

ODI

Open cities



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The ODI



**Sir Nigel
Shadbolt**
Chairman



**Sir Tim
Berners-Lee**
President

Founded in 2012, the Open Data Institute (ODI) is an international, independent and not-for-profit organisation based in London, UK.



Vision

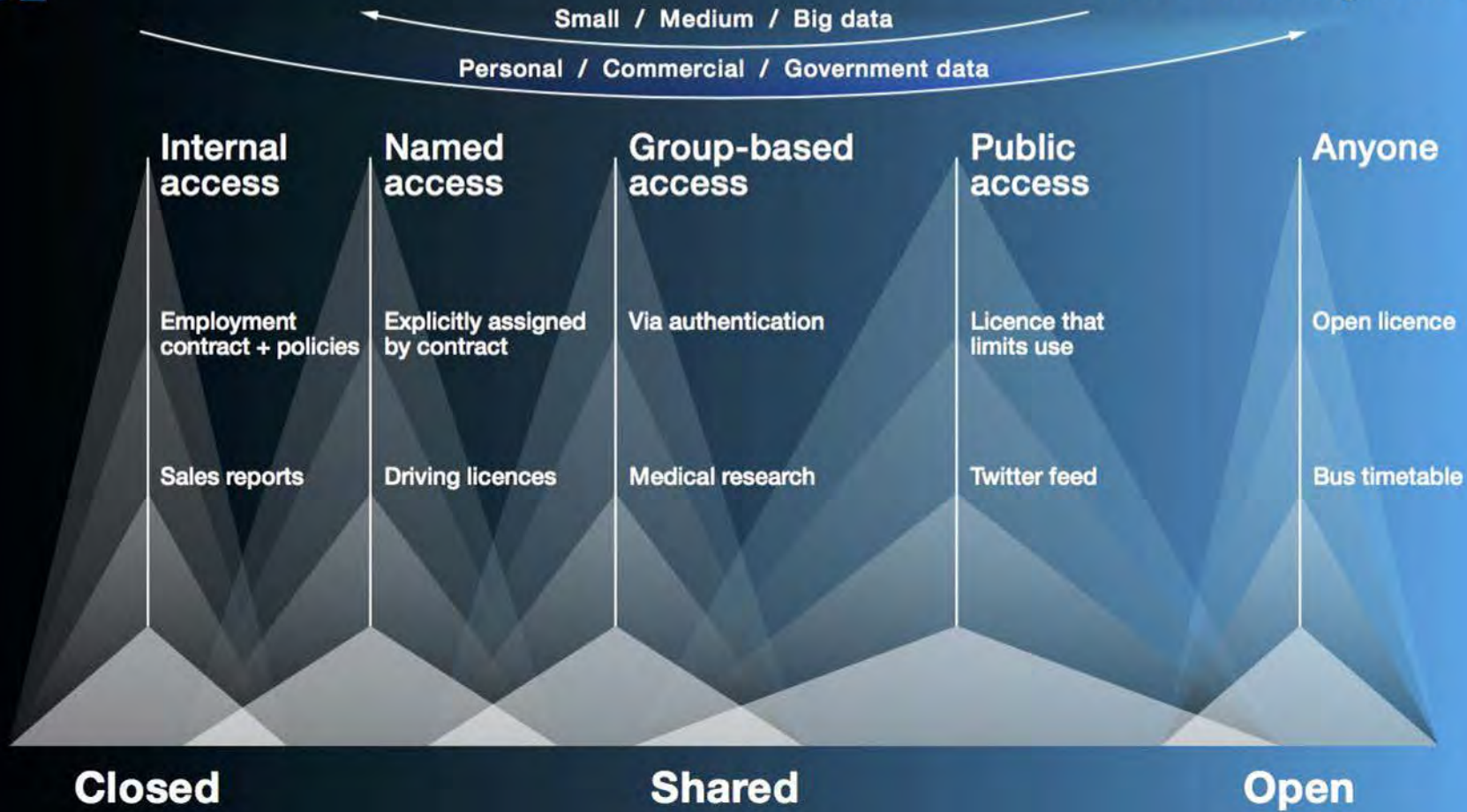
We want a world where
data works for everyone.



Mission

... +

We work with companies and
governments to build an open,
trustworthy data ecosystem.



Cities are complex.

Responsible for managing an elaborate ecosystem of sectors and people – in transport, planning, energy, emergency services and more.

