



Office for
National Statistics
Swyddfa
Ystadegau Gwladol

Innovation in Official Statistics

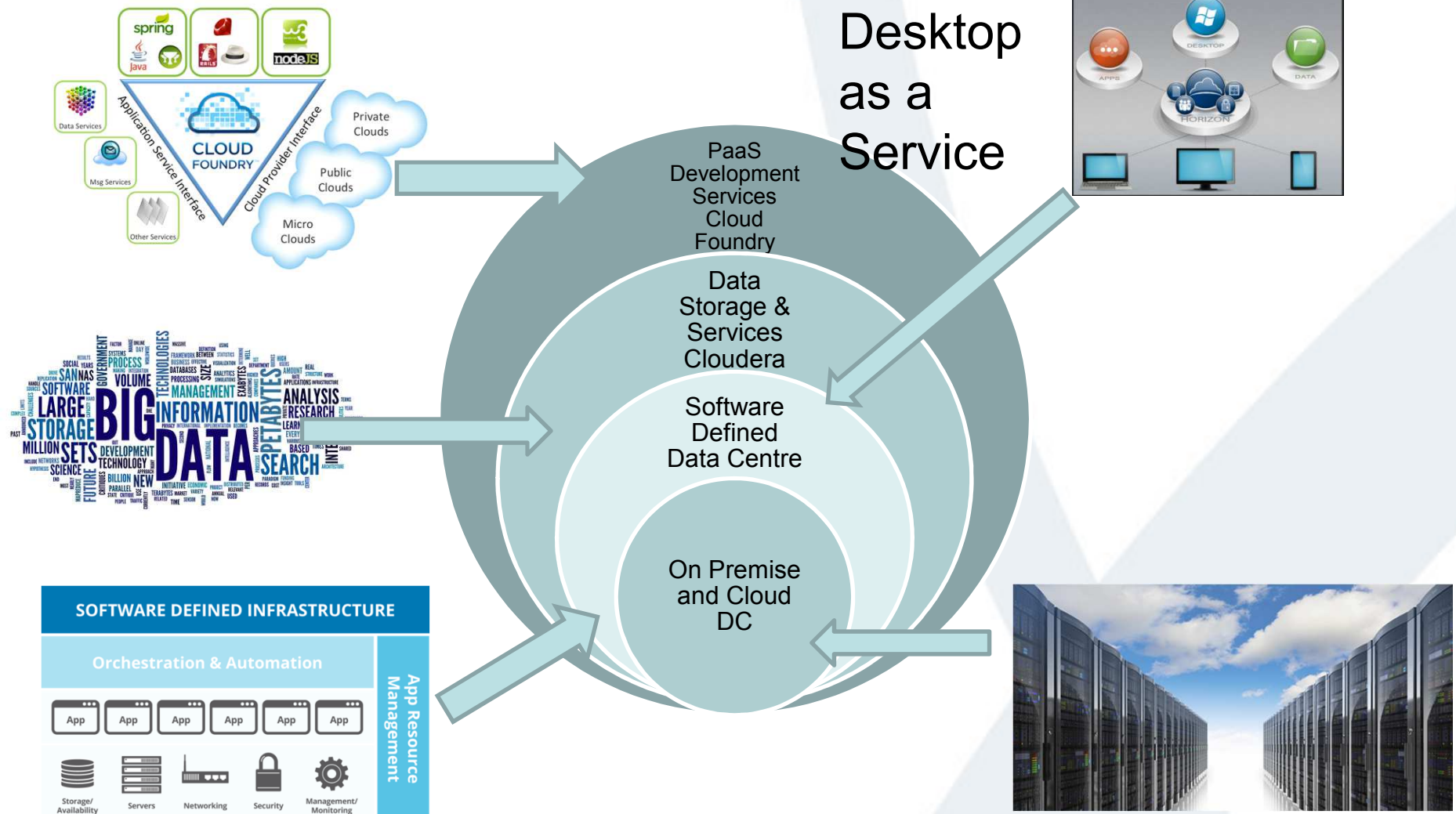
Heather Savory
September 2016

Challenges for Statistics but big opportunities

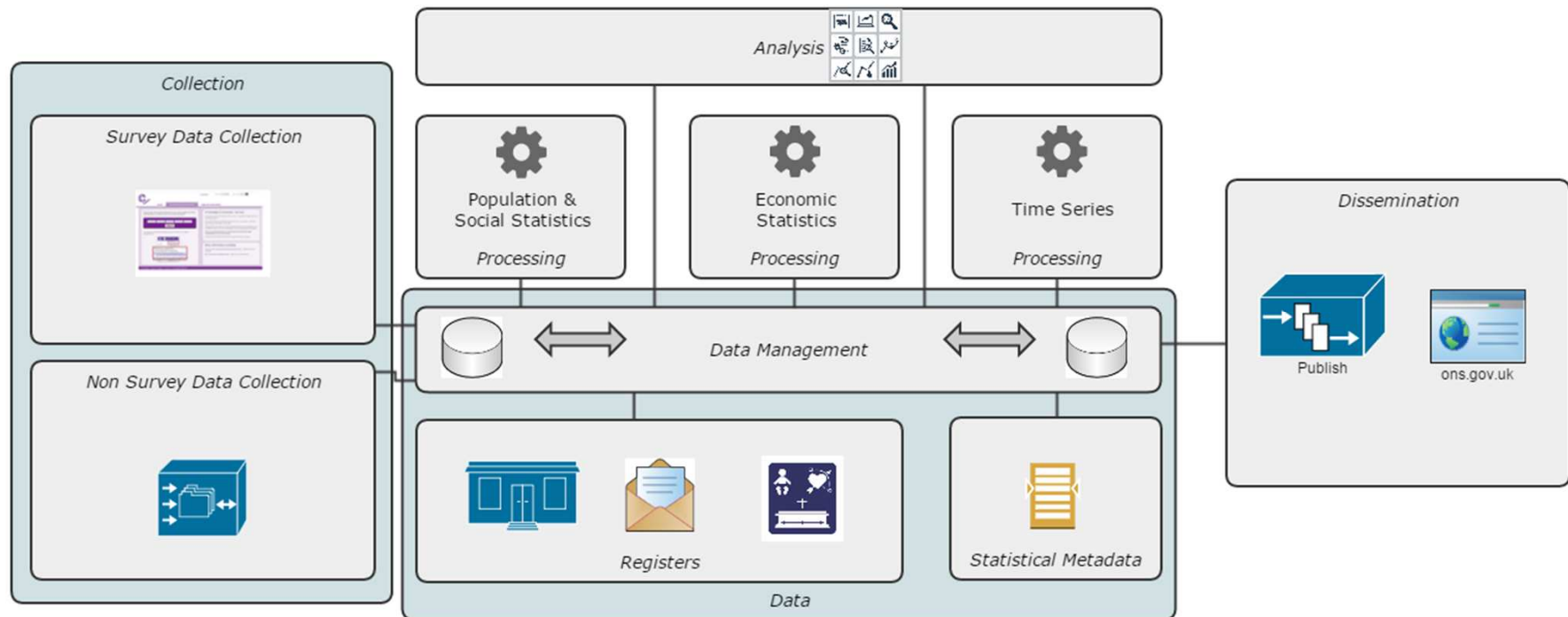
- An increasingly digital world
- A unique opportunity for NSIs
- Downward pressure on public spending
- External initiatives
- Competition from other providers of statistics

Transforming Technology

A unified approach...

