

# The golden record: a single source of truth in data management

Tuesday 11 May 2021, 14:30 BST

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GLOBAL  
**government**  
FORUM

Knowledge Partner

 **IDEMIA**  
augmented identity

# Data as a Product

and the Standards Evangelism



**The National Digital Ministry**  
Government ICT Authority



# Data Standardization in the Israeli Government

## Where We Started

Fragmented and distributed data

excessive efforts and resources dedicated to making data useful and interoperable

## Where we want to be

A common data model describing the core government entities and domains as a shared government language

## How we plan to get there

Evangelizing the concept of data standardization –  
**from byproduct to product**



## Data as a Product

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Discoverable



Trustworthy



Interoperable



Self-describing



## The challenges

**1**

**Distributed governance structure**

**2**

**Legacy IT systems**

**3**

**Organizational culture and data literacy**



**The National Digital Ministry**  
Government ICT Authority

**Thanks!**

Rachel Ran

Data Policy Manager

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11 May 2021

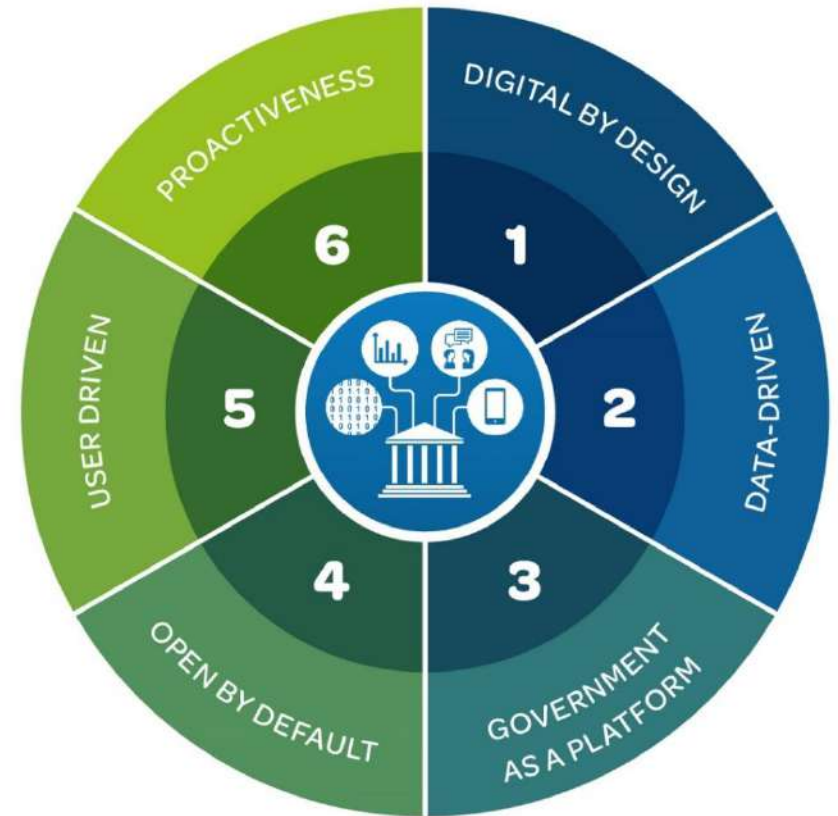
# The golden record: a single source of truth in data management

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Public Governance Directorate