Have to balance economic, political and societal pressures on a large scale.



Their complexity makes cities appealing

Tech companies market their smart products (sensors and systems) as being able to address these problems and radically improve cities (i.e. there is a lot of hype)



Potential problems with this:

















- ▶ Designing cities and services is hard!
- ▶ Privacy and surveillance
- ▶ Ethics of data collection and algorithmic decision making
- ▶ Technology is expensive
- ▶ Increasing data silos
- ▶ Data skills and literacy
- ▶ Problematic view of data

Open City

At the Open Data Institute (ODI) we advocate for, and support, an open culture. This involves **data infrastructure** that is as **open as possible**; encouraging **data literacy** and capability for all, and advocating for **open innovation**. Underpinning these activities should be a commitment to increasing the trustworthiness of cities to use technology.

This means:

- building ethical considerations into how data is collected, managed and used
- ensuring equity around who accesses, uses and benefits from data
- engaging widely with affected people and organisations.

| | 1 Better access to public services | 2 More efficient service delivery chains | 3 More informed policy development |
|-------------------------|--|--|--|
| Direct beneficiaries |  Citizens  Businesses |  Commissioners  Managers  Frontline staff |  Public sector workers  Elected representatives |
| Decisions/actions taken |  How and where to access public services |  Where to prioritise operational resources |  Where to target policy interventions |
| Information produced |  Targeted service information |  Insight and patterns |  Data visualisations and analyses |
| Types of data |  Open real-time service data |  Open performance data |  Open data across government |

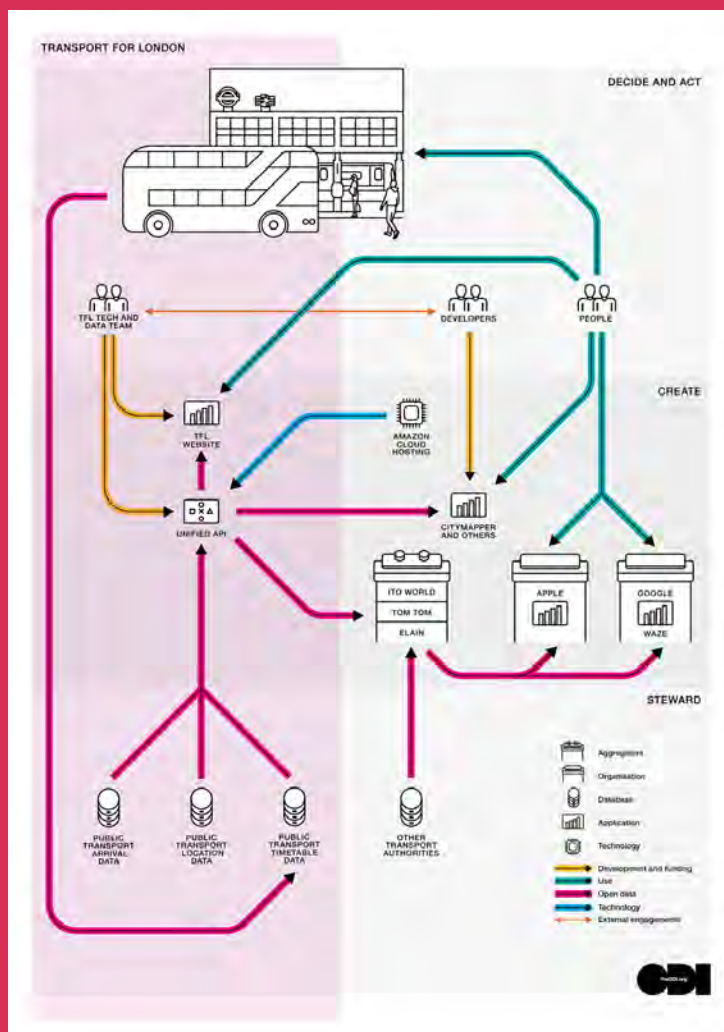
Transport for London's open data initiative

- Pioneers of open data, launched initiative 10 years ago
- New products, services and applications
- Massive monetary impact - more than £130m worth of efficiency gains and savings
 - £11bn longer term
 - £15bn cost of not opening/sharing transport data



Photo by [Dan Roizer](#) on [Unsplash](#)

Transport for London release of transport data



City reflections

What are 3 barriers, opportunities, and risks to data sharing in your City?

