

Tech Partners





Global Platform: How we got here



UNSC Remit
World Data Forum
January 2017



Our Vision

A Global collaboration to harness the power of data for better lives [14/07/2017]

WS1 Governance

Define the business operating model for the GP and make the business case for the GP taking into account the legal structure of the GP, legal and regulatory compliance, overall governance, structure of partner agreements, the customer network and the options for long-term sustainable financing



WS2

Data Policy and Common Technology Framework Draft and seek endorsement by the statistical commission of a data policy framework for governance and information management including ethics, privacy, confidentiality and security, which will shape the workings of the GP. Seek endorsement for a common technology infrastructure to enable its delivery



WS3

Communications and Best Practice Sharing

Seek endorsement by the Statistical Commission of a framework for communications and best practice sharing for the GP. Overall progress towards delivering the GP will be widely communicated to encourage new partners and users to join this initiative.



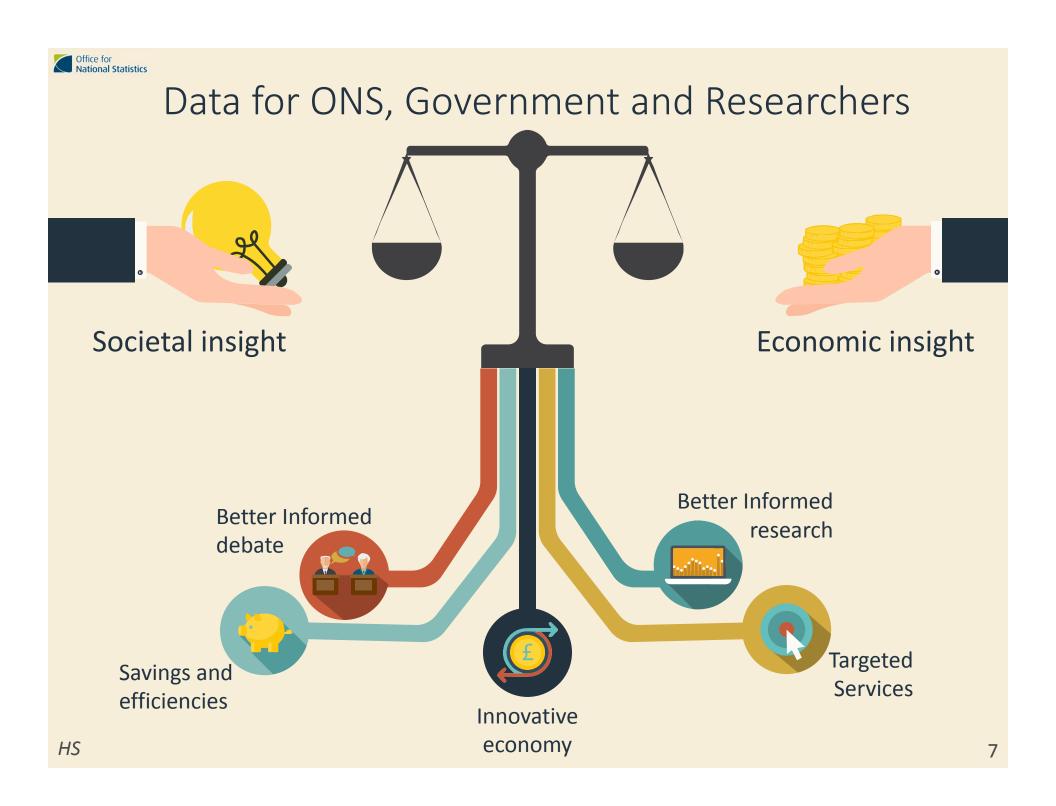


Joining up with other data initiatives





Statistical Modernisation @ONS



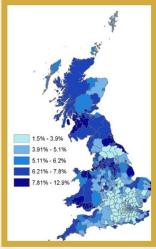




Targeted Service Delivery

Clustering

 Better policy decisions based demographics and geography





Better Informed Public Debate: Migration

- Confused and mixed messaging from different sources
- Collaboration between ONS and OGDs
- Clearly present and explain all information