# OECD Digital Government Policy Framework



OECD Digital Government Policy Framework

<https://oe.cd/il/diggovframework>

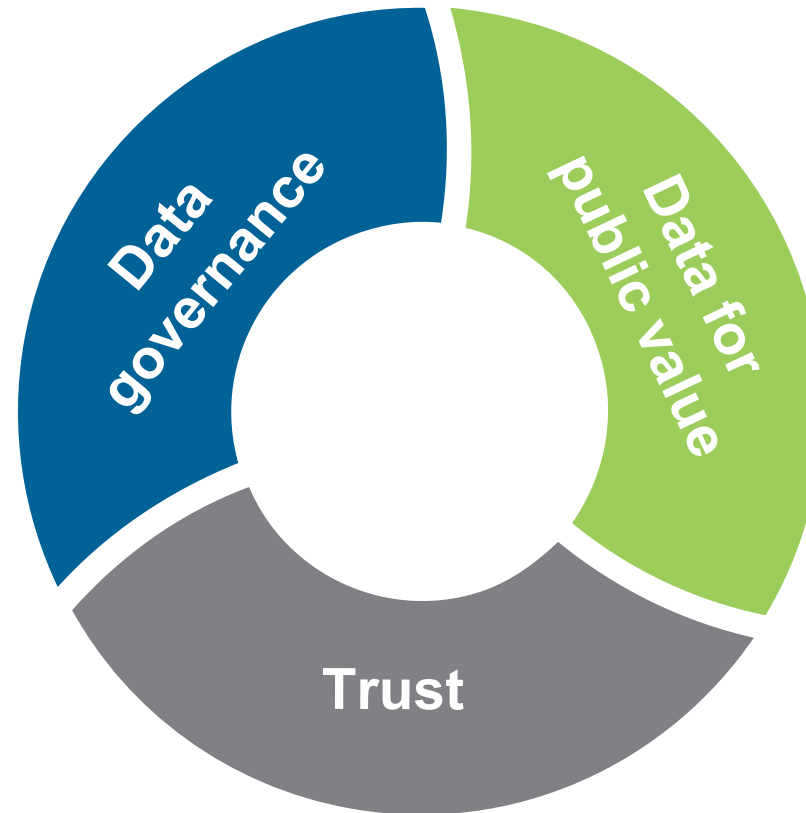




# OECD Framework for a Data-Driven Public Sector

<https://oe.cd/il/ddps>

- Leadership and vision
- Coherent implementation
- Rules and guidelines
- Data infrastructure
- Data architecture
- Data value cycle



