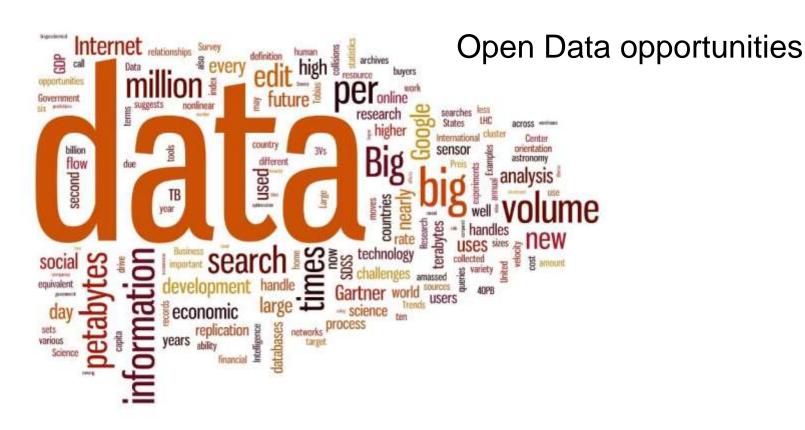
What does the future bring data (lots of it!)







THE WITCOMET HE ALL WHEN THINGS CAN MAKE AT A LIGHTWING-EAST DAG

IN JUST A MINUTE. YOU CAN READ THROUGH AND COMPOSE A FEW TWEETS ALON WITH LOOK AT DOZENS OF FACEBOOK PHOTOS. THAT SAID, WE'VE PULLED TOGETHE! THIS INFOGRAPHIC TO GIVE YOU AN UPDATED VIEW OF EVERYTHING THAT HAPPEN ONLINE IN 80 SECURIOS DILING 2013.



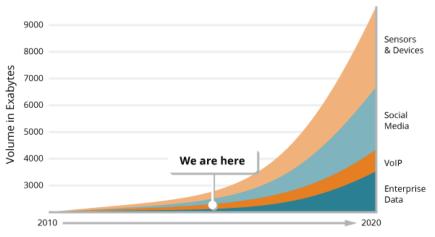
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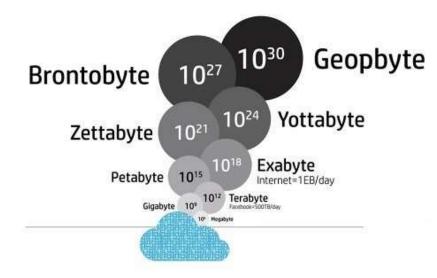
Onta



Scale of data growth ...

The Dawn of Big Data: the uncertainty of new information is growing alongside its complexity