Service integration: DfE/CLG Land Availability Tool

Identify possible sites for new free schools

Reduce reoffending rates

Assess interventions



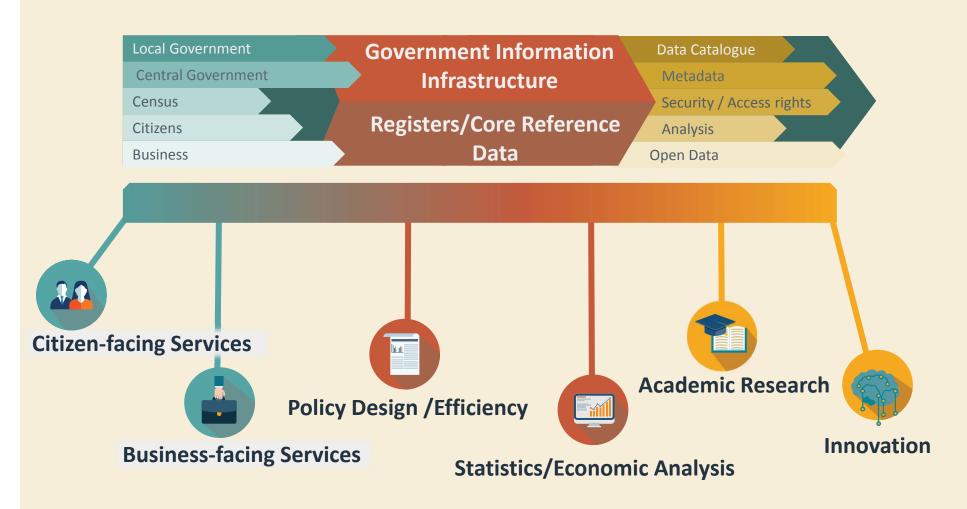
Better policy decision : Flow of funds

- Closer monitoring of financial flows
- Reduce risk of another financial crisis
- Asset and liability position by sector
- One sectors liabilities are spread across economies





Data Infrastructure: delivering a critical resource



The challenge: multiple user lenses across

data estate

Statistical production:

Secure, in-house access

ONS staff

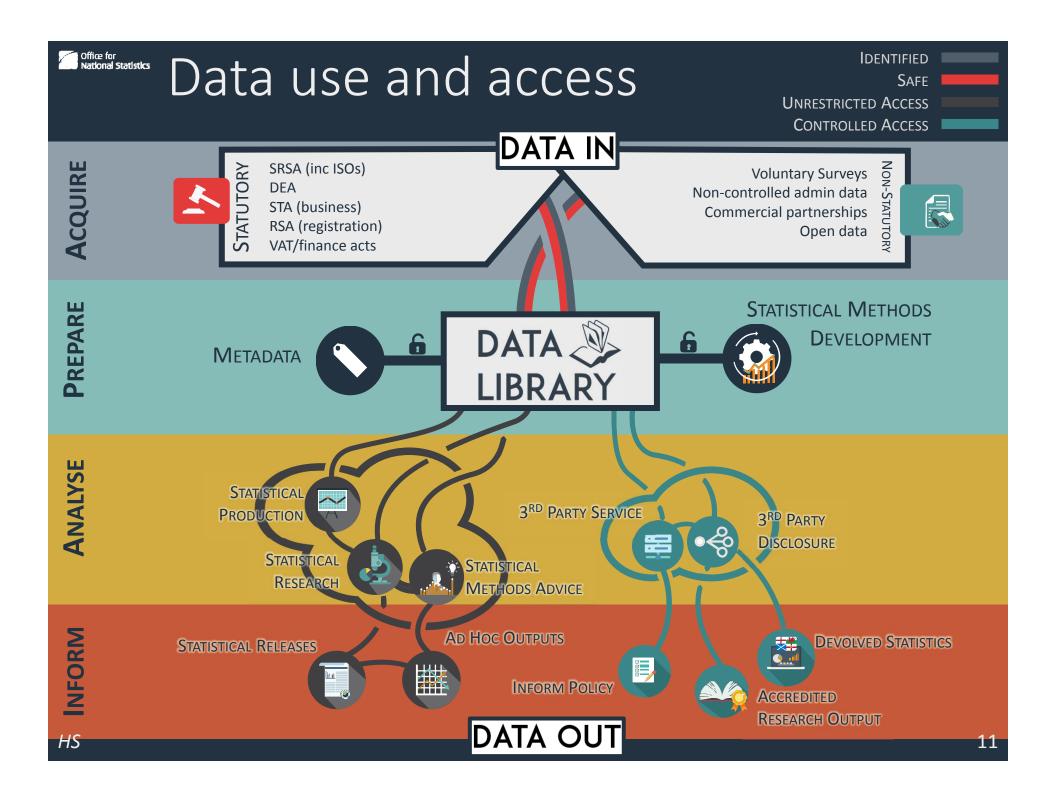


internal and 3rd party use



Working in partnerships, projectbased access

3rd party disclosure: Accredited research and statistics





Data Capability at ONS





National Statistician's Data Ethics Advisory Committee (NSDEC)

Public Good

The use of data has clear benefits for users and serves the public good.



Confidentiality, data security, consent

The data subject's identity (whether person or organisation) is protected, information is kept confidential and secure, and the issue of consent is considered appropriately.



Methods and Quality The risks and limits of new technologies are considered and there is sufficient human oversight so that methods employed are consistent with recognised standards of integrity and quality.



Legal Compliance Data used and methods employed are consistent with legal requirements such as the DPA, the Human Rights Act, the SRSA and the common law duty of confidence.



Public views & engagement

The views of the public are considered in light of the data used and the perceived benefits of the research.

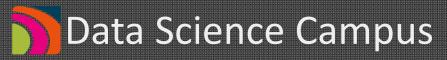


Transparency

The access, use and sharing of data is **transparent**, and is communicated clearly and accessibly to the public.



ETHICAL PRINCIPLES



Active Learning



Experimentation

Apprenticeship in Data Analytics

- 2 year programme
- Level 4 Diploma-Data Analytics

MSc Data Analytics: Government

- September 2017
- Multiple academic partners
- Framework reviewed by GSS

Government Data Accelerator

- Open to Public sector staff
- Run with GDS & GO-Science
- Network "hub" @ DSC

Research Teams

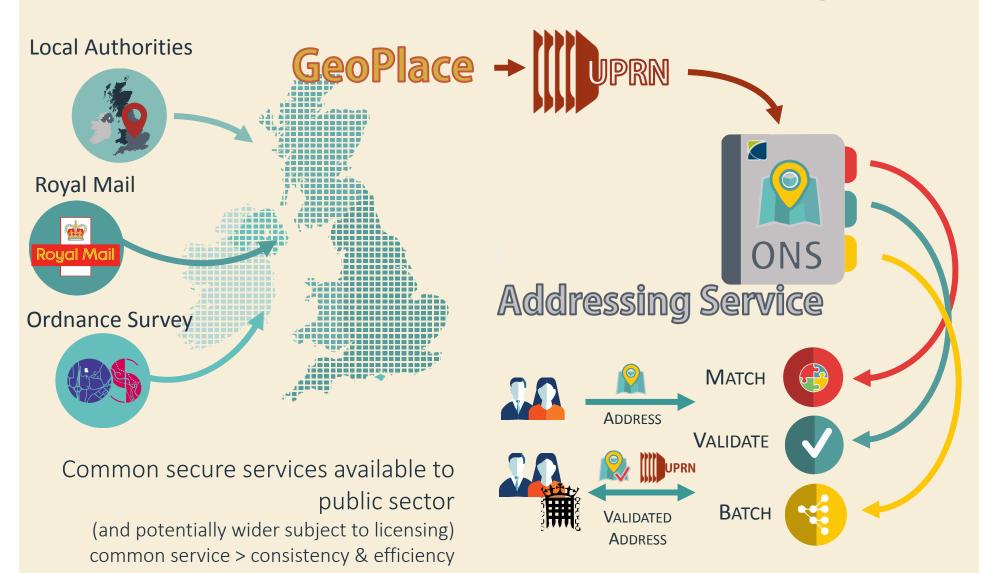
- Launched September 2016
 - 24 FTF ■
- 60 FTE projected March 2018