- Anticipating and planning
- Delivery
- Evaluation and monitoring

Ethics

Privacy and consent

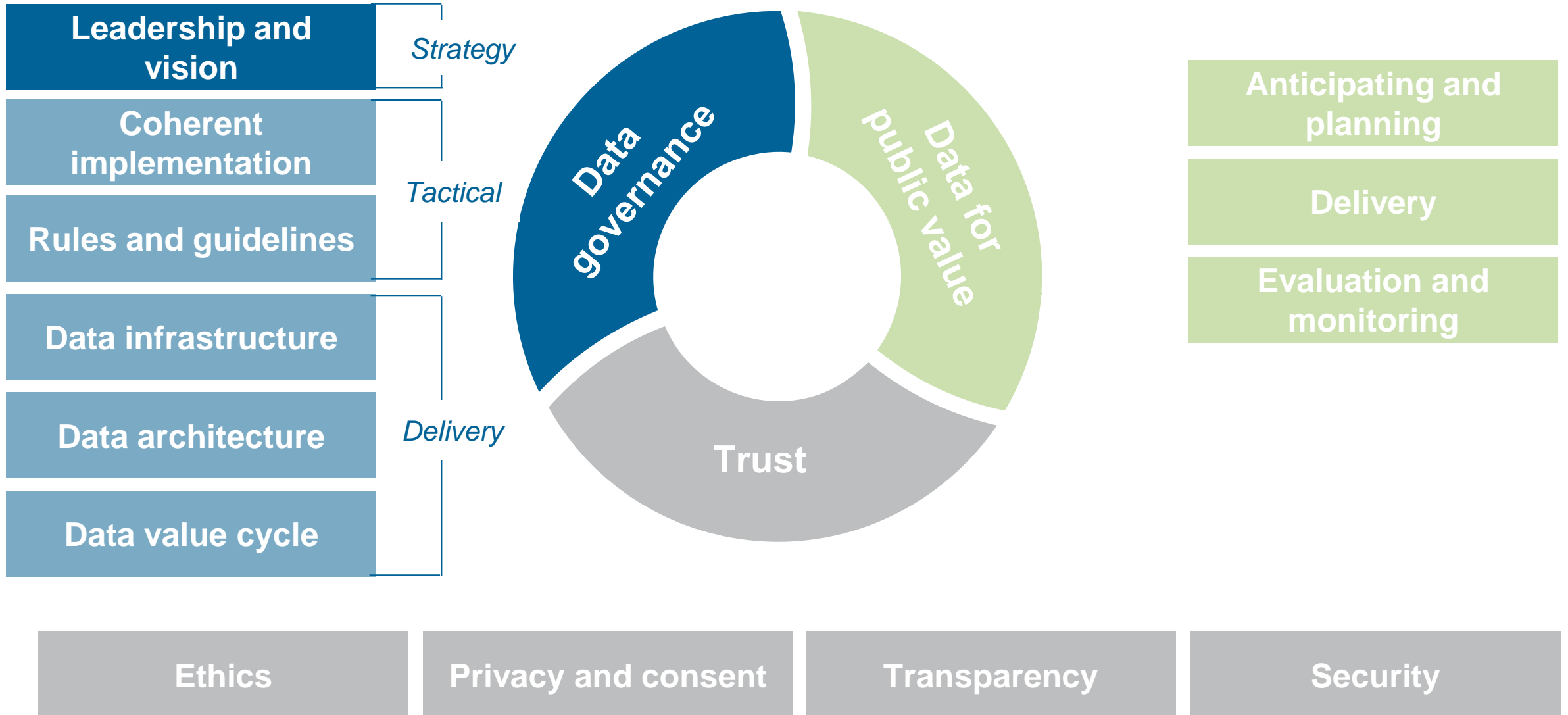
Transparency

Security



# OECD Framework for a Data-Driven Public Sector

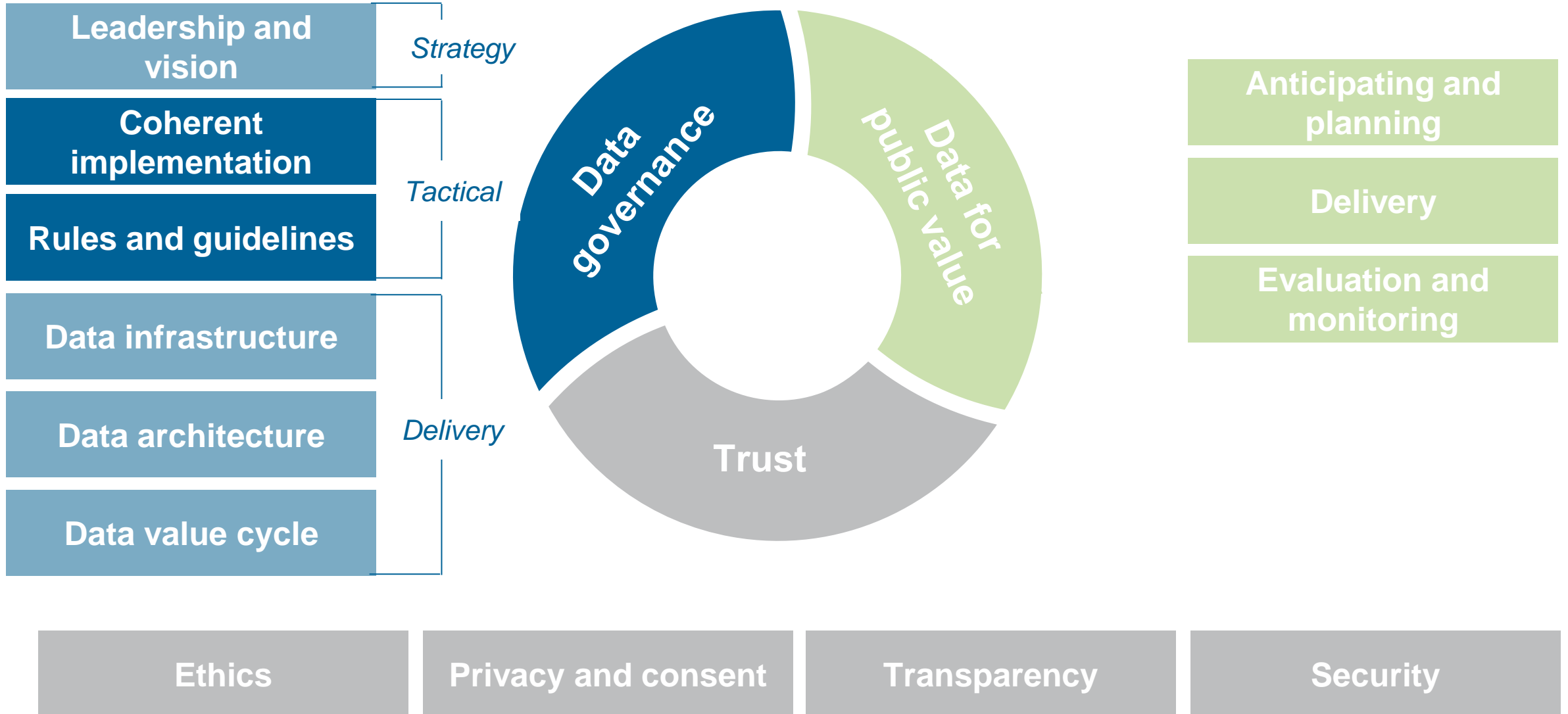