Our theory of change

We want those who steward data and those who create information from this data to act in ways that lead to the best social and economic outcomes for everyone



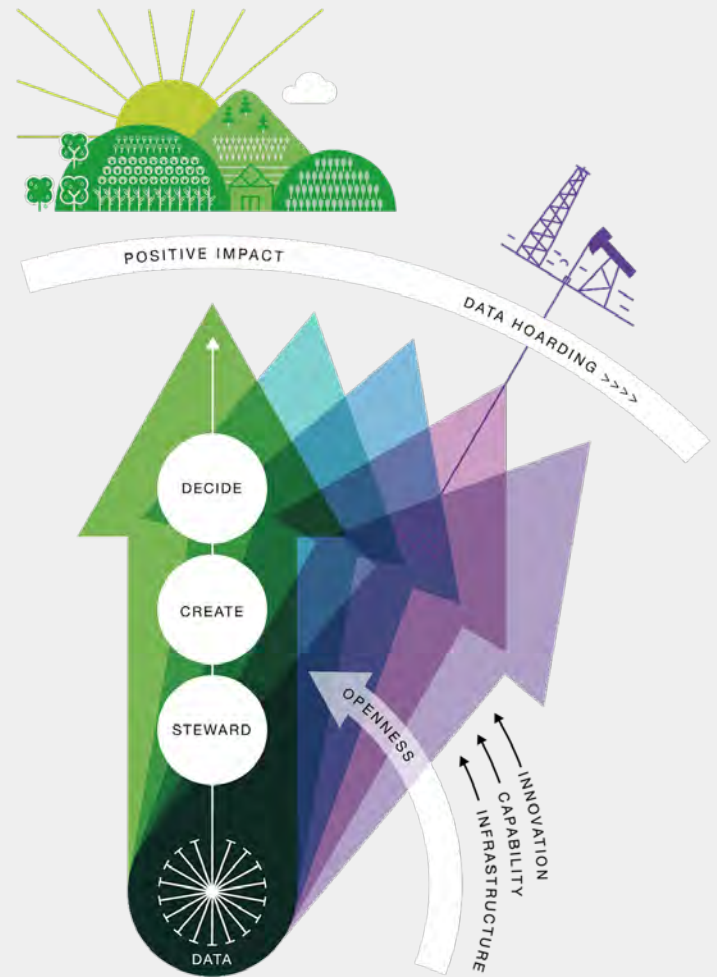
Data hoarding dystopia

‘Data is oil’ attitude

Vertical, in-department data use

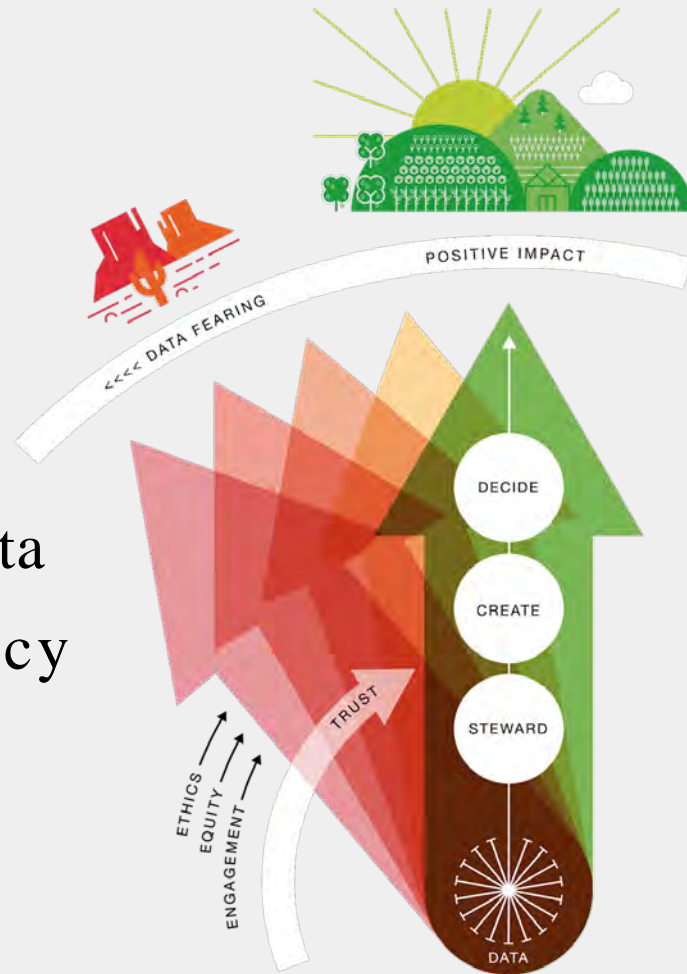
Narrow decision maker needs

Inappropriate and unsustainable funding models



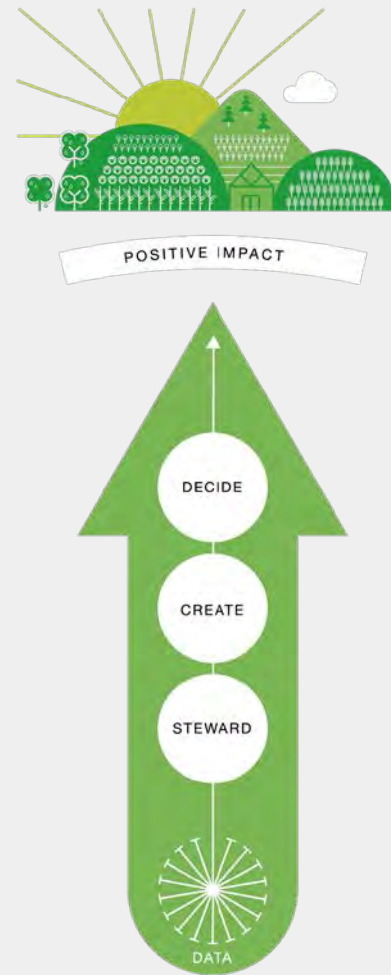
Data fearing dystopia

Not collecting and using data
Lack of data skills and literacy
Withdrawal of consent
Misleading data



Getting value from data

Participatory decision-making
Data-driven public services
Efficient policy & service delivery
Requires active stewardship to share data



BA Elige

- City of BA launched the Elige Project to increase public participation and decision-making - allowing residents to submit and vote on ideas to improve the city
- In 2019, 28,000 proposals were submitted, 107,000 supported, 25,000 votes, and 108 chosen projects - with all decisions being made on an open platform
- Similar project in Kenya with the Huduma White Box and CoJ Innovation challenge



PetaJakarta

- The city of Jakarta launched Peta Jakarta to aid in damage mitigation of the annual monsoon season
- PetaJakarta leverages community participation to report flood-related Tweets and provide live updates for faster response times during flooding emergencies.
- Similar initiative have started in SA such as OpenOcean in Durban



596 Acres

- NYC based citizen driven initiative turning publicly available data into interactive maps to drive citizen engagement within the city.
- Residents find, unlock and protect shared green spaces/ vacant lots, and drive civic action on the future of their neighbourhood's shared spaces.
- 22 groups have received official permission to access lots, transforming 4.2 acres into open community spaces.



