The ODI

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

Sir Nigel Shadbolt
Chairman

Sir Tim Berners-Lee
President
We want a world where data works for everyone.

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

- Small / Medium / Big data
- Personal / Commercial / Government data

Internal access:
- Employment contract + policies
- Sales reports

Named access:
- Explicitly assigned by contract
- Driving licences

Group-based access:
- Via authentication
- Medical research

Public access:
- Licence that limits use
- Twitter feed

Anyone:
- Open licence
- Bus timetable

Closed

Shared

Open

theodi.org/data-spectrum
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.
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Case studies

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
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
Case studies

**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.
Case studies

**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 initiatives have started in SA such as [OpenOcean](http://www.openocean.org) in Durban.
Case studies

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

RESEARCH & DEVELOPMENT

DATA AND PUBLIC SERVICES TOOLKIT GUIDE + CHECKLIST
Data ecosystem mapping tool
Data Ethics Canvas
Data skills framework
City exercise
Design your ideal data ecosystem that will create value for citizens
Data ecosystem maps help to visualise, understand and communicate how data is published, accessed, shared, and used by different people and organisations.
- 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
Any questions?