
- Fully deploy data API across all datasets
- Provide resolvable registry for vocabularies (linked data)

Cabinet Office

Lawrence Hopper
Transparency and Open data
Cabinet Office

lawrence.hopper@cabinetoffice.gov.uk

Borough Data Partnership

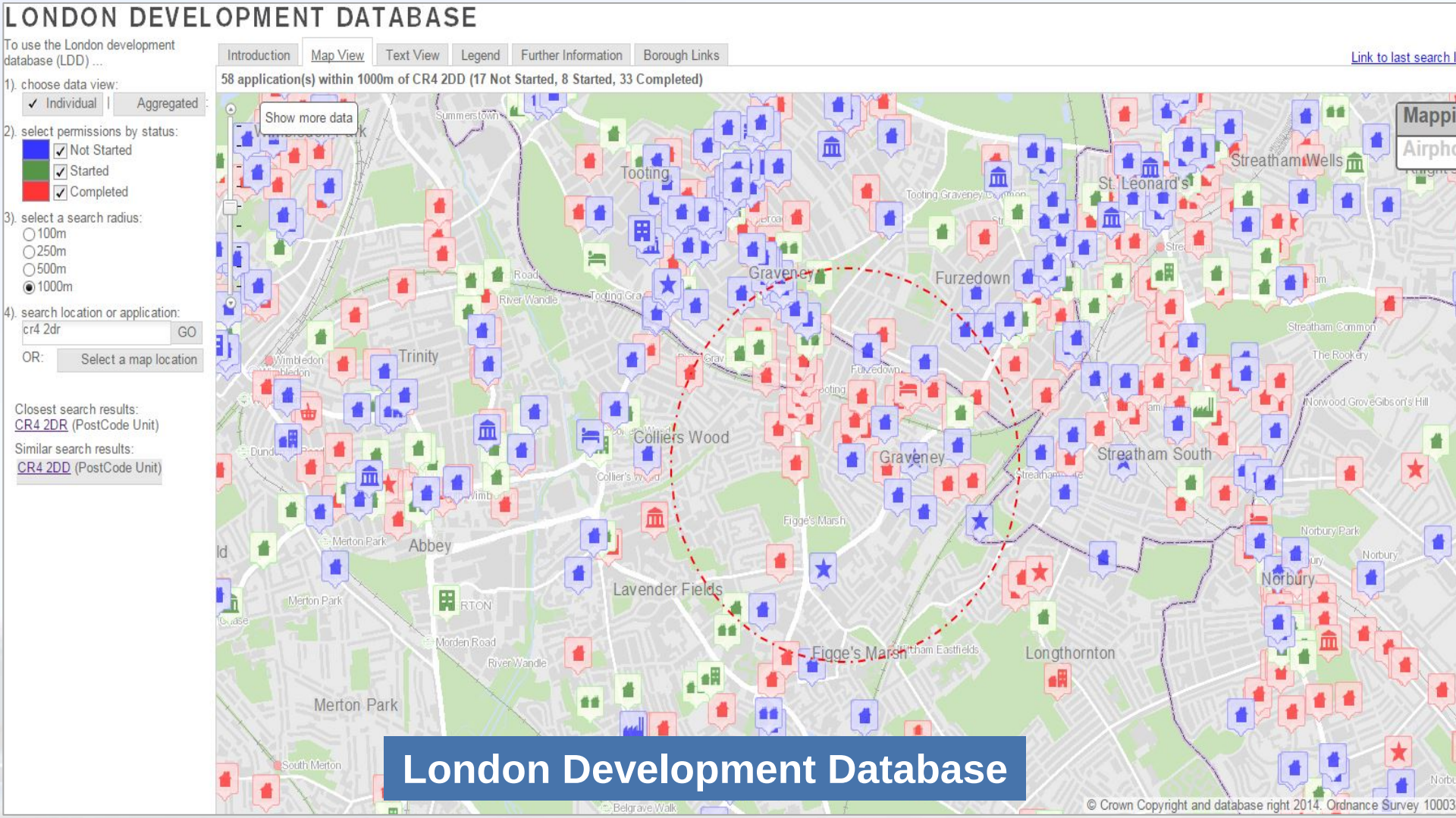
Meeting #3

22/5/15

GREATER LONDON AUTHORITY

Everyone loves a sharer!
GREATERLONDONAUTHORITY

We're already sharing!