<https://oe.cd/il/ddps>





# OECD Framework for a Data-Driven Public Sector

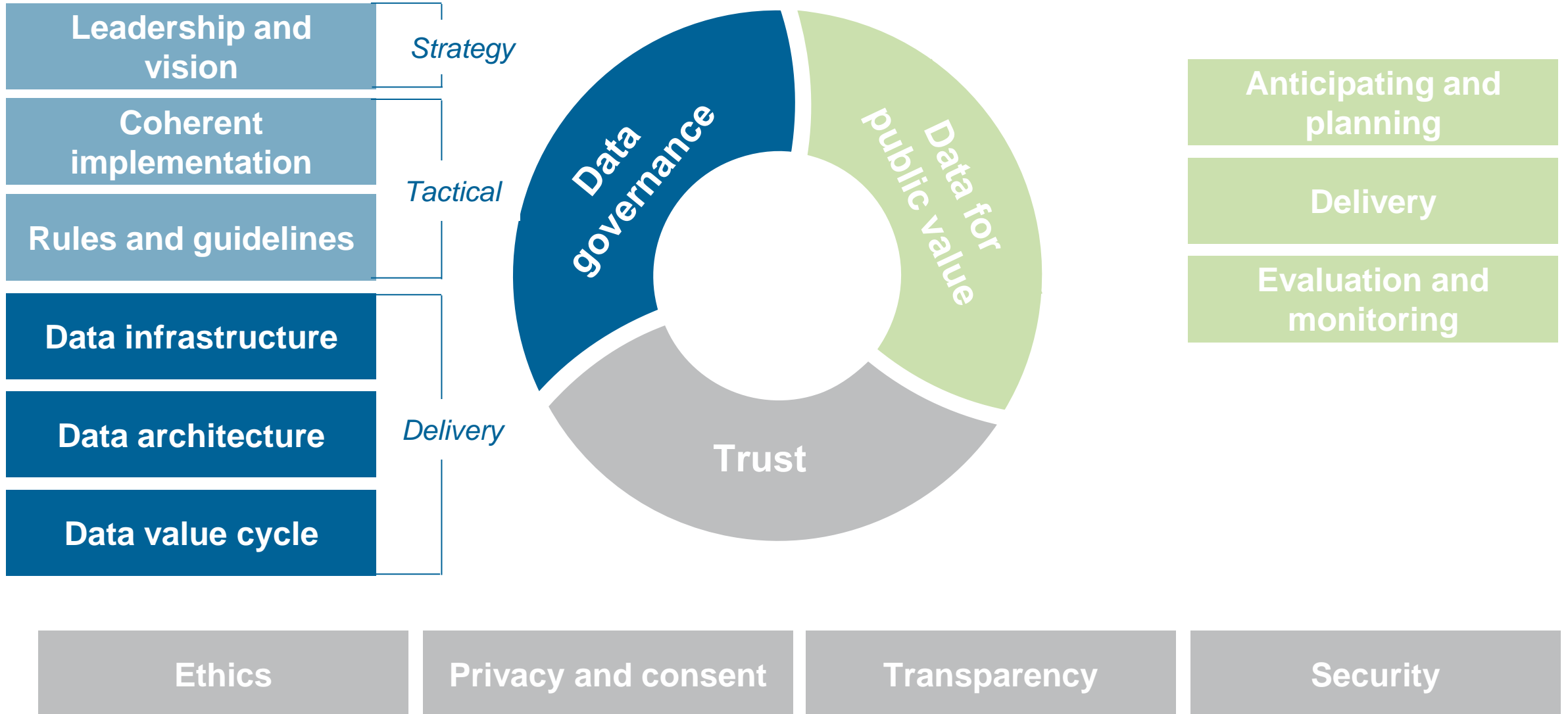
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# OECD Framework for a Data-Driven Public Sector

