

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

October 2013

@oduguk



DATA.GOV.UK^{Beta}
Opening up Government



Cabinet Office

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

	A	B	C	D	E	F	G	H
1	Crime ID	Month	Reported by	Falls within	Easting	Northing	Location	Crime typ Context
2	2cb927eead2	2013-02	Bedfordshire Police	Bedfordshire Police	516438	235762	On or near Hitchin Road	Anti-social behaviour
3	4978c13dc0ab	2013-02	Bedfordshire Police	Bedfordshire Police	509682	221775	On or near Hartley Road	Anti-social behaviour
4	967da648fe2b	2013-02	Bedfordshire Police	Bedfordshire Police	517382	249346	On or near Northcroft	Anti-social behaviour
5	4eefc1857de2	2013-02	Bedfordshire Police	Bedfordshire Police	493702	224210	On or near Trent Way	Anti-social behaviour
6	85634feff06fa	2013-02	Bedfordshire Police	Bedfordshire Police	493718	225194	On or near Sports/Recreation	Anti-social behaviour
7	72349038e603	2013-02	Bedfordshire Police	Bedfordshire Police	494175	224599	On or near Commerce Way	Anti-social behaviour
8	d1010c2360a0	2013-02	Bedfordshire Police	Bedfordshire Police	493021	223408	On or near Petrol Station	Anti-social behaviour
9	bb868fcb9256	2013-02	Bedfordshire Police	Bedfordshire Police	495047	241762	On or near Townsend Close	Anti-social behaviour
10	cb2abf2c736af	2013-02	Bedfordshire Police	Bedfordshire Police	505447	253526	On or near Crispin Drive	Anti-social behaviour
11	8457082c1f9e	2013-02	Bedfordshire Police	Bedfordshire Police	505582	253416	On or near Margil Road	Anti-social behaviour
12	02e7048bb09	2013-02	Bedfordshire Police	Bedfordshire Police	505582	253416	On or near Margil Road	Anti-social behaviour
13	85d1ceff1097	2013-02	Bedfordshire Police	Bedfordshire Police	505324	253298	On or near Tydeman Close	Anti-social behaviour
14	74c22246e00c	2013-02	Bedfordshire Police	Bedfordshire Police	508255	252073	On or near Kenwyn Close	Anti-social behaviour
15	9224161b4715	2013-02	Bedfordshire Police	Bedfordshire Police	509376	223707	On or near Honeygate	Anti-social behaviour
16	e13199f3e022	2013-02	Bedfordshire Police	Bedfordshire Police	504786	250355	On or near Albert Street	Anti-social behaviour
17	81cb240b883c	2013-02	Bedfordshire Police	Bedfordshire Police	504709	250282	On or near Tavistock Street	Anti-social behaviour
18	20863b36af59	2013-02	Bedfordshire Police	Bedfordshire Police	504901	250183	On or near Harpur Street	Anti-social behaviour
19	c438b350f90c7	2013-02	Bedfordshire Police	Bedfordshire Police	508945	223782	On or near Marston Gardens	Anti-social behaviour
20	bf8da997966a	2013-02	Bedfordshire Police	Bedfordshire Police	508945	223782	On or near Marston Gardens	Anti-social behaviour
21	9da196a1e234	2013-02	Bedfordshire Police	Bedfordshire Police	509158	223842	On or near Further/Higher Ed	Anti-social behaviour
22	fd2683a66b99	2013-02	Bedfordshire Police	Bedfordshire Police	508644	223993	On or near Sports/Recreation	Anti-social behaviour
23	dc20252411d7	2013-02	Bedfordshire Police	Bedfordshire Police	508567	223275	On or near Cranleigh Gardens	Anti-social behaviour
24	6c653cac99e6f	2013-02	Bedfordshire Police	Bedfordshire Police	508784	223194	On or near Stockingstone Roa	Anti-social behaviour
25	7f02528d2eca	2013-02	Bedfordshire Police	Bedfordshire Police	509318	224771	On or near Lorimer Close	Anti-social behaviour
26	ba4a5d2edd4	2013-02	Bedfordshire Police	Bedfordshire Police	509379	224263	On or near Pytchley Close	Anti-social behaviour
27	75ae478108f6	2013-02	Bedfordshire Police	Bedfordshire Police	508357	222079	On or near Highbury Road	Anti-social behaviour
28	ee30cc569f23	2013-02	Bedfordshire Police	Bedfordshire Police	508355	222150	On or near Whitty Road	Anti-social behaviour

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

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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