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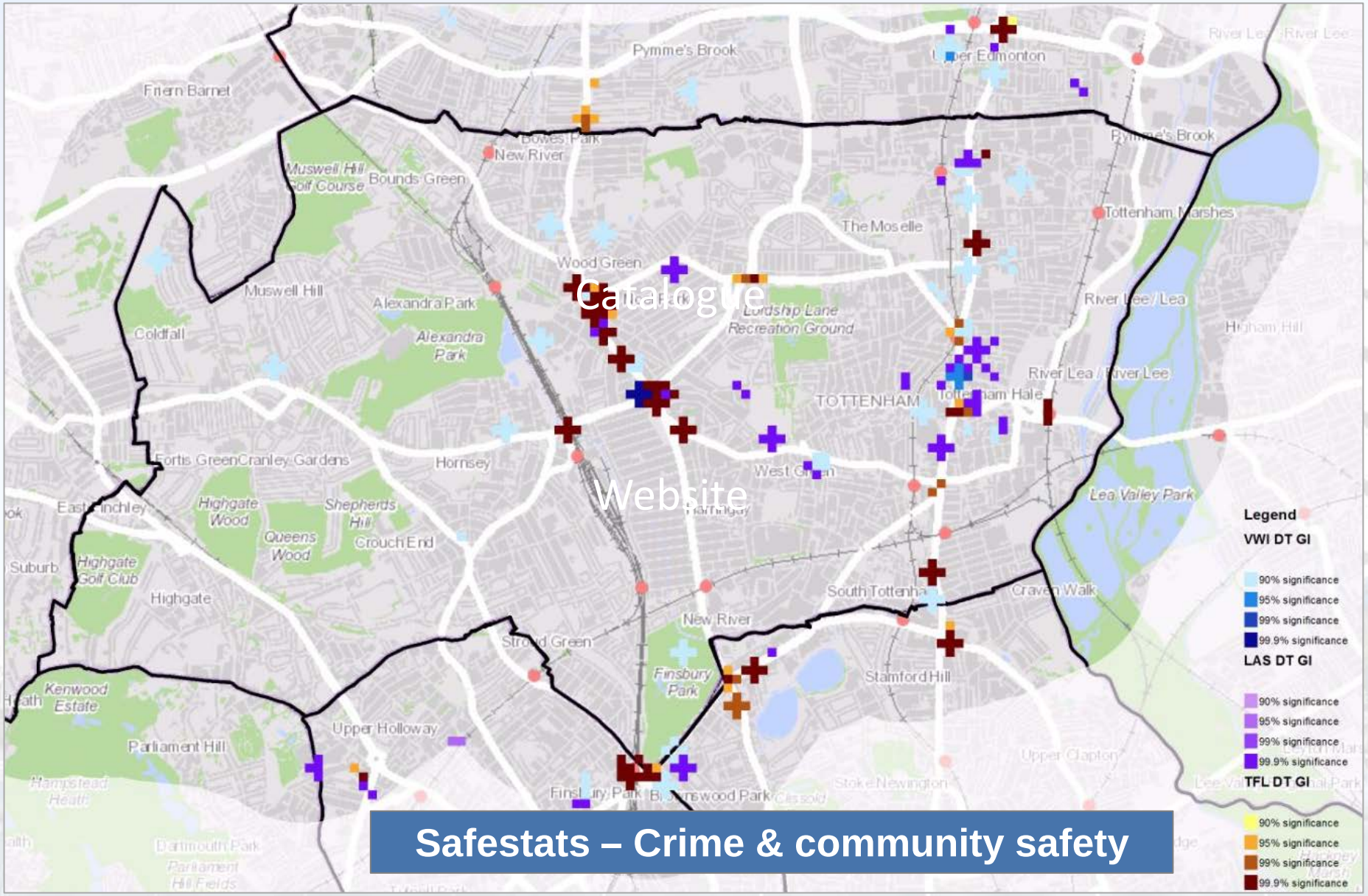


We're already sharing!

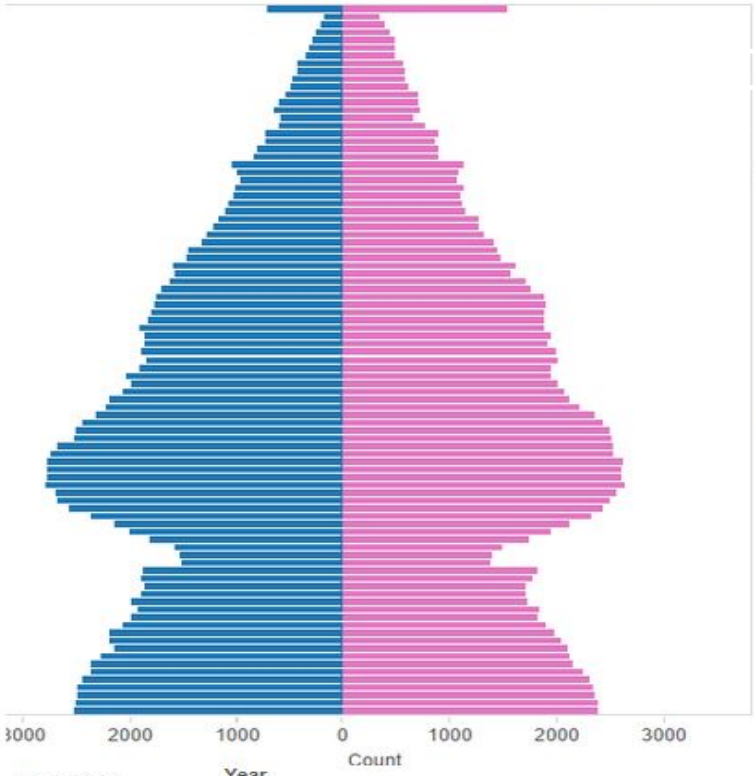
GLAINTELLIGENCE DEMOGRAPHY

Clicking on a borough on the map will:

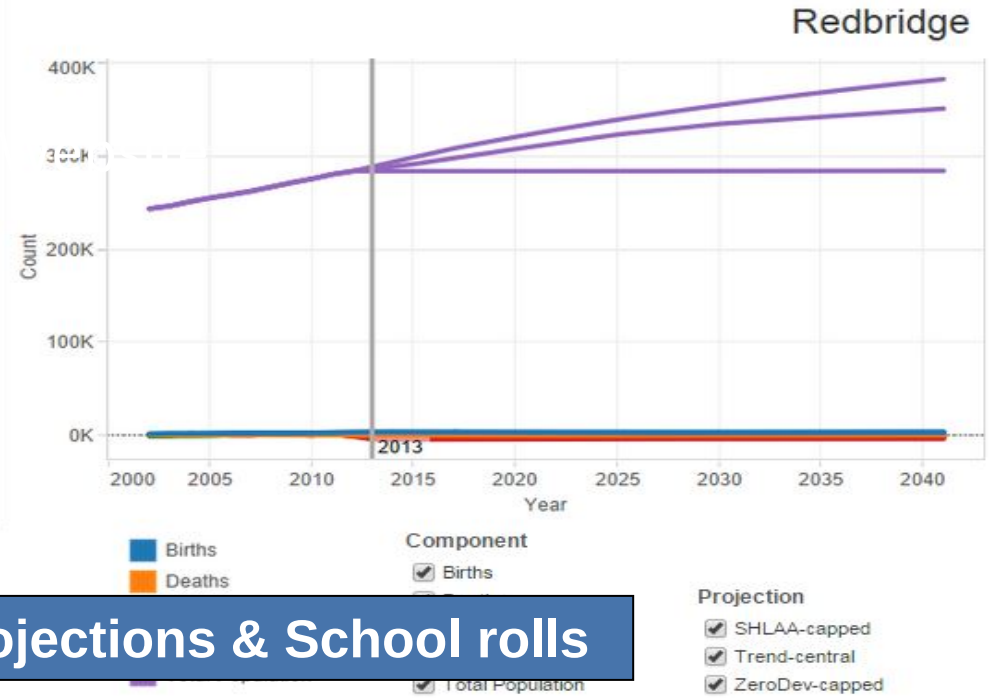
* Change the population pyramid to represent that borough - from there you can change the projection and the year.

* Show components of change and total population for all three projection sets - from there you can select which component and projection to view.

* Allow you to view the ward map and associated projections and data.