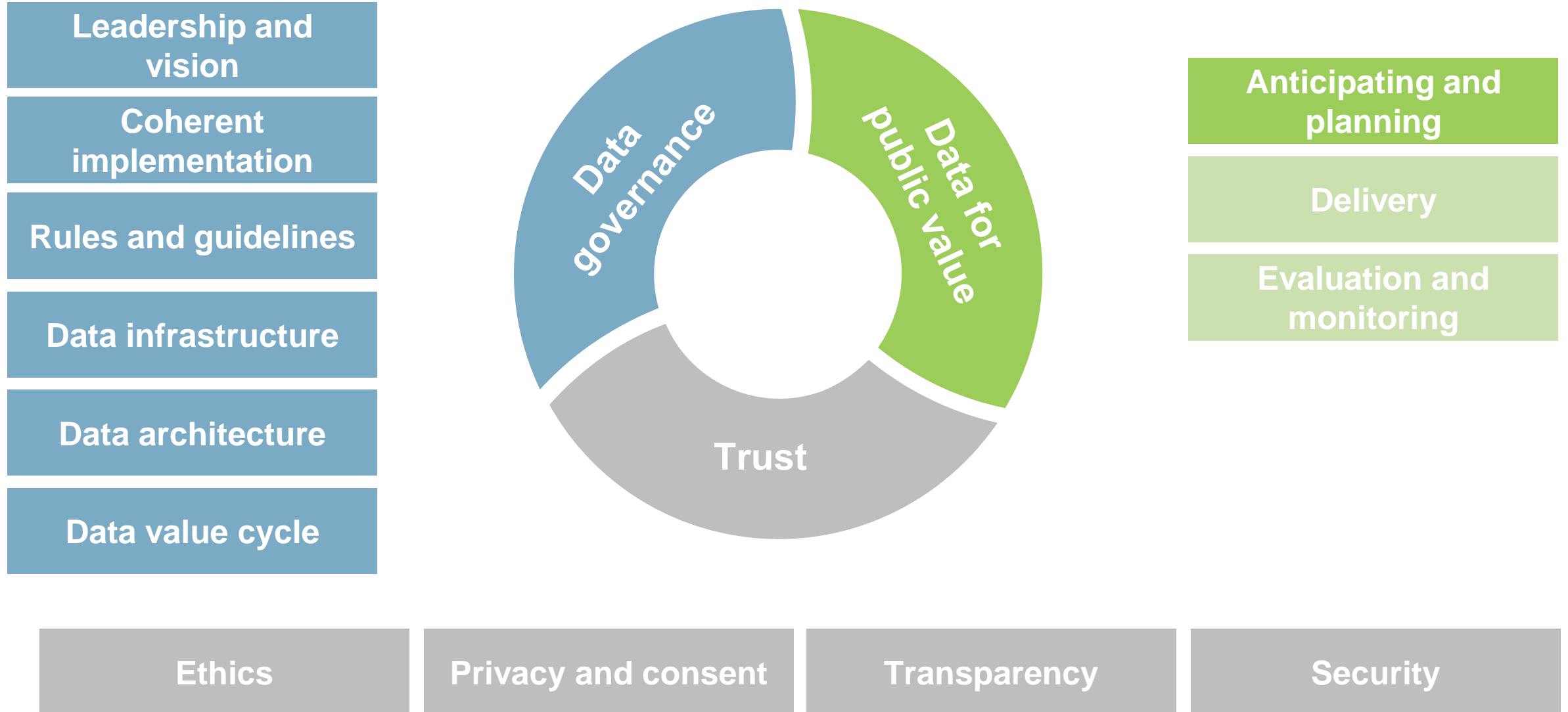
<https://oe.cd/il/ddps>





# OECD Framework for a Data-Driven Public Sector

<https://oe.cd/il/ddps>