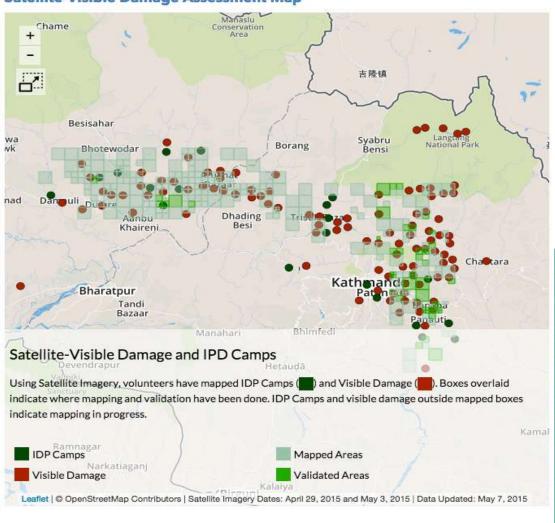


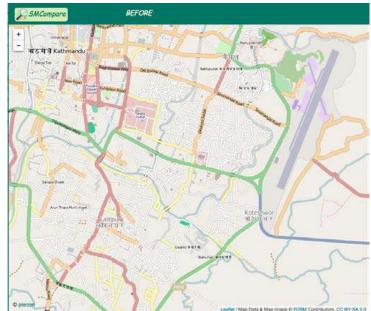


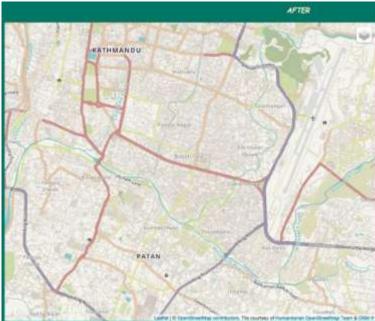


Some interesting uses of crowd sourced data

Satellite-Visible Damage Assessment Map







http://kathmandulivinglabs.github.io/quake-maps/

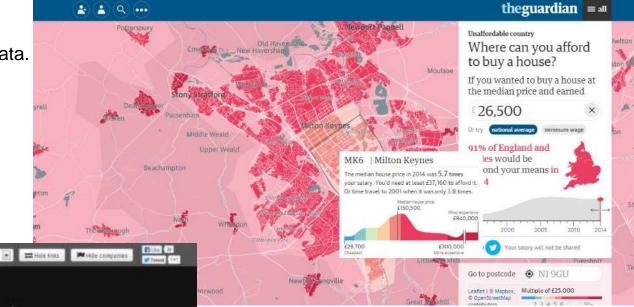


pencorporates

Some interesting uses of Data Science

- Uses Land Registry Price-Paid data.
- Includes 20 million transactions
- 78,000 data downloads between January 2012 and March 2013:
- **\$1.4 billion** global investment in proptech in 2014:

COLDMAN SACKS CROOK INC. THE .. KALDRAWALLY ... COPILLY



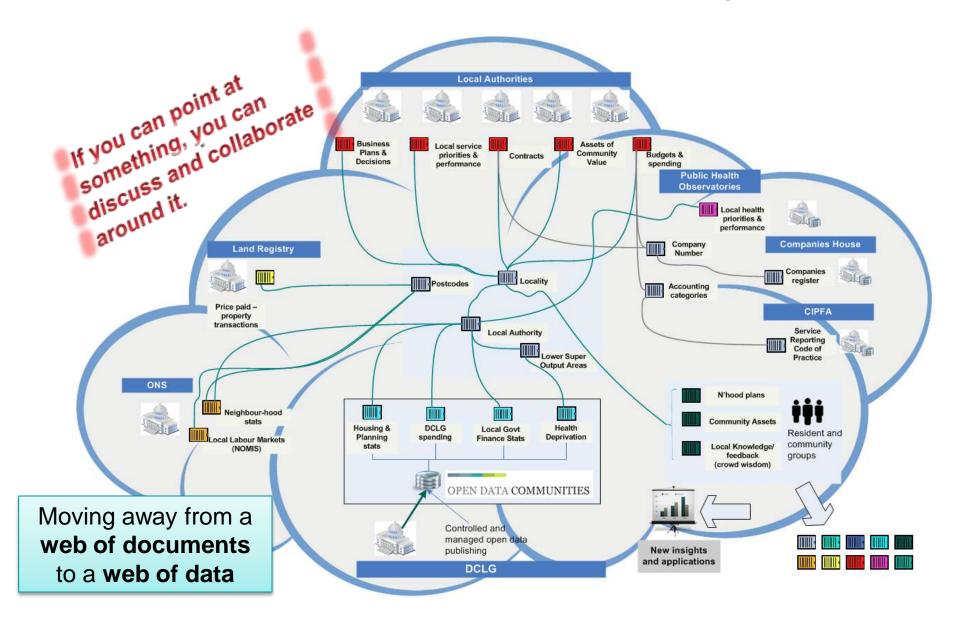


- Built on OpenCorporates.com
- Contains information & data about: 85 million companies, in 105 jurisdictions
- Number of Goldman Sachs subsidiaries registered in the Cayman Islands: 739
- Total proceeds of corruption across 150 grand investigations involving corporate vehicles \$56.4 billion