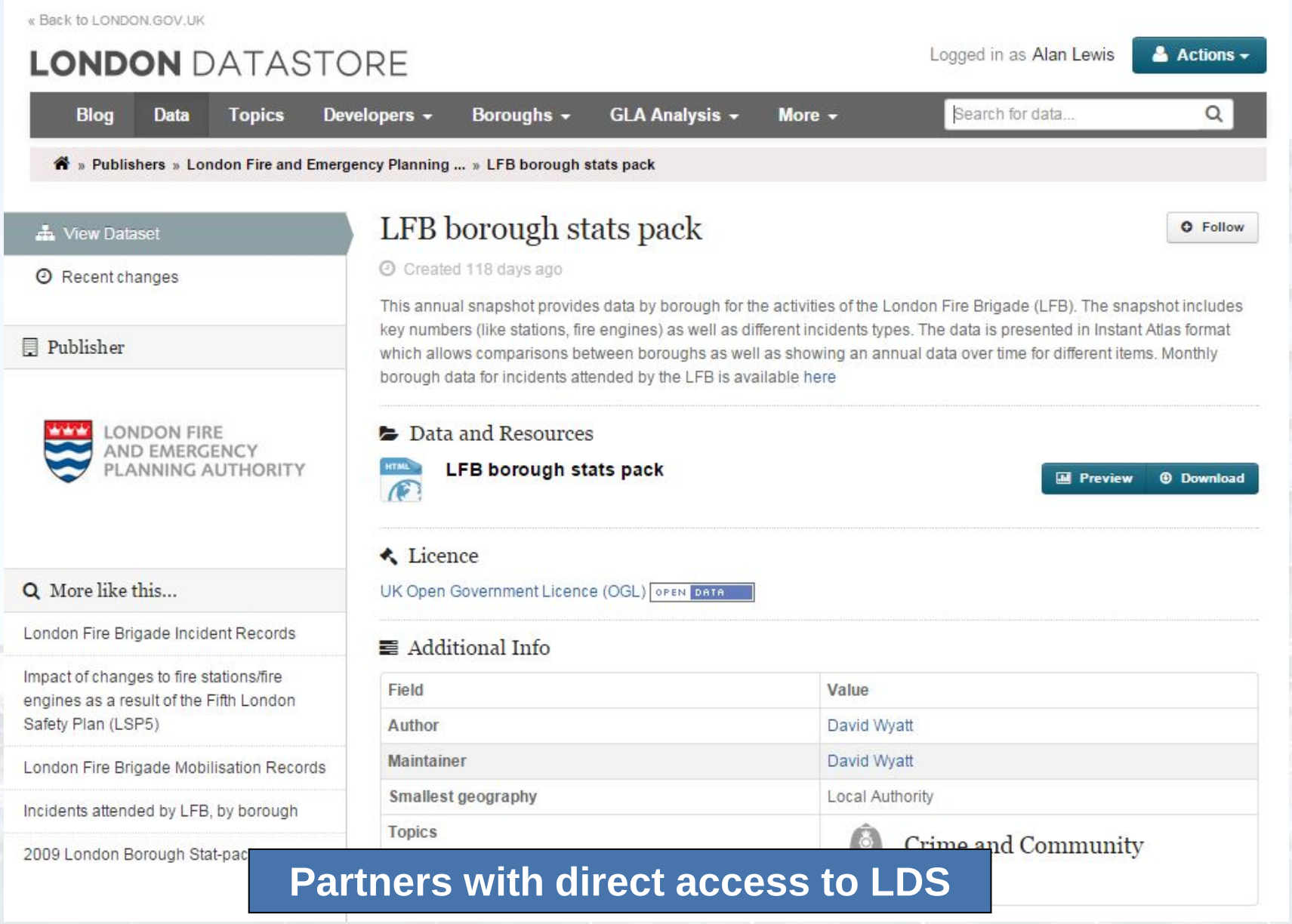


atalogue



Demographic projections & School rolls

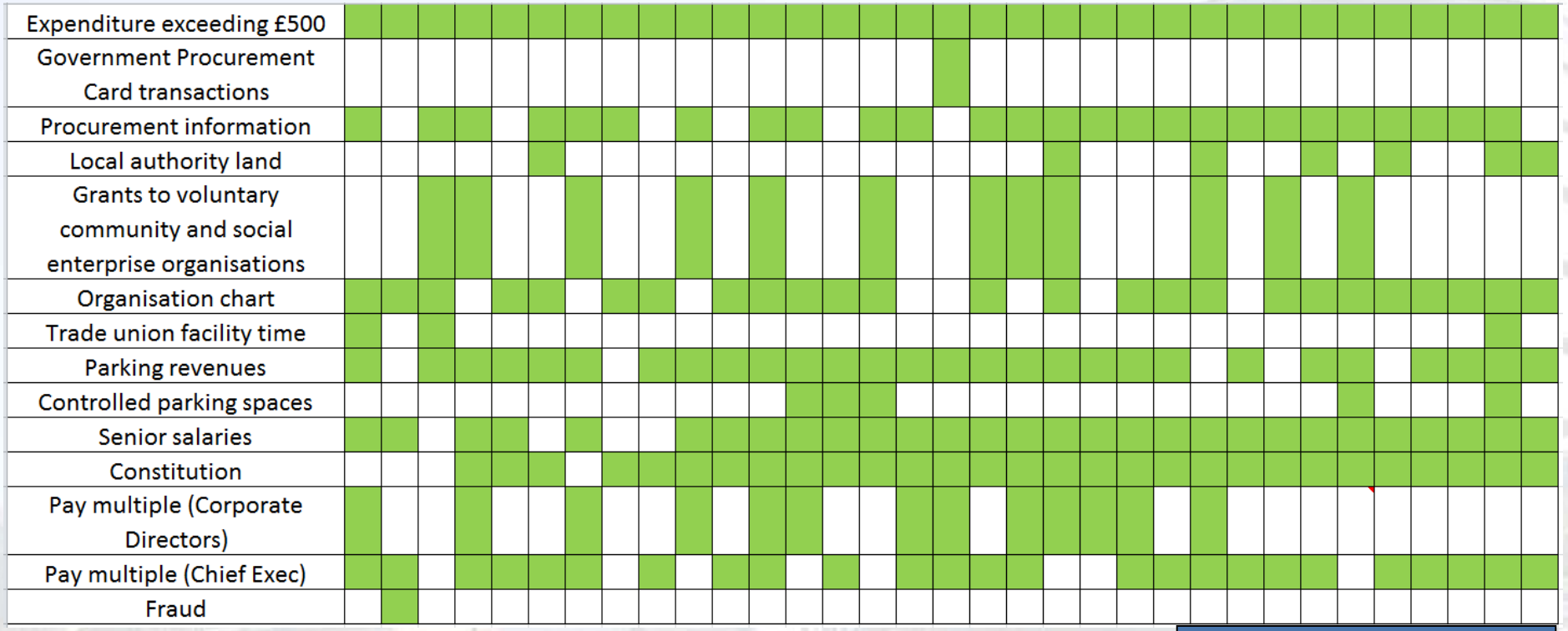
We're already sharing!