# Good Practice Principles for Data Ethics in the Public Sector

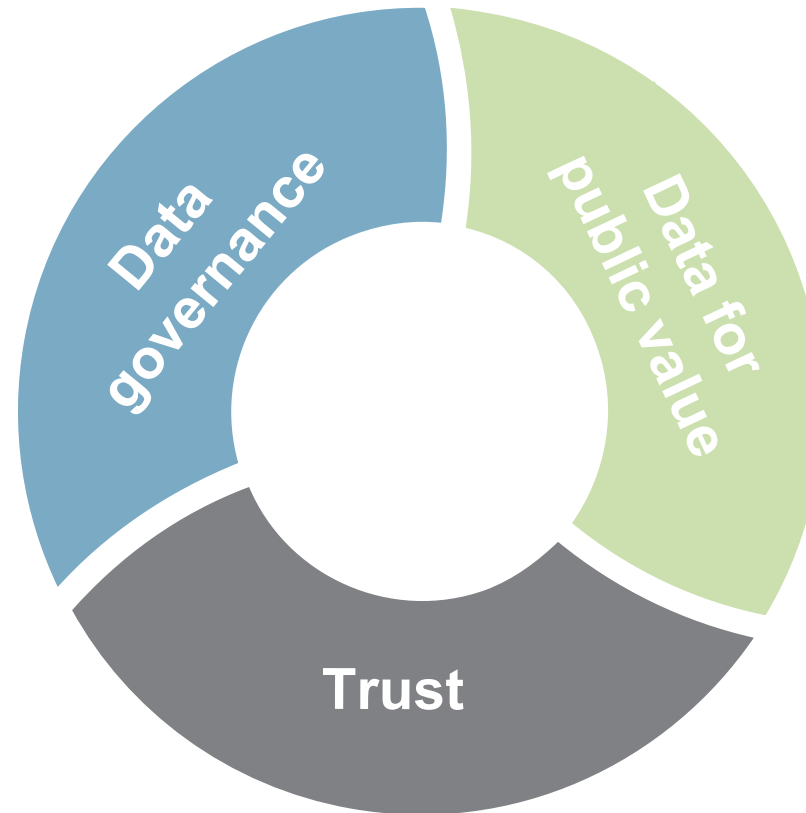
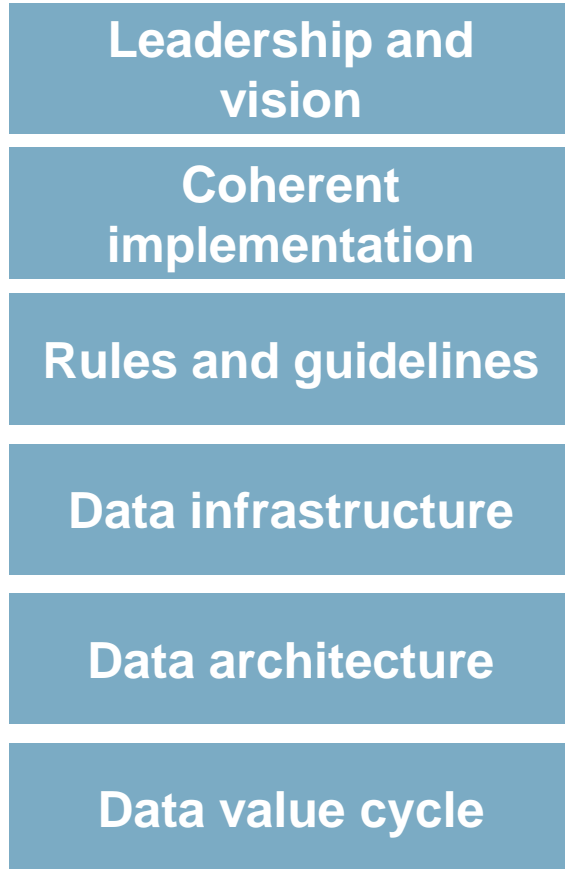
<https://oe.cd/dataethics>