Partnerships

- MoUs agreed including Universities
 (Cardiff), research institutes (Alan Turing),
 international statistical institutes (Stats
 Netherlands)
 - Collaboration with national & devolved government, e.g. DEFRA, DCMS, DFID, Welsh Government

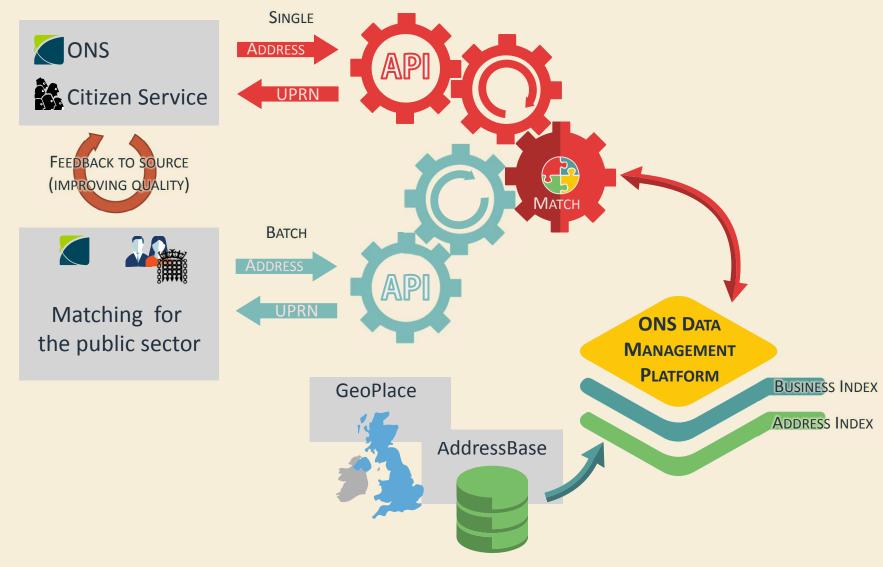


ONS and National Addressing





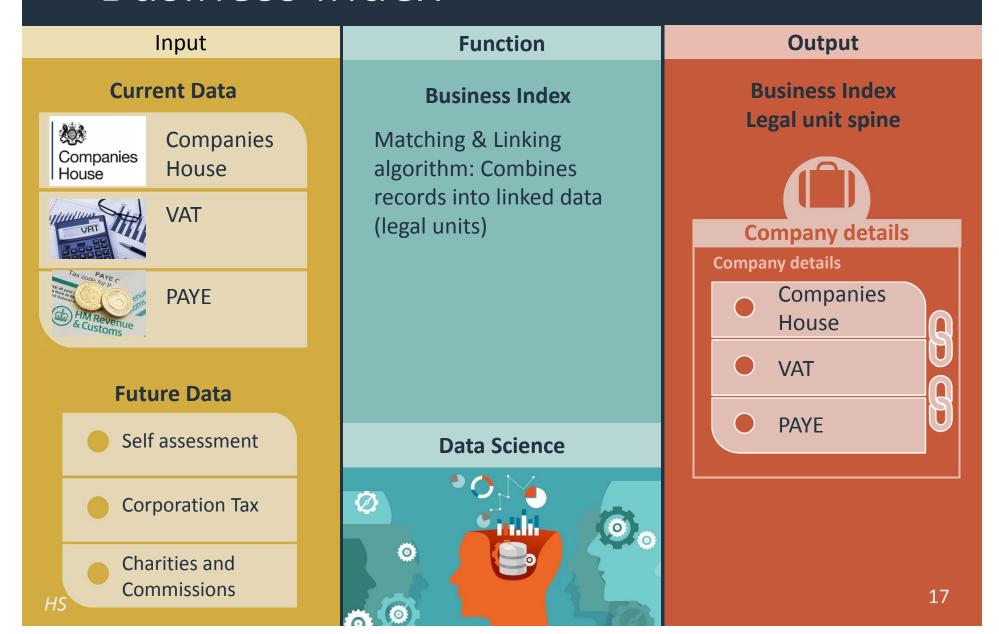
ONS Address Matching Service