Partners with direct access to LDS

London Transparency data

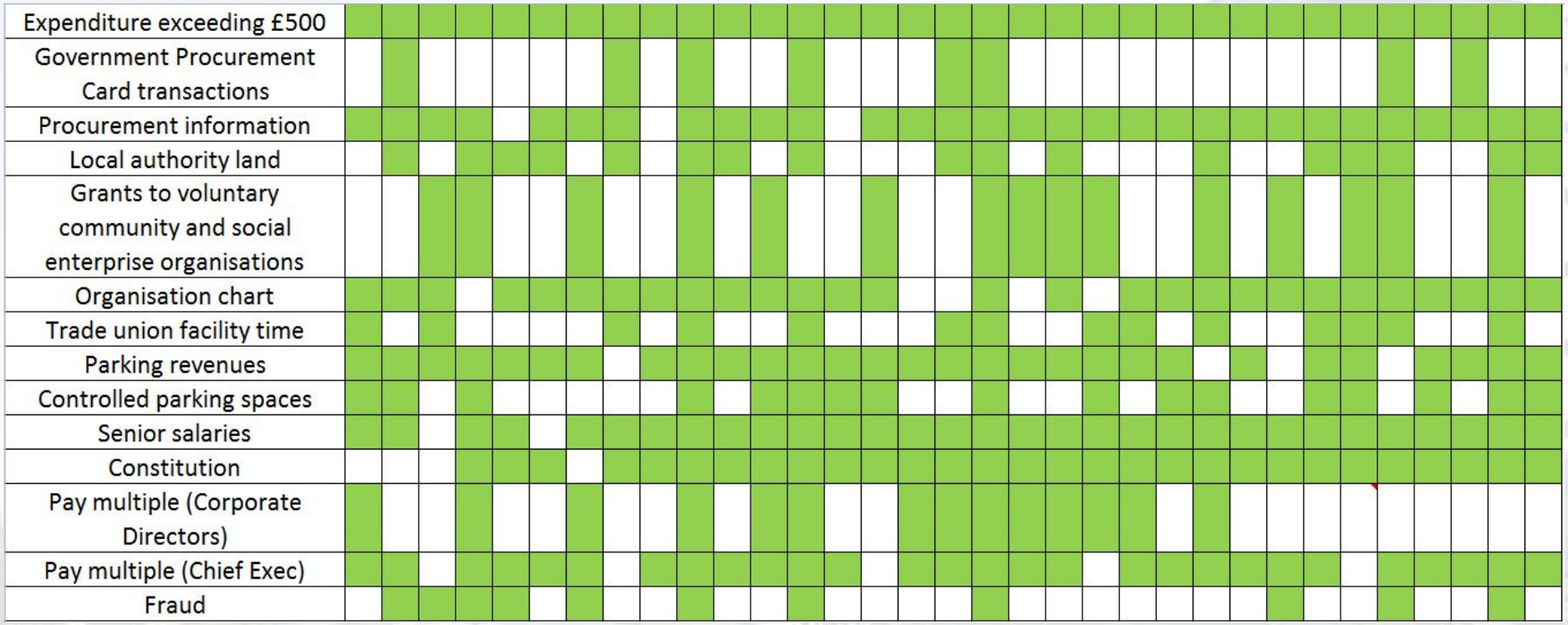
- **DCLG published Local Government Transparency Code in May 2014** (amended in Feb to inc. housing stock)



November 2014

London Transparency data

- **DCLG published Local Government Transparency Code in May 2014** (amended in Feb to inc. housing stock)



April 2015

- **Nov14 = 50% Apr15 = 65%**

London Transparency data

- **We thought we'd have a go at producing a pan-London dataset!**

- **Expenditure (>£500):**
  - over a billion £ a month
  - max = £ 90 million
  - 31 LBs using one supplier
  - around ½ using GL Fostering/Cranstoun Drug service
  - Top 10:

GLA	DCLG
Transport Trading	Ascham Homes
Elevate East London	Barnet Group
Capita	Veolia
Comensura	Lakehouse contracts

London Transparency data

- **Some issues:**

  a) file formats: xls/csv/pdf
  b) data structure (headers, worksheets, columns)
  c) descriptions used (data dictionary needed)
  d) time period available
  e) naming conventions

- **LGA schemas on how data should be structured:**

  http://transparency.opendata.esd.org.uk/

- **Will get easier and plan to automate this process by scrapping the data from backend datastores where we can**

but…we'd like us all to share more?