1. Manage data with integrity
2. Be aware of and observe relevant government-wide arrangements for trustworthy data access, sharing and use
3. Incorporate data ethical considerations into governmental, organisational and public sector decision-making processes
4. Monitor and retain control over data inputs, in particular those used to inform the development and training of AI systems, and adopt a risk-based approach to the automation of decisions
5. Be specific about the purpose of data use, especially in the case of personal data
6. Define boundaries for data access, sharing and use
7. Be clear, inclusive and open
8. Publish open data and source code
9. Broaden individuals' and collectives' control over their data
10. Be accountable and proactive in managing risks



# OECD Framework for a Data-Driven Public Sector

<https://oe.cd/il/ddps>



Ethics

Privacy and consent

Transparency

Security

# What are we seeing around the world?



- Base registers
- Identity cards

- Various data sources
- No single or national identity card



## Federation in common



- Recognising responsibility and expertise for particular sources of data
- Removing the barriers to data access and sharing
- Designing services to minimise the need for data to flow



## Trust and consent



- How to give citizens visibility of data access?
- How to help them understand the potential for increased sharing and reuse?



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**Data driven nation: lost in data space?**

# **Making information move faster**

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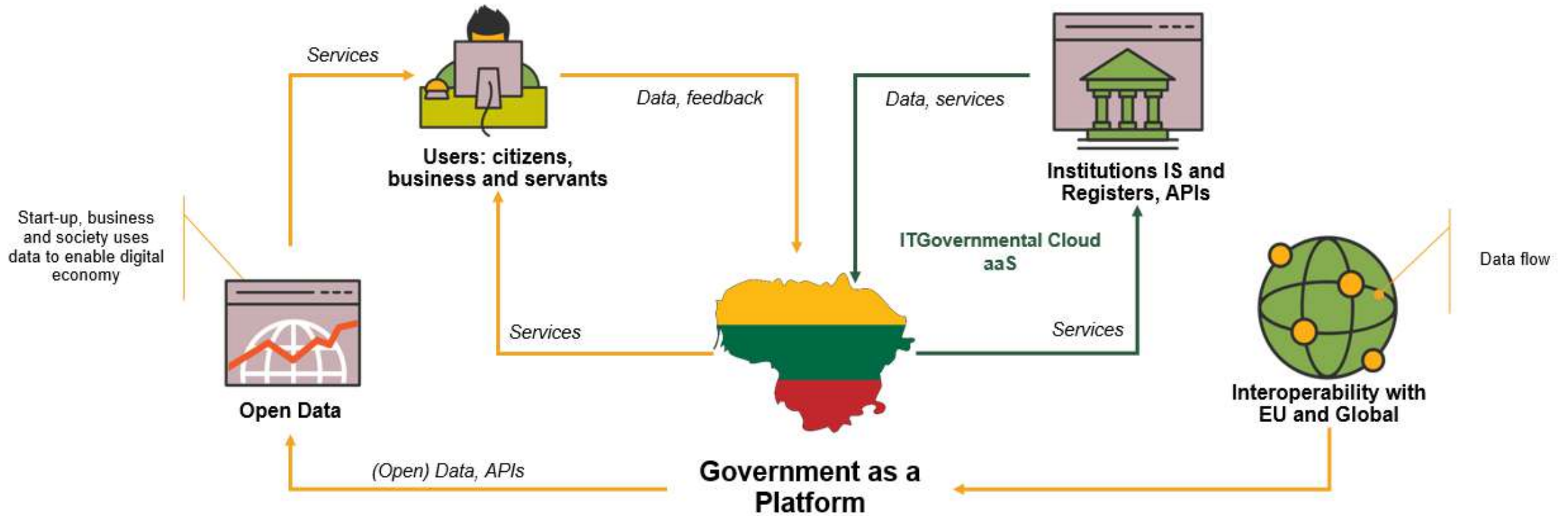
2021