The opportunity for Government ... and you

Faster smarter data linking and innovative use

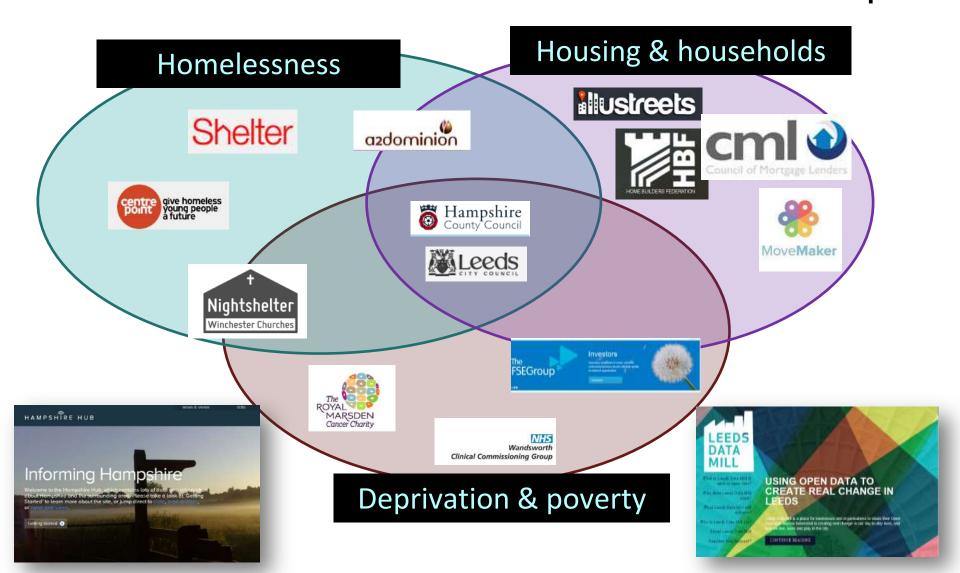




Department for Communities and Local Government

CHALLENGE: Connecting with multiple audiences

users of DCLG (and other 3rd party) statistics some examples

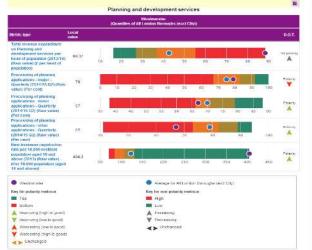


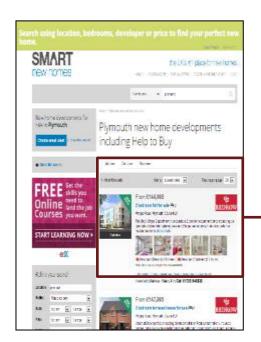




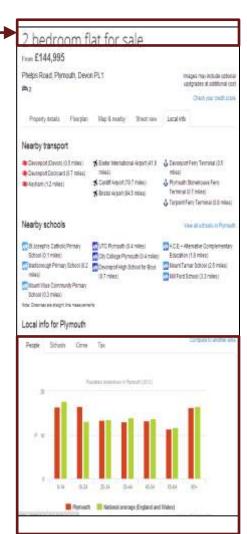


Multiple sources, for multiple audiences
Some examples





http://www.newhomes.co.uk/starter-homes/





Data linking and visualisation

A fire and crime, and new build and floods example

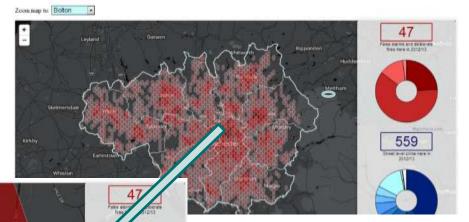
Greater Manchester Fire and Rescue Service

559

False and deliberate incidents, and local crimes: 2012/13



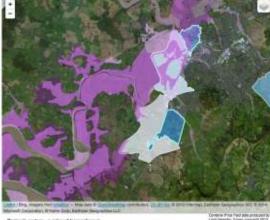
Fire & Crime hotspots



New build sales & flood risk

Flood alert and warning areas and New build property transaction hotspots, 2009 to 2013





DOM:NO DARK 246 tr 458



OpenDataCommunities is the solution?