1. What datasets do you already publish? (5mins)

2. What datasets do you think your Chief Exec would like you to publish? (5mins)

3. What datasets you would like to have pan-London? (10 mins)

Vote for your top 3. (5 mins)

What are the benefits/challenges? (5mins)

Practical next steps

- take stock of the information today and feedback to you
- Dig into a few more the popular datasets and understand some of the challenges (licences/standards/timeliness)
- What's already happening in this area? Are there standards we should adopt?
- Further workshops with subject experts
- Political buy-in, senior management and officer level support

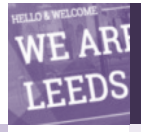
Leeds Data Mill

Stephen Blackburn
Information Governance

stephen.blackburn@leeds.gov.uk
@StevieBYorks

Governance

- Agenda managed by the Information Governance Team
- Open data principles
- Publishing guidelines
- Anonymisation guidelines

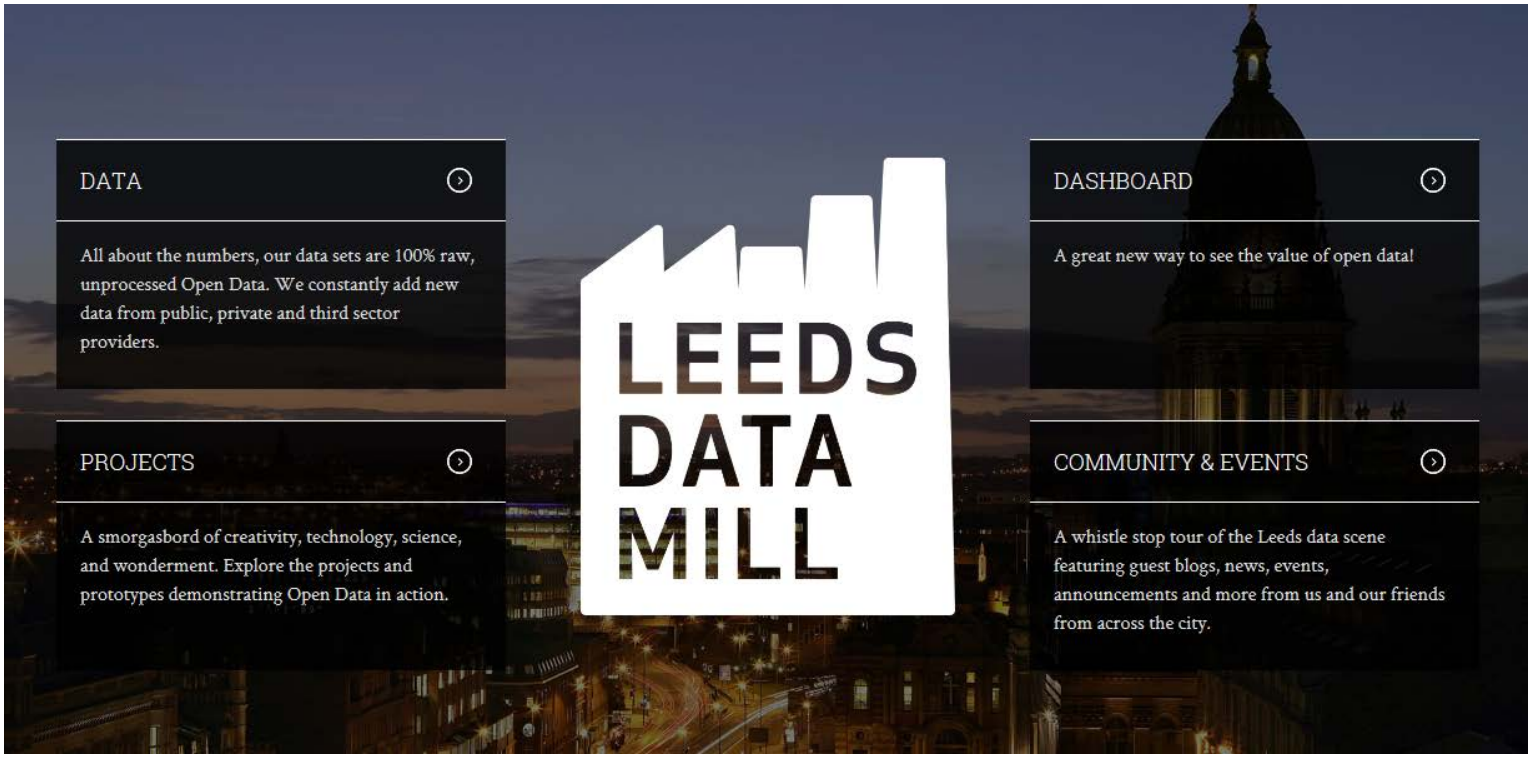


Leeds' ambitions - *Not just a council platform!*

YorkshireWater
Leeds
CITY COUNCIL
WE ARE LEEDS
Department for Communities and Local Government
LEEDS ARTCRAWL
LEEDS DATA MILL
NORTHERN POWERGRID
LEEDS DATA MILL
Leeds and York Partnership NHS
NHS Foundation Trust
uk sport
West Yorkshire
Fire & Rescue Service
Superfast West Yorkshire
WEST YORKSHIRE
COMBINED AUTHORITY

Leeds Data Mill

@LeedsDataMill



Not just data!