Data and Public Services Toolkit



Data ecosystem mapping tool



Data Ethics Canvas

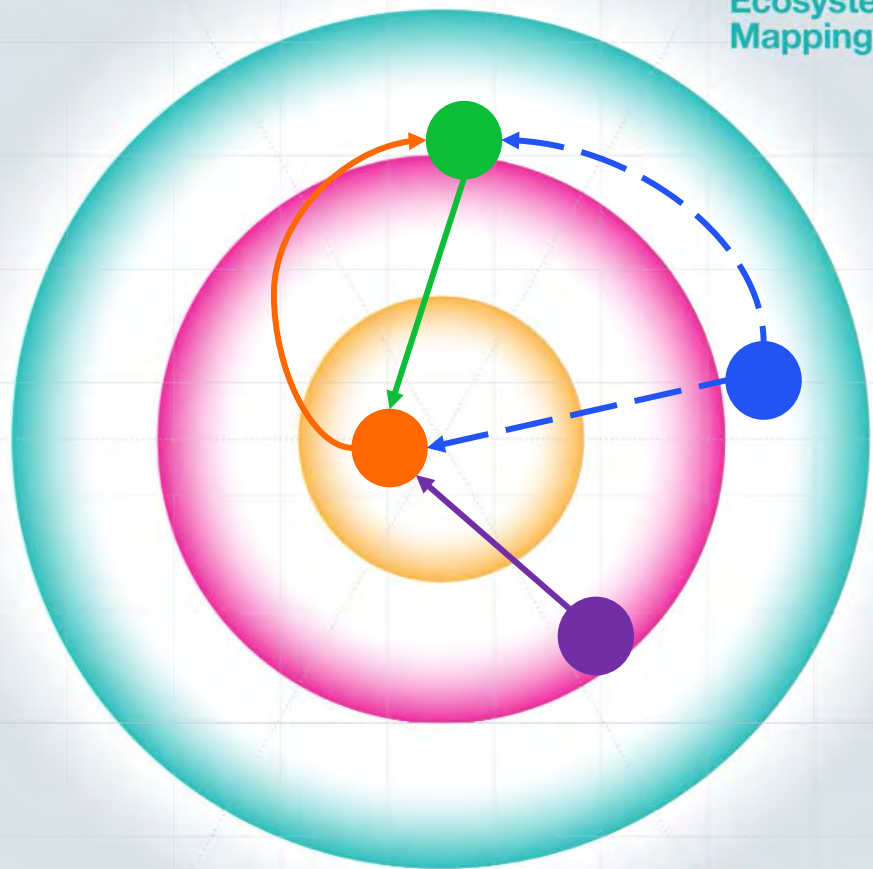


Data skills framework



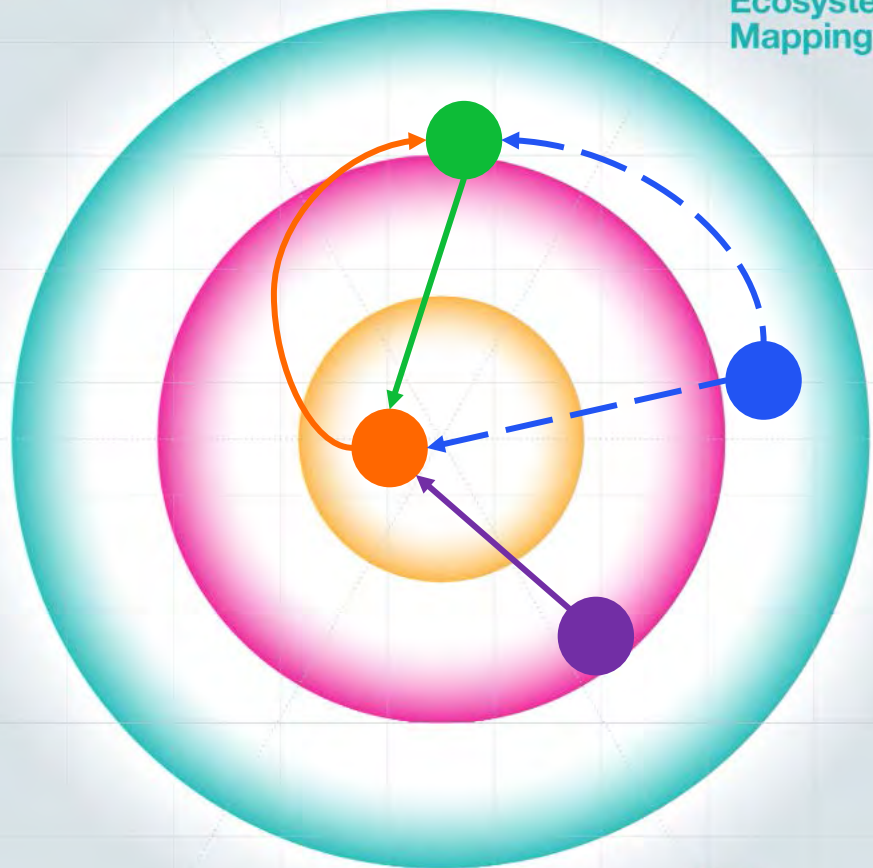
City exercise

Design your ideal data ecosystem that will create value
for citizens



Project name:
Date:

Data ecosystem maps help to **visualise, understand and communicate** how data is **published, accessed, shared,** and used by different **people and organisations.**



Project name:
Date:

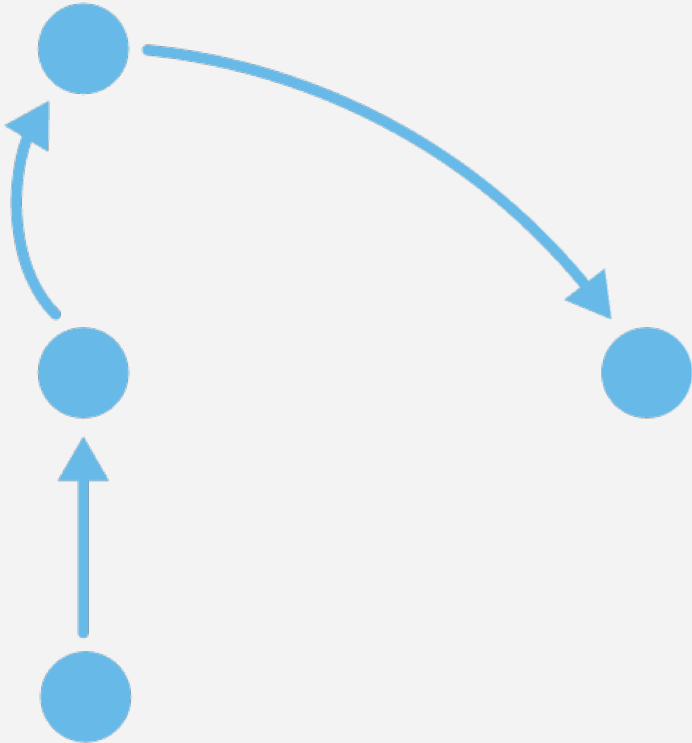
- Understand and explain where and how the use of **data creates value**
- Identify the key users and their **relationships**
- Understand the different roles **stakeholders** play