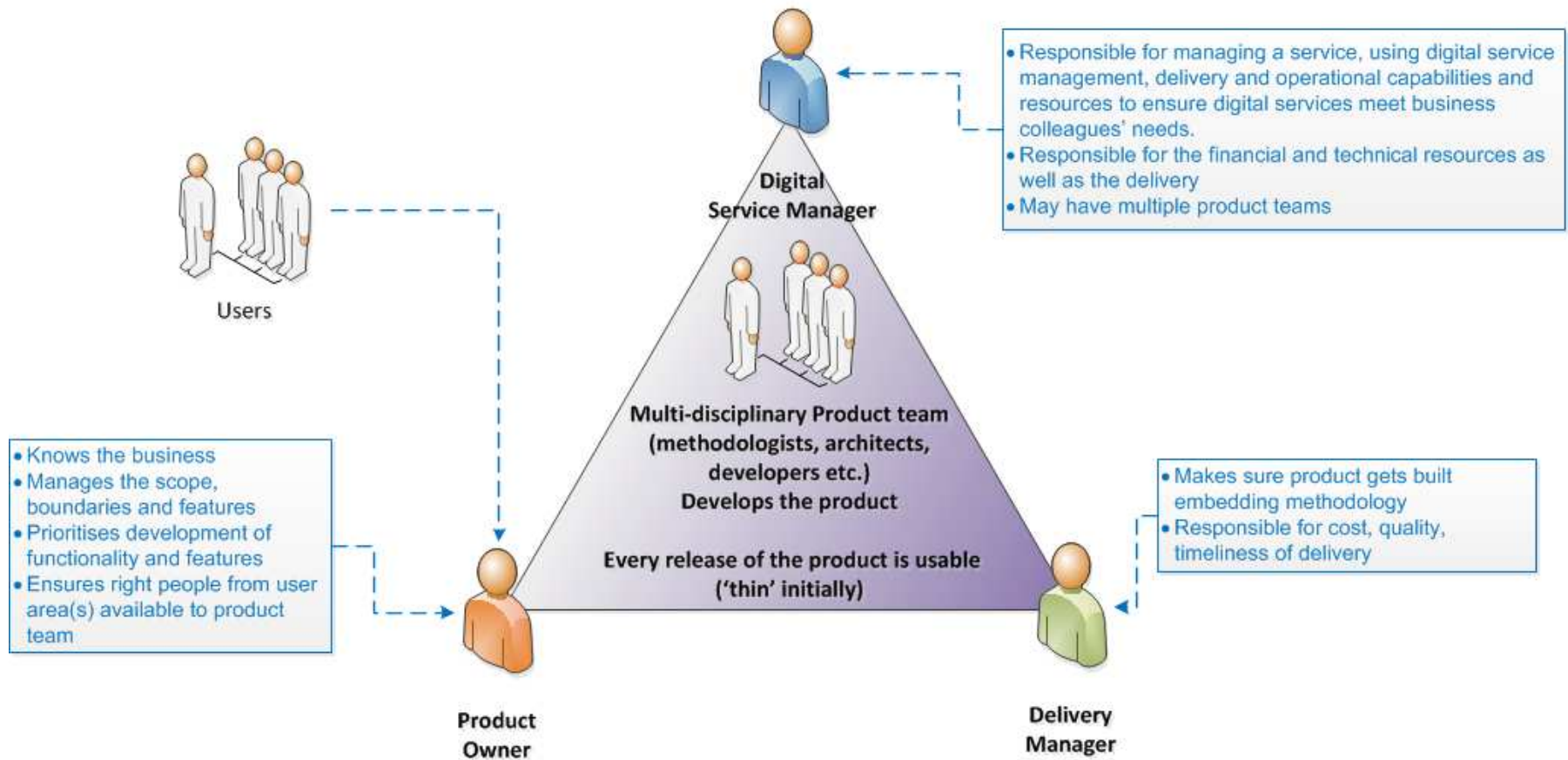


ONS Platforms



Transforming the workforce

The way we work...