Current position





What has open data ever done for us

What are we doing at DCLG



Department for Communities and Local Government

Housing Supply

Housing Supply

Delivery Housing Completions Rolling annual average for year to December 142,890 12 month 6 month 3 month 21% 4 9% A 5% 4





Data driven Digital

Dashboards

Department for Communities and Local Government









ctorate 116 Swint IT List.

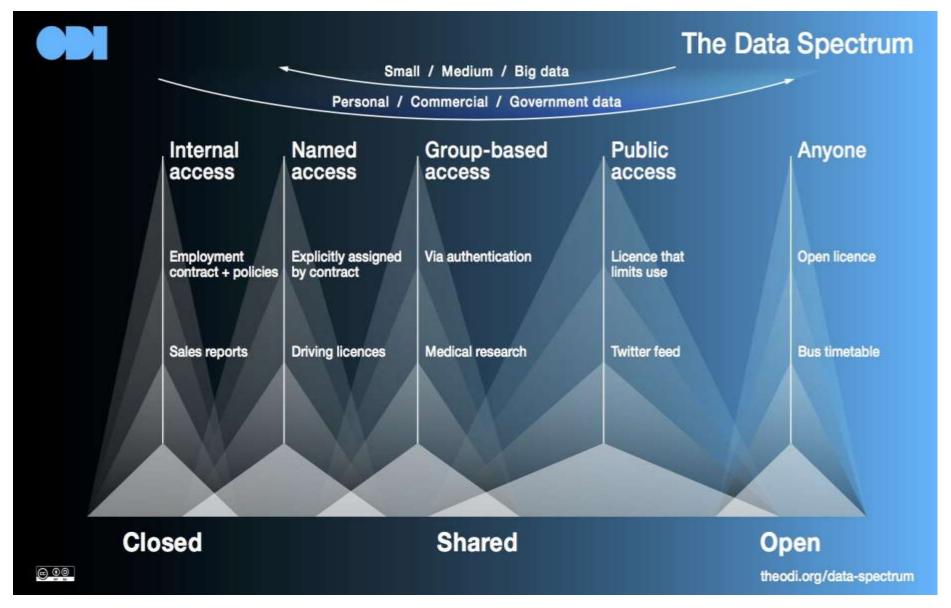
> awpartyre to charge LONG HOW LOCK, SUTHERINY - 3 MILLION & PRINCIPLE Your Authority is: The Town Hell Wandsworth High Street SW16 2PU Tale: 020 8871 6000 EMail: enquirea@wandsecr@.pnc.uk Vitral would you like to do next? Chine a different authority necurrons for this activity.

Open Data (Locali)

Step 4 - Web page for the service salested.

Data driven Mobile phone apps



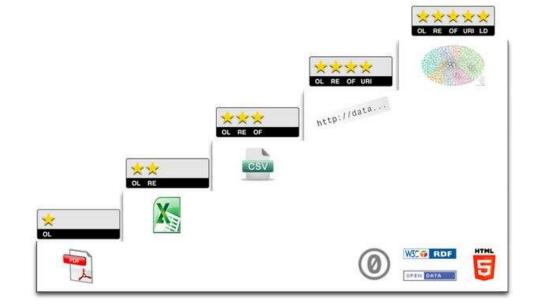


Ethics and linked data

- Start with clear user need and public benefit
- Use data and tools which have the minimum intrusion necessary
- Create robust data science mode
- Be alert to public perceptions
- Be as open as possible
- 6 Keep data secure

