Open Data User Group (ODUG) – The case for Open Data

October 2013
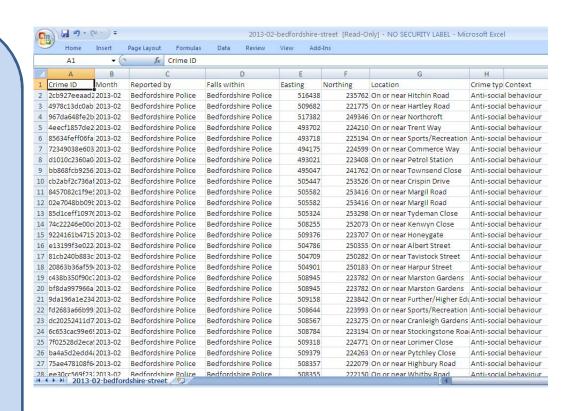
@oduguk

What is Open Data?

"A piece of data or content is open if **anyone** is **free to use, reuse, and redistribute** it — subject only, at most, to the requirement to attribute and/or share-alike."

Open Knowledge Foundation (OKFN) *Open Definition*

Open data is only appropriate for non-personal information & where there are no security or legal concerns about release

The benefits of Open Data

- **Transparency –** *holding government to account*
- **Better public service delivery**
- **Improved public sector efficiency**
- **Economic growth -** *opening up new market opportunities for the UK*
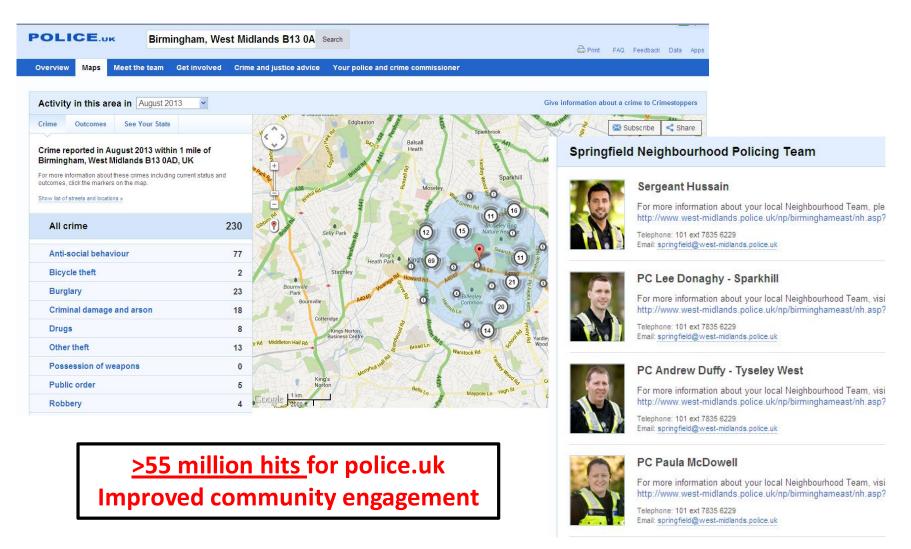- **Efficiency, innovation and enterprise**