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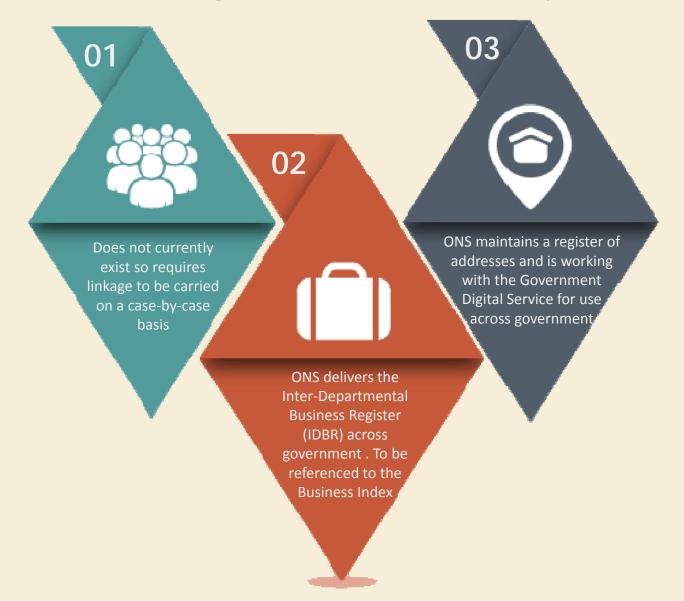


Business Index





Data Integration – 3 way index



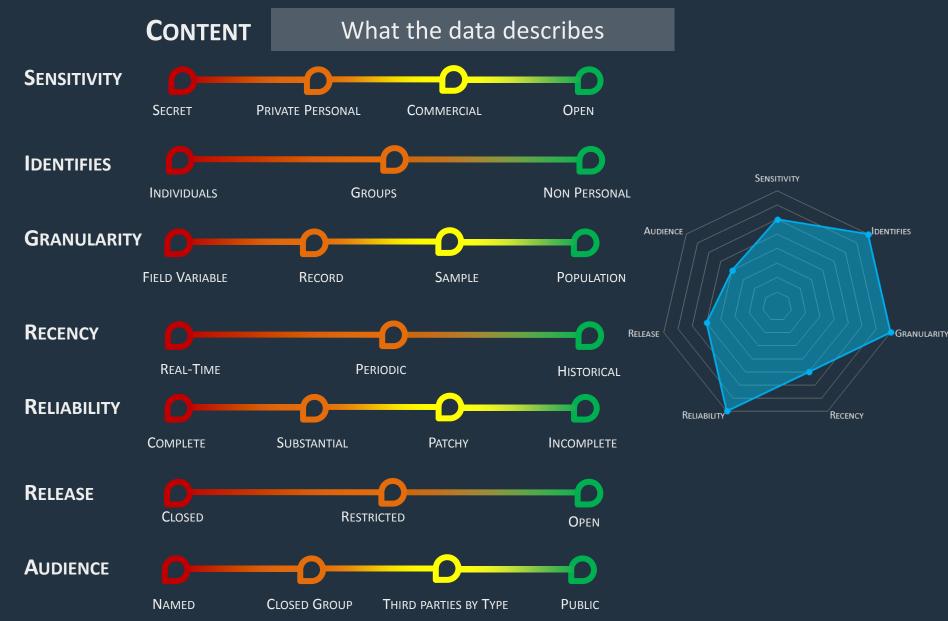
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IDEAS – A New Data Model



The Material Properties of a dataset



HS

Office for National Statistics

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WHY ARE WE HERE TODAY?



Data Access