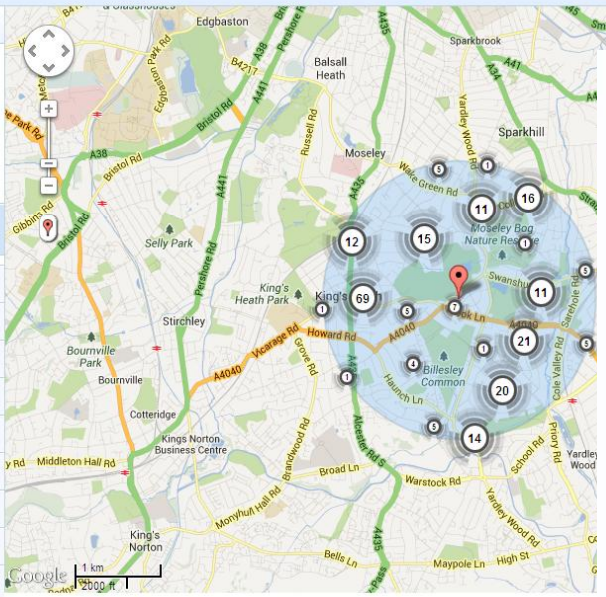
Crime | Outcomes | See Your Stats

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




Springfield Neighbourhood Policing Team



Sergeant Hussain

For more information about your local Neighbourhood Team, please visit <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, visit <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, visit <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, visit <http://www.west-midlands.police.uk/np/birminghameast/nh.asp>

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>55 million hits for police.uk
Improved community engagement

10/24/2013

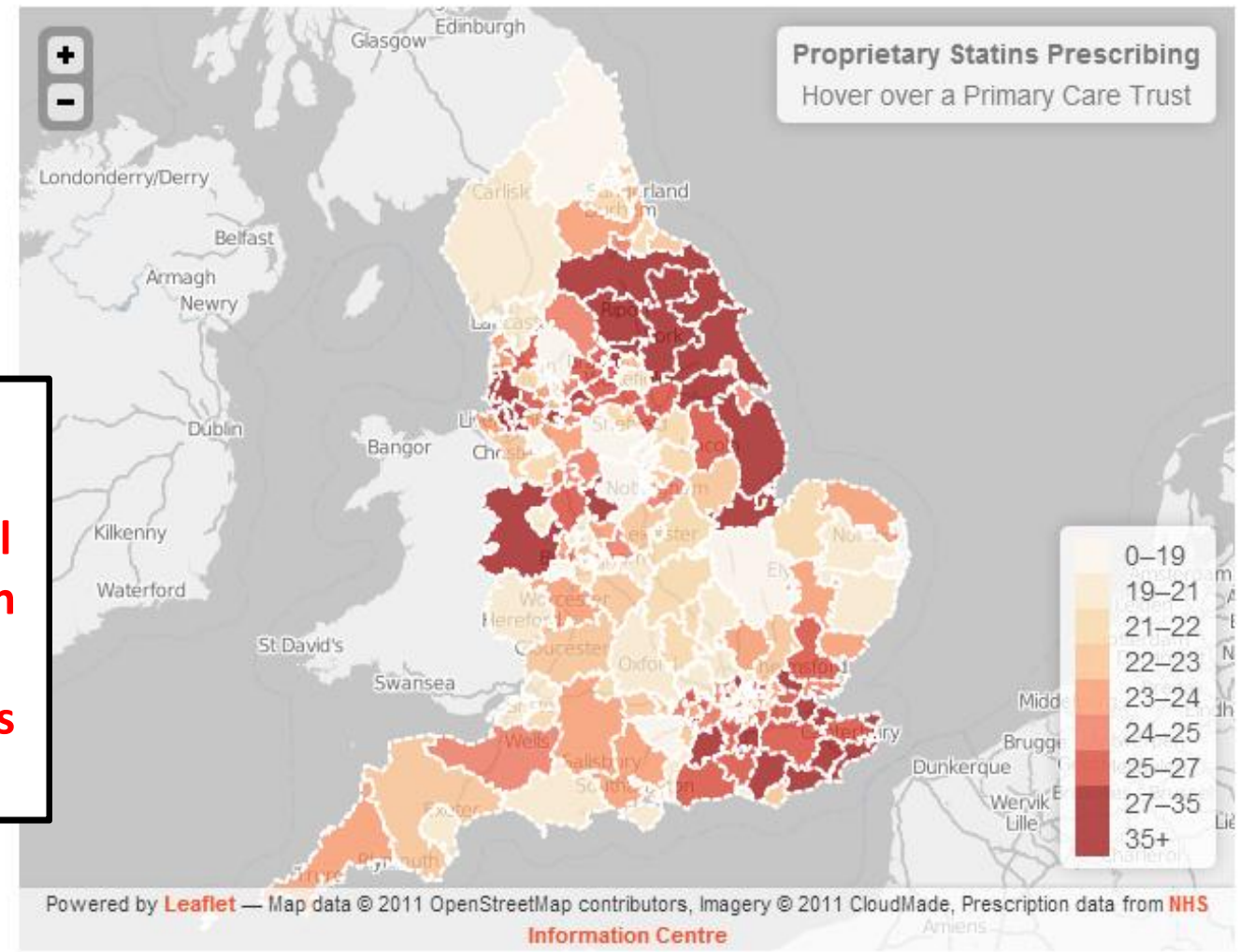
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Public sector efficiency example