Open Data – expected benefit levels

- **Estimated value of PSI to the UK economy:**
  - **£16bn (UK Gvt estimate 2011)**
  - **Shakespeare Review of PSI >£1.8bn of direct annual benefits per annum plus wider social benefits of >£6bn**
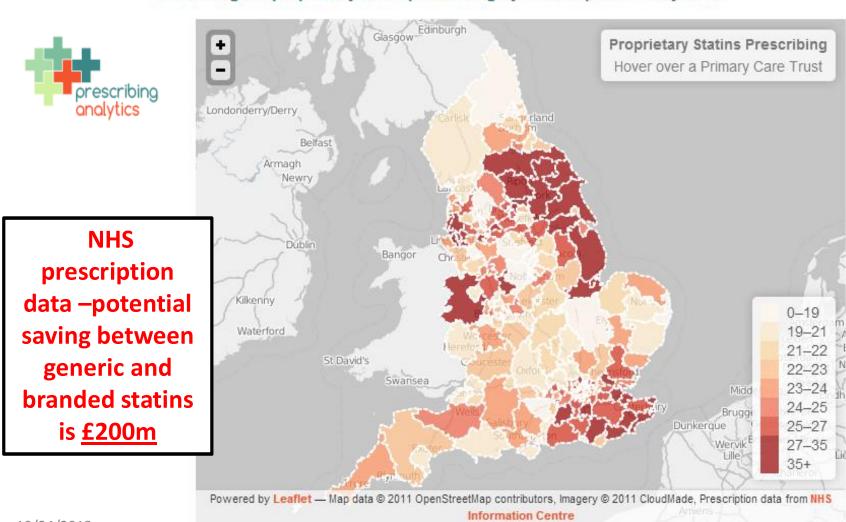
- **GeoServices**
  - **Global revenues are $150-$270bn per year, growing 13% per annum (Oxera)**
  - **US geospatial industry 2011 - $73bn revenues, 500k jobs with an impact of 15-20x this amount on the US economy driving $1.6T revenue and $1.4T cost savings (BCG)**

Public service delivery example

POLICE.uk

Birmingham, West Midlands B13 0A | Search

Print | FAQ | Feedback | Data | Apps

Overview | **Maps** | Meet the team | Get involved | Crime and justice advice | Your police and crime commissioner

Activity in this area in August 2013

Give information about a crime to Crimestoppers

Crime | Outcomes | See Your Stats

Crime reported in August 2013 within 1 mile of Birmingham, West Midlands B13 0AD, UK

For more information about these crimes including current status and outcomes, click the markers on the map.

Show list of streets and locations »

All crime	230
Anti-social behaviour	77
Bicycle theft	2
Burglary	23
Criminal damage and arson	18
Drugs	8
Other theft	13
Possession of weapons	0
Public order	5
Robbery	4

Subscribe | Share

Springfield Neighbourhood Policing Team

Sergeant Hussain
For more information about your local Neighbourhood Team, ple
http://www.west-midlands.police.uk/np/birminghameast/nh.asp?
Telephone: 101 ext 7835 6229
Email: springfield@west-midlands.police.uk

PC Lee Donaghy - Sparkhill
For more information about your local Neighbourhood Team, visi
http://www.west-midlands.police.uk/np/birminghameast/nh.asp?
Telephone: 101 ext 7835 6229
Email: springfield@west-midlands.police.uk

PC Andrew Duffy - Tyseley West
For more information about your local Neighbourhood Team, visi
http://www.west-midlands.police.uk/np/birminghameast/nh.asp?
Telephone: 101 ext 7835 6229
Email: springfield@west-midlands.police.uk

PC Paula McDowell
For more information about your local Neighbourhood Team, visi
http://www.west-midlands.police.uk/np/birminghameast/nh.asp?
Telephone: 101 ext 7835 6229
Email: springfield@west-midlands.police.uk

>55 million hits for police.uk
Improved community engagement

Public sector efficiency example

Percentage of proprietary statin prescribing by CCG Sep 2011 - May 2012

prescribing analytics

Proprietary Statins Prescribing
Hover over a Primary Care Trust

NHS prescription data –potential saving between generic and branded statins is £200m

| 0–19 |
| 19–21 |
| 21–22 |
| 22–23 |
| 23–24 |
| 24–25 |
| 25–27 |
| 27–35 |
| 35+ |

Powered by **Leaflet** — Map data © 2011 OpenStreetMap contributors, Imagery © 2011 CloudMade, Prescription data from **NHS**
Information Centre

Business Innovation example

THE CLIMATE CORPORATION

- **US start-up founded on government open data**

- **Makes use of free data published by the US National Weather Service**

- **Uses machine learning to predict the weather and other essential elements for agribusiness**