- **A community focus**
- **How can data improve the lives of citizens and communities?**
- **Steering Group**
- **Education / Challenges / Badges**

Making data real

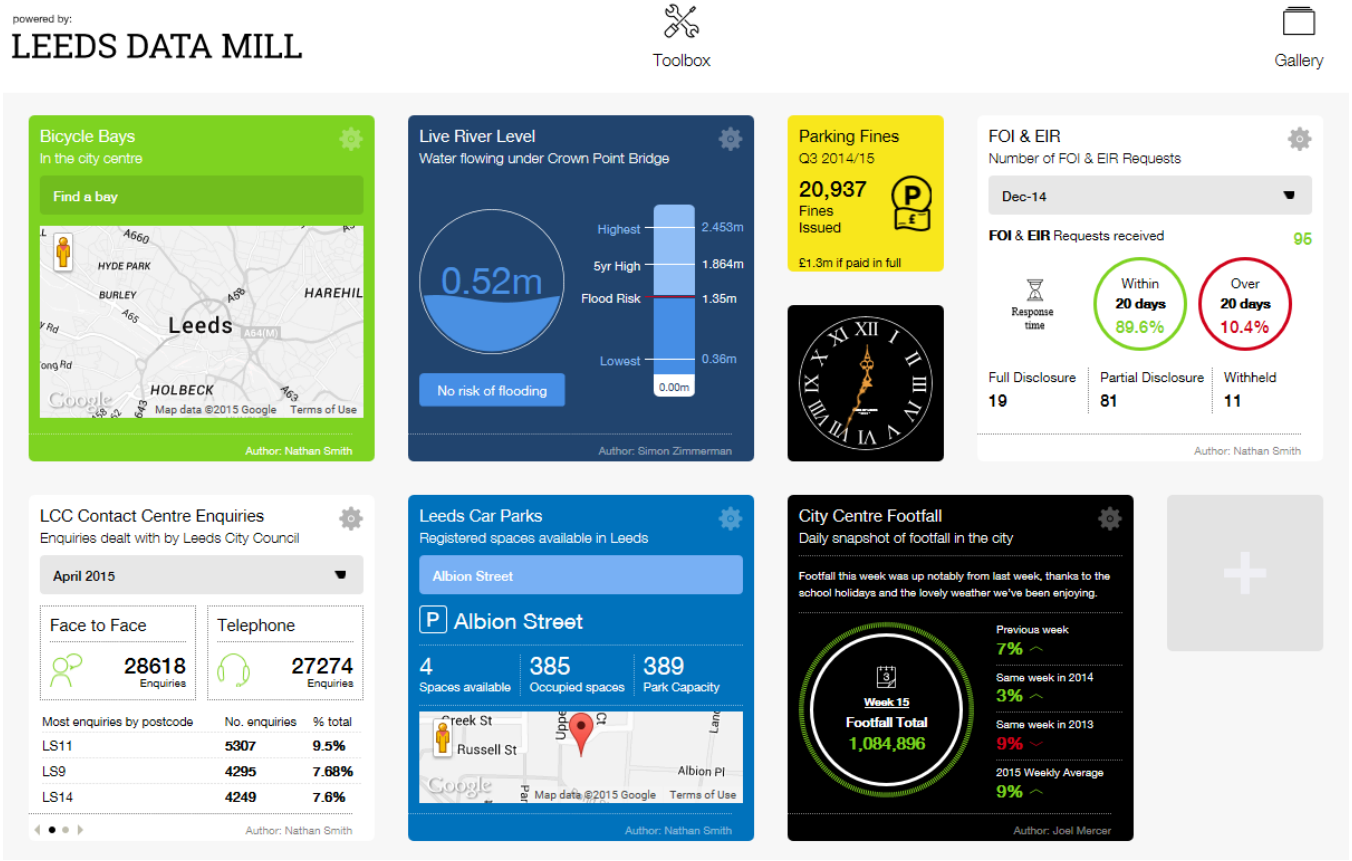
- Data is just the raw material
- Needs to be understood
- Needs to be meaningful
- Needs to provide value!

Data Dives

- **Identify an issue or problem**
- **Which datasets could help?**
- **Work with analysts / developers**
- **Prototype solutions**

Dashboard

http://leedsdatamill.org/dashboard



Thanks!

Any questions?