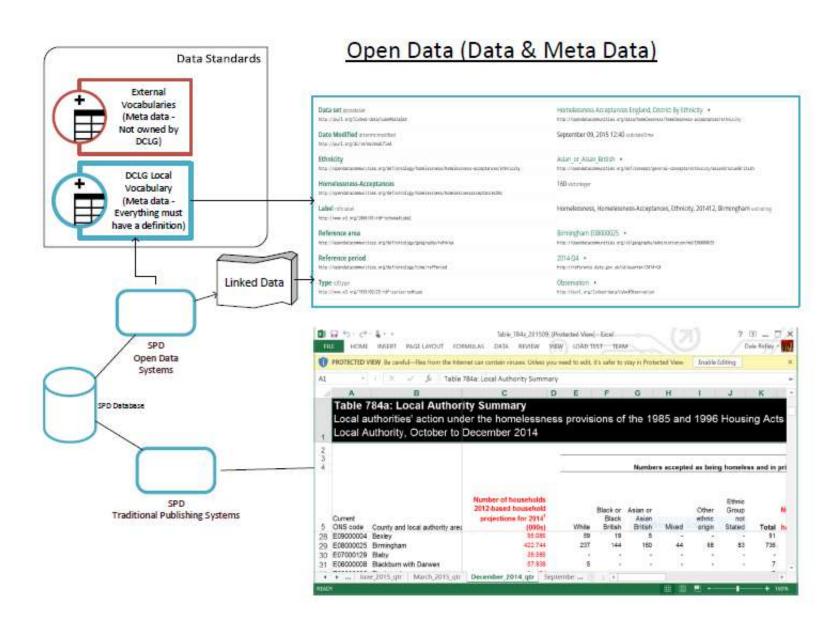
5 ★ Open Data

Tim Berners-Lee, the inventor of the Web and Linked Data initiator, suggested a 5 star deployment scheme for Data. Here, we give examples for each step of the stars and explain costs and benefits that come along with it.





What does linked data give you





The importance of describing data

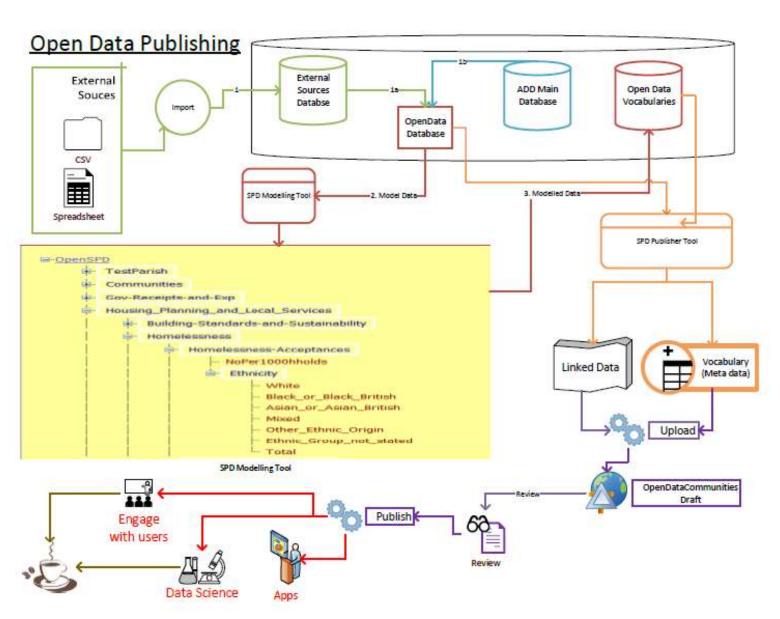
Open Data - Everything Must Be Described (Standards)

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DATASET CONTENTS Spreadsheet view		All metadata		
		Label retains 11th New of orp 2000/PUNF inherestrated. Type of the	2011 Q2 sametry	
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≠2011 Q3	196	23	5- Mixed	
J-PATTINGEON	4.66%	22	> Other_Ethnic_Origin	
≈2011 Q4	166			
* 2011 Q4 * 2012 Q1	147	17	\$→ Total	



The sausage machine!

(producing linked data)



Thank you & questions



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martin.waudby@communities.gsi.gov.uk

0303 444 2316

Towards open, re-usable data:

http://opendatacommunities.org