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



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



Business Innovation example



- 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



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

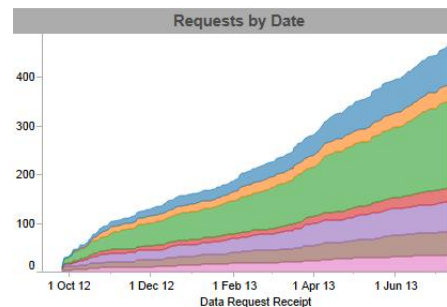
- First members appointed in June 2012
- Volunteers representing different sectors of the user community – Large/small businesses, Local Government, Wider data community
- Fully open and transparent approach – minutes published
- Data Request mechanism on data.gov.uk
- Benefits Cases developed and published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



This form will allow you to submit a data request.



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



ODUG - Activities

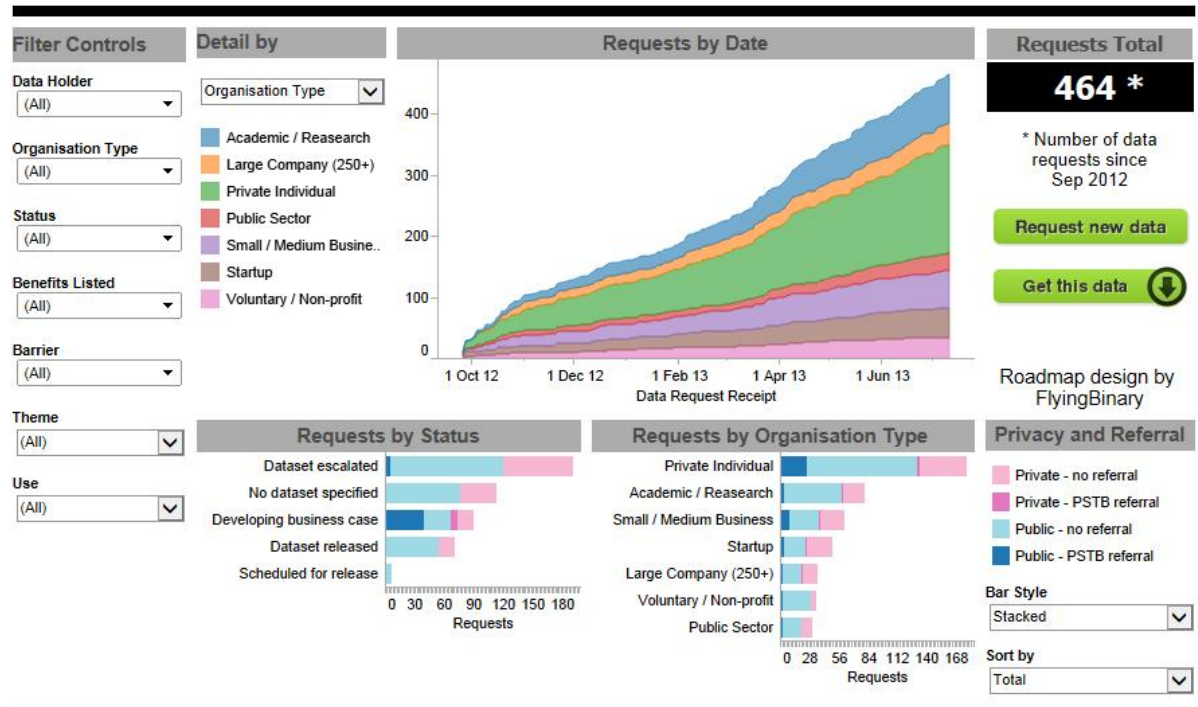
- **Reach out to Open Data users, re-users, wider stakeholders**
- **Undertake research and evidence gathering to inform the business case to release Open Data**
- **Prioritise user requests for data to identify the most important data sets for release as Open Data**
- **Build the business case for the 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**