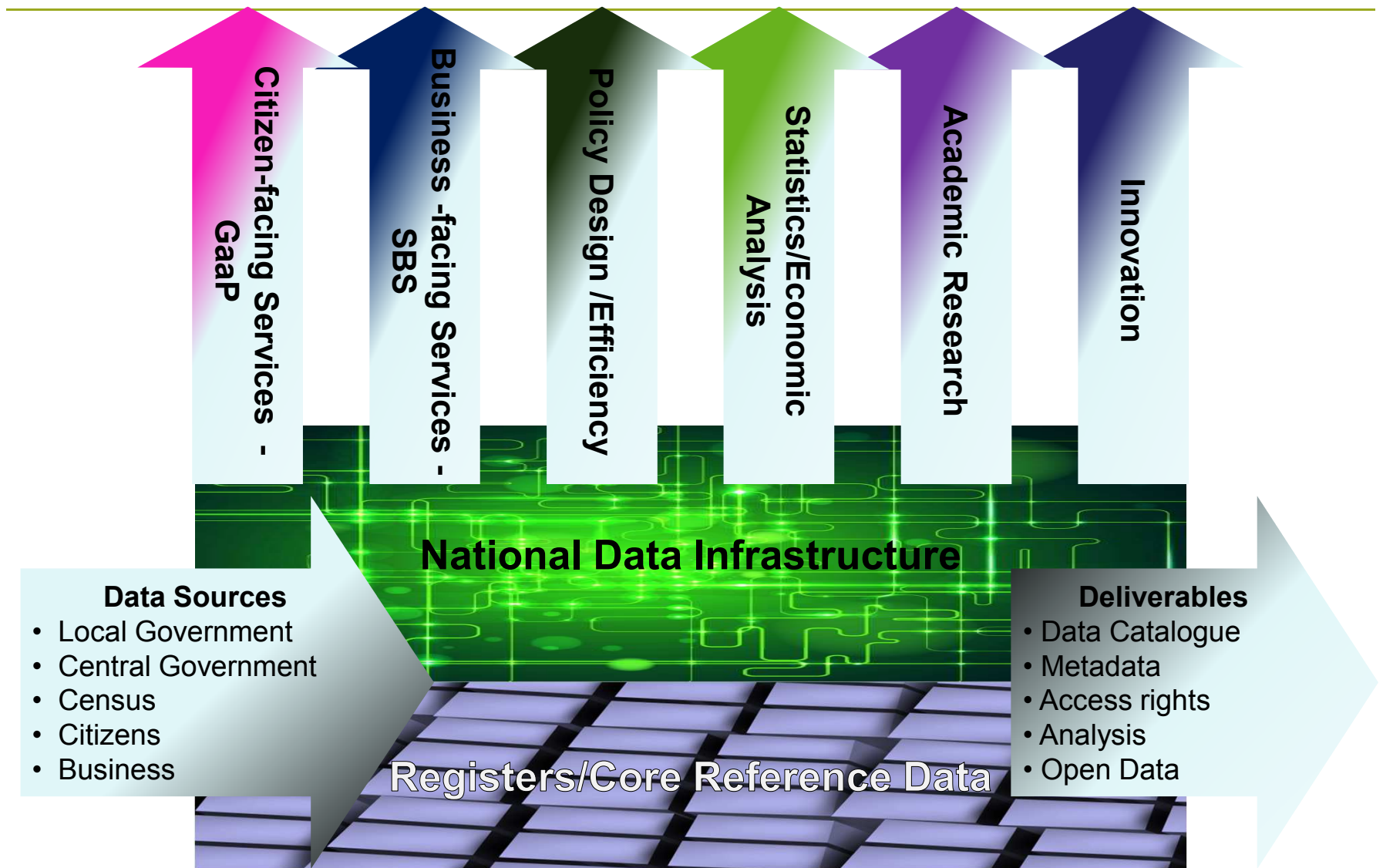


Exploiting data sources

How does ONS access data?



Public Data – driving Digital Transformation, Productivity & Growth



The Government Data Programme



Data Skills:

Open Data
Data Science
Data Literacy & Capability



Data Infrastructure:

APIs
Registers
Data Access Tools



Data Policy:

Legislation
Common Approaches
International Leadership



Data Programme Objectives

Better use of data for statistics/decision-making:

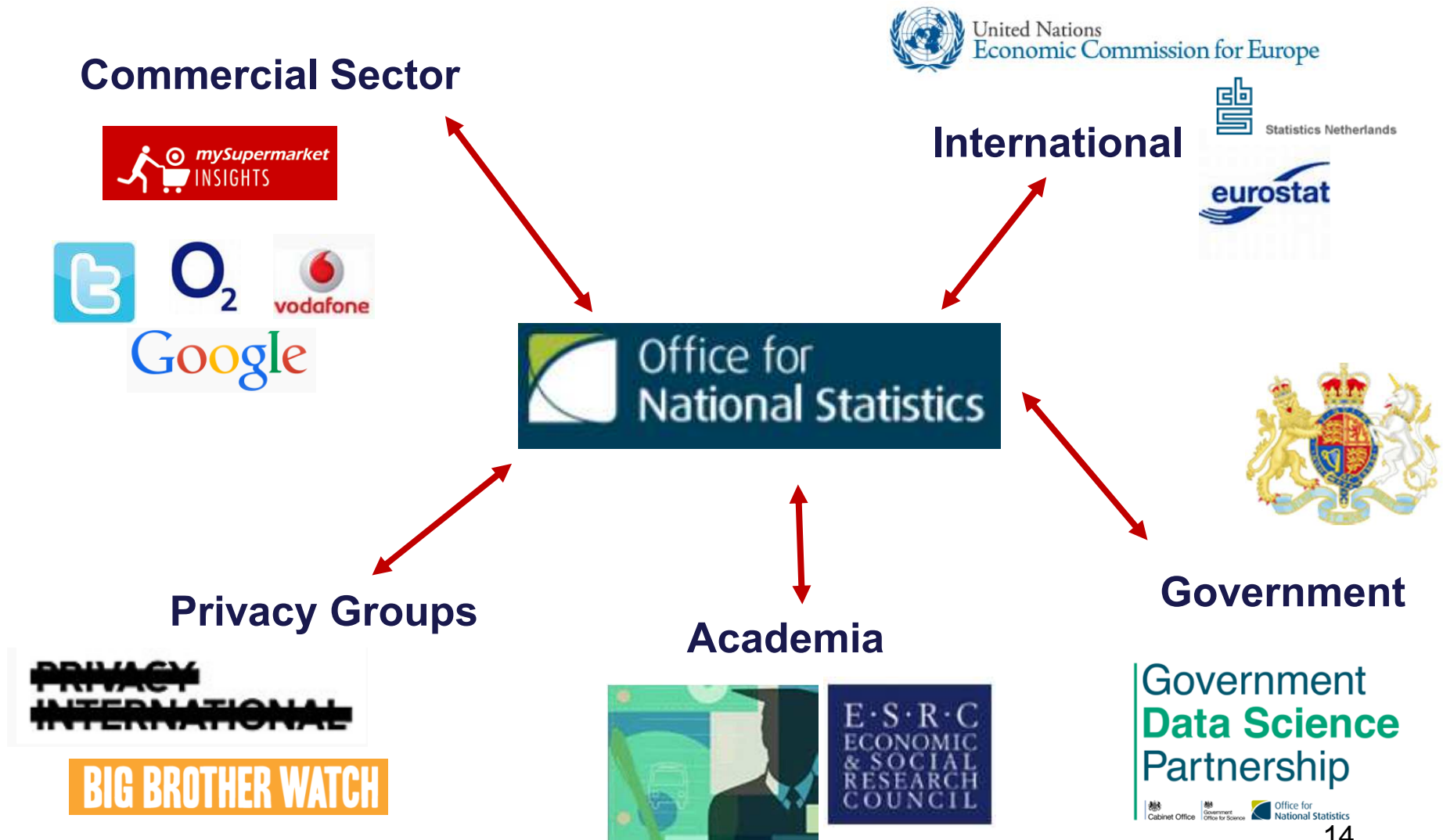
- Rationalise and modernise ONS data estate and analytical methods
- Use new data sources (administrative data, big data, private sector data)
- Electronic Data Collection
- Integrate with/support wider Government Data Programme:
 - Digital Transformation Plan
 - National Data Infrastructure & Registers
 - Government Survey Platform