Mapping data ecosystems

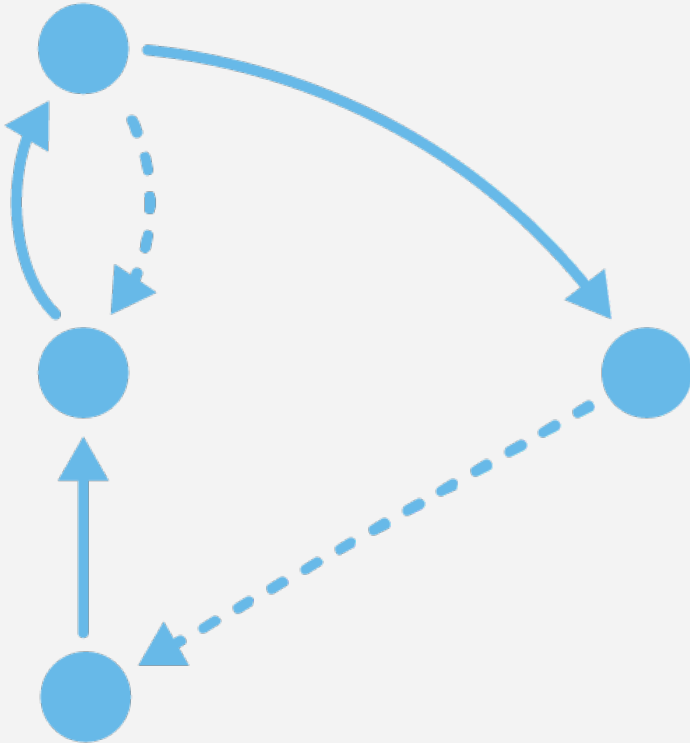
1. map the actors and technologies



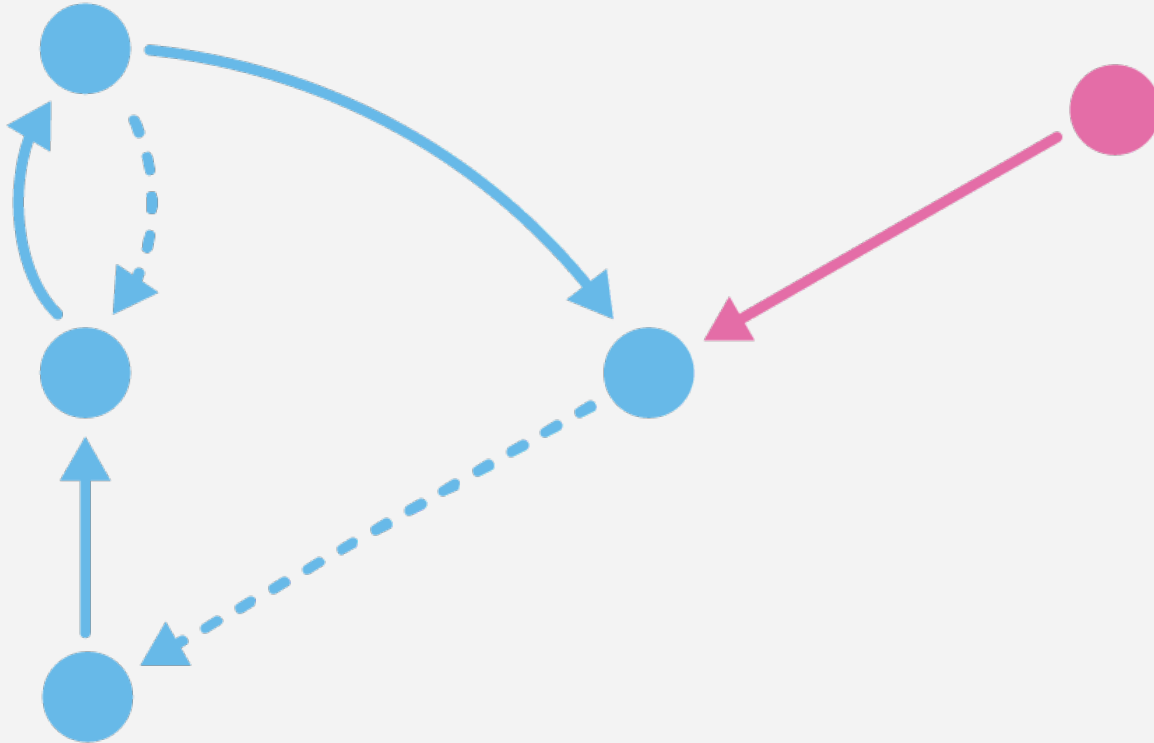
Mapping data ecosystems