The Problem

- The DataStore has 40,000 regular users, but mostly researchers and analysts
- TfL have a community of 400 developers using their live feeds, can we replicate this?
- The Datastore has many datasets that are useful for everyday decisions, but they are not accessible to ordinary Londoners

The current situation

Output Area	Crime scores
E00000001	19
E00000016	9
E00000029	71
E00000040	327

Output Area	Schools
E00000001	87
E00000016	11

Output Area	Open Space
E00000001	35
E00000016	92

The current situation

Output Area	Crime scores
E00000001	19
E00000016	9
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1) download

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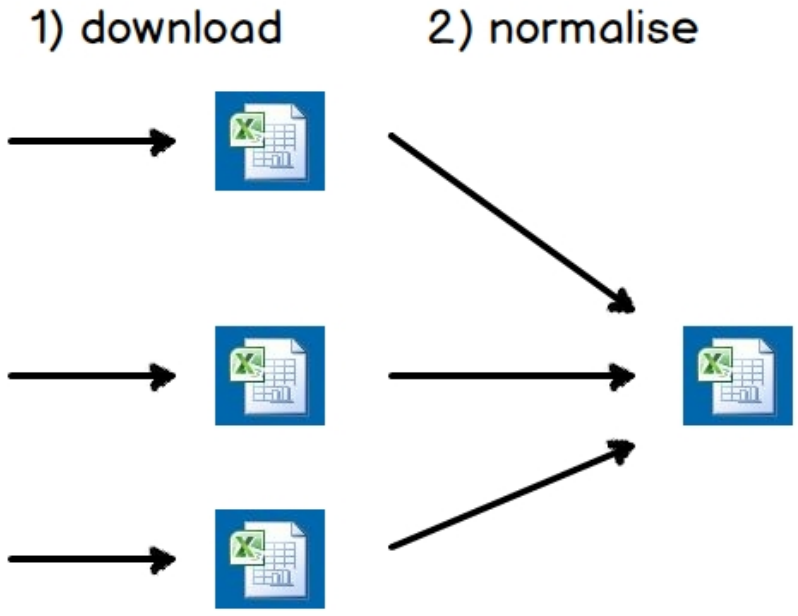

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E00000016	11

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E00000001	35
E00000016	92

1) download

2) normalise

3) select area of interest

Data to base decision on

The current situation

4) repeat

Output Area	Crime scores
E00000001	19
E00000016	9
E00000029	71
E00000040	327

Output Area	Schools
E00000001	87
E00000016	11

Output Area	Open Space
E00000001	35
E00000016	92

1) download

2) normalise

3) select area of interest

Data to base decision on

Our Solution - part 1

high performance API

4) repeat

Output Area	Crime scores
E00000001	19
E00000016	9
E00000029	71
E00000040	327

1) download

2) normalise

3) select area of interest

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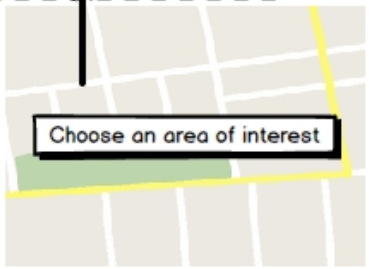


Data to base decision on

Our Solution - part 2

high performance API

web app - 'MyLondon'

Output Area	Crime scores
E00000001	19
E00000016	9
E00000029	71
E00000040	327

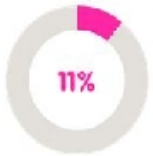
Output Area	Schools
E00000001	87
E00000016	11

Output Area	Open Space
E00000001	35
E00000016	92

2) download data just for area of interest

3) normalise

4) visualise the results



5) repeat

No.	First Name	Surname	Borough
1	Liam	Birkett	Royal Borough of Greenwich
2	Matthew	Boxall	Barnet
3	Denise	Bushay	Croydon
4	Mellik	Clarke	Wandsworth
5	Mary-Ann	Domman	London Councils
6	maria	ellis	Royal Borough of Kensington and Chelsea
7	Edmund	Fallon	Croydon
8	Andrew	Ford	Newham
9	Apollo	Gerolymbos	London Fire
10	Peter	Hall	Southwark
11	William	Harrison	Brent
12	Peter	Hollis	Westminster
13	dyar	hussein	tbc
14	Sean	Kelly	Ealing
15	Man Lim	Li	Waltham Forest
16	christine	lyons	Newham
17	Pooneeta	Mahadeo	Havering
18	Marc	Mason	Harrow
19	doug	mcleod	tbc
20	Ahmed	Omer	Royal Borough of Kensington and Chelsea
21	Lauren	Payne	Waltham Forest
22	Douglas	Plumer	Royal Borough of Greenwich
23	Laura	Prior	Sutton
24	Rosamund	Russell	Tower Hamlets
25	Jo	Sage	Hounslow
26	chris	Sale	Newham
27	Robert	Scott-Clark	Kingston
28	Indu	Srikumar	Redbridge
29	Dee	Tarday	tbc

No.	First Name	Surname	
30	alemtsehay	Tekle	
31	Alex	Tilouche	
32	Jacob	Tong	
33	Matthew	Tullett	
34	Oliver	Turner	
35	Michael	Webb	
36			
37			
38			
39			
40			