Access to data

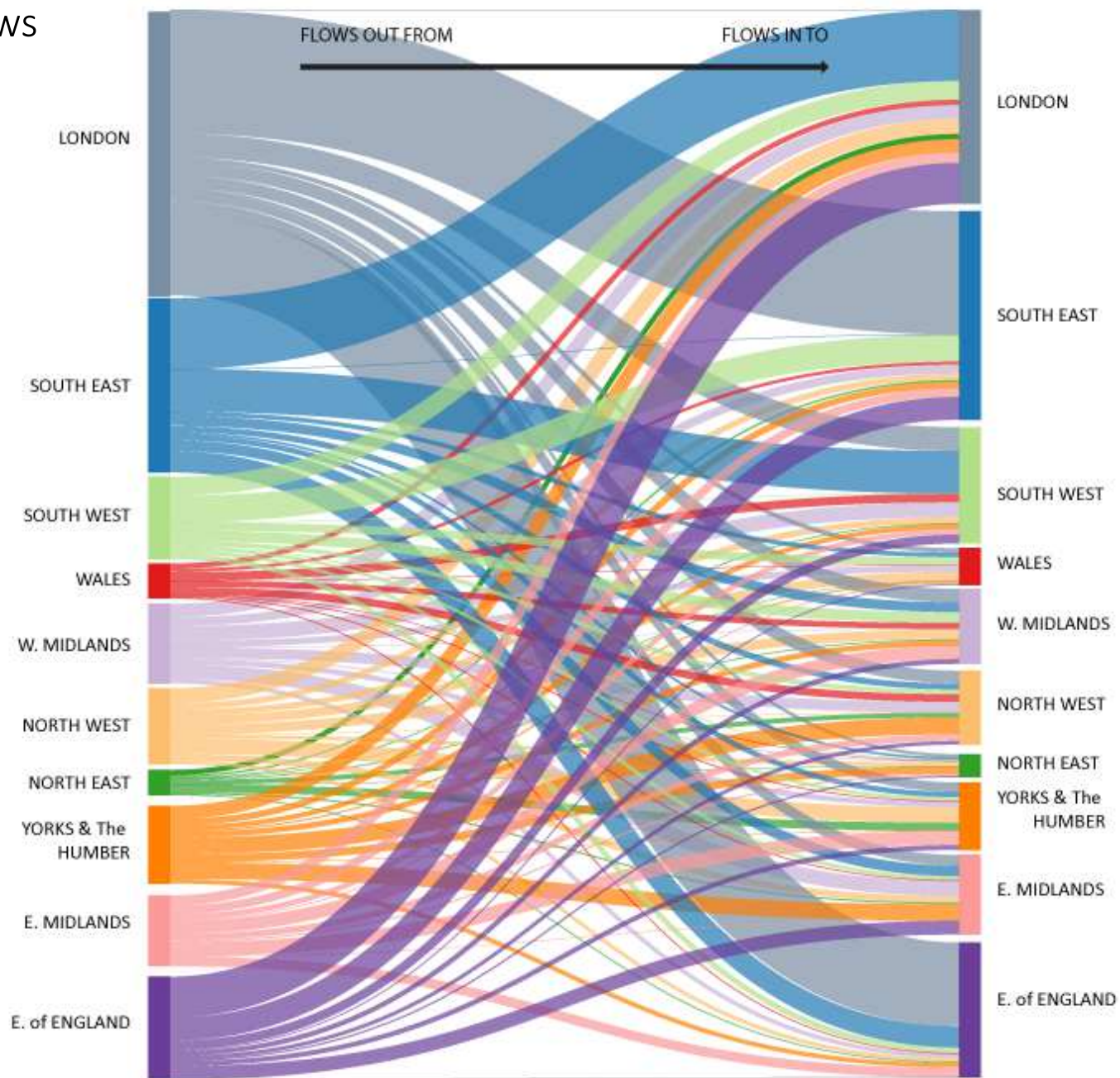
- Research and statistics
- Fraud and debt
- Public services
 - Troubled Families
 - Warm Homes
 - Births, deaths, marriages



Who we work with



Regional Migration Flows 2014-2015



What's Next?