2. Follow the data

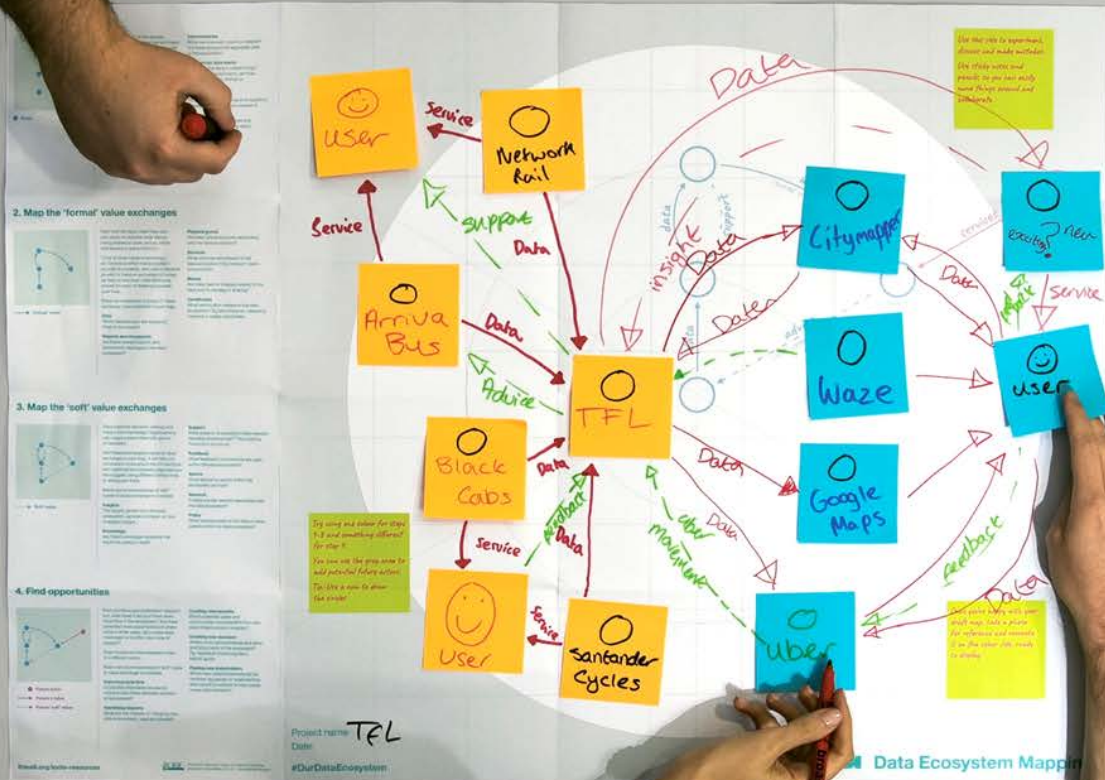


Mapping data ecosystems
3. Follow the insights



Mapping data ecosystems
4. Find opportunities





Any
questions?