- **Acquired by Monsanto for around $1bn**

HOMESTEAD
554.1 ac
POTENTIAL EARNINGS   YIELD INCREASE
Boost
Profit   8 bu/ac
                      RISK/COVERAGE
         Break even   55%
Loss   HARVEST DATE
                      Sept 3

The UK has the potential to grow these types of innovative businesses

ODUG - Terms of Reference

- **ODUG advises the Public Sector Transparency Board on public sector data that should be prioritised for release as Open Data, to the benefit of the UK**

  - **Intelligent customer on behalf of the public and private sector for public data free at point of use and for re-use**
  - **A vibrant advocate for this opportunity for the UK**
  - **A single stakeholder group in the interests of those that use and re-use Open Data**
  - **Champions the benefits of using Open Data**
  - **Provides advice on National Information Infrastructure**

ODUG – The Group

- **First members appointed in June 2012**
- **Volunteers representing different sectors of the user community – Large/small businesses, Local Government, Wider data community**
- **Fully open and transparent approach – minutes published**
- **Data Request mechanism on data.gov.uk**
- **Benefits Cases developed and published**
- **Open Data Request Roadmap tracks progress**

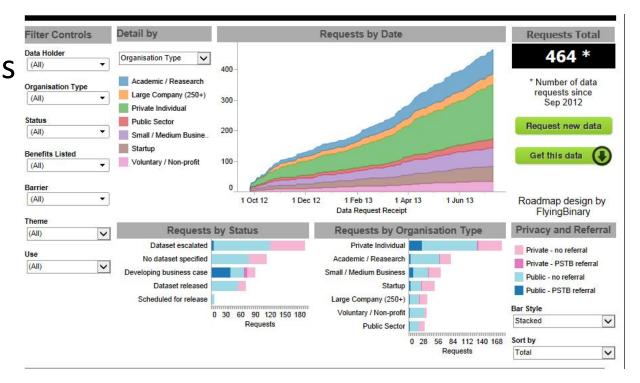Request new data

This form will allow you to submit a data request.

Open Data User Group Response to RM Postcode Address File licensing consultation – September 2013 66 3

Requests by Date

ODUG - Activities

- **Reach out to Open Data users, re-users, wider stakeholders**
- **Undertake research and evidence gathering to inform the business case to release Open Data**
- **Prioritise user requests for data to identify the most important data sets for release as Open Data**
- **Build the business case for the PSTB on how to prioritise funding to deliver Open Data (£7m in this spending review)**
- **Advise PSTB on subsequent spending review bids for additional funding for Open Data to benefit the UK economy**
- **ODUG may be called on to advise Cabinet Office on Open Data policy and to advise Sector Transparency Boards.**

ODUG Data Request Roadmap

- Open, transparent data request status and tracking

- \> 500 requests since Sept 2012

- Interactive

ODUG Results to-date

- **Open National Address Dataset/PAF –** *Postcodes with Royal Mail, Gvt looking at options for National Address Dataset*

- **HM Land Registry Historic Price Paid data and INSPIRE Cadastral Polygon Data –** *datasets released* ☺

- **Ordnance Survey Public Rights of Way –** *dataset released* ☺

- **Register of UK Charities –** *commitment to release* ☺

- **Historic UK Met Office data –** *under consideration*

- **The VAT Register –** *under consideration*

- **DVLA Bulk Data and Police National Stolen Vehicle Data –** *under consideration*

- **Ordnance Survey derived data licensing restrictions –** *work ongoing*

Open Data – challenges

- **Cultural Changes**
  - **Considering full economic potential of PSI**
  - **Open by default/legislative landscape**
  - **Commissioning new data (procurement)**
  - **Government policy on data privacy**
  - **Skills gap**

- **Open Data as a driver of growth**
  - **Metrics (can be difficult)**
  - **Evidence (will emerge as more data is released)**
  - **Competing policy agendas in a time of austerity (short vs medium term pressures)**

ODUG – next steps

Year2 Focus

- **National Data Infrastructure/Core Reference Data**
- **Improved 'data requester experience'**
- **Build community engagement**
- **Thematic approaches to data release**
- **More case studies**