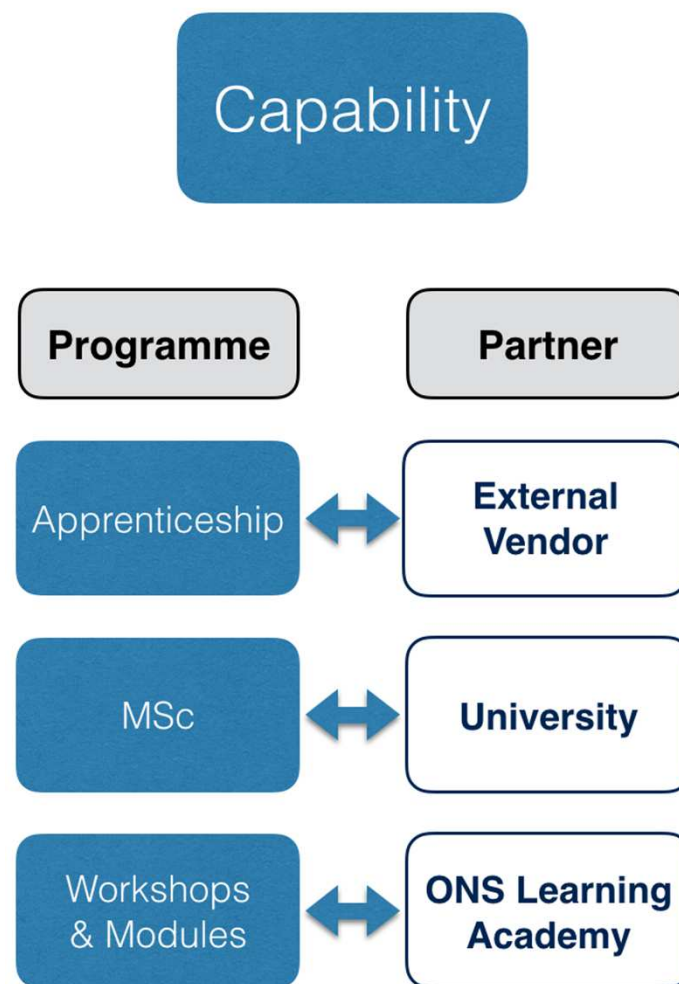
Data Campus - Building ONS Data Capability

Preparing for the future...

Launching in Sep 2017 **The Campus** will develop the next generation of data analysts, equipped with the skills to meet the future needs of ONS and UK society as a whole.

... through training today

Tailored apprenticeship and post-graduate programmes for ONS staff developed by **The Campus** in conjunction with external academic and industry partners and ONS Learning Academy.



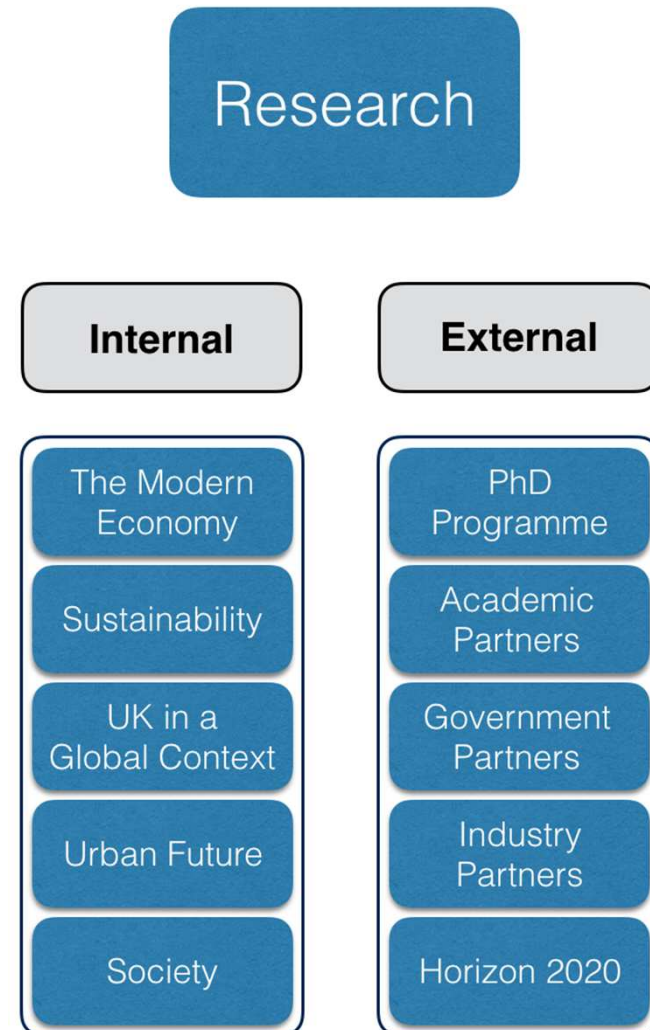
Data Campus - Research and Collaboration

Cutting Edge Research...

The **Campus** will be a world-class centre for Data Science and Data Engineering, bringing together Analysts, Data Scientists and Technologists.

... at the heart of Data Science

From funding opportunities for external PhD candidates through to joint research programmes with national and international partners, **The Campus** acts as a hub and incubator at the forefront of Data Science in the UK and beyond.



Any Questions?

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