Gintautas Mežetis

Director

Information Society Development Committee, Lithuania

# DIGITAL GOVERNMENT

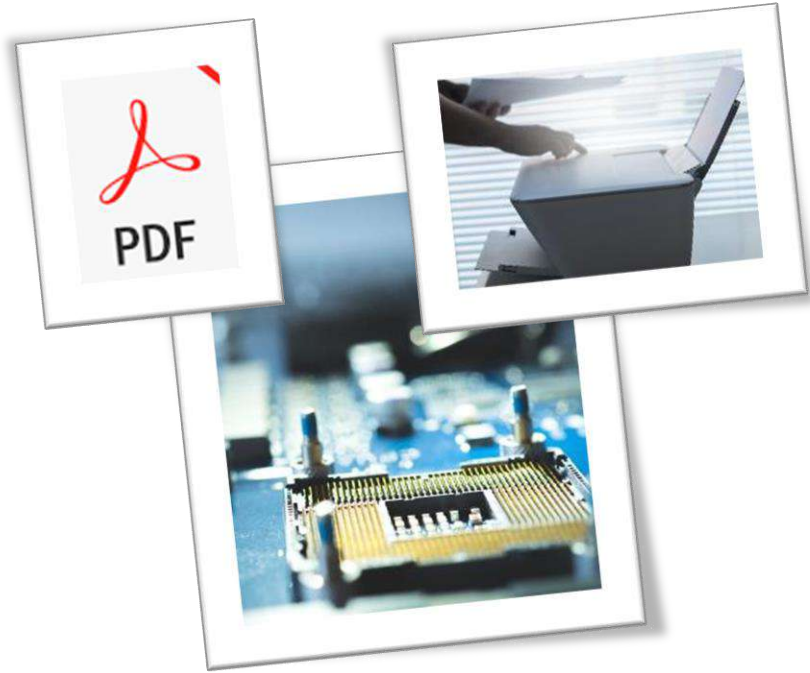




# From **E**lectronic to **D**igital

Over 90% of public services in Lithuania are available online

European Commission, eGovernment benchmark, 2018



It's hard to find information  
Difficult to analyze  
Difficult to update  
**Handled by human**

```
{  
  "orders": [  
    {  
      "orderno": "748745375",  
      "date": "June 30, 2088 1:54:23 AM",  
      "trackingno": "TN0039291",  
      "custid": "11045",  
      "customer": [  
        {  
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          "fname": "Sue",  
          "lname": "Hatfield",  
          "address": "1409 Silver Street",  
          "city": "Ashland",  
          "state": "NE",  
          "zip": "68003"  
        }  
      ]  
    }  
  ]  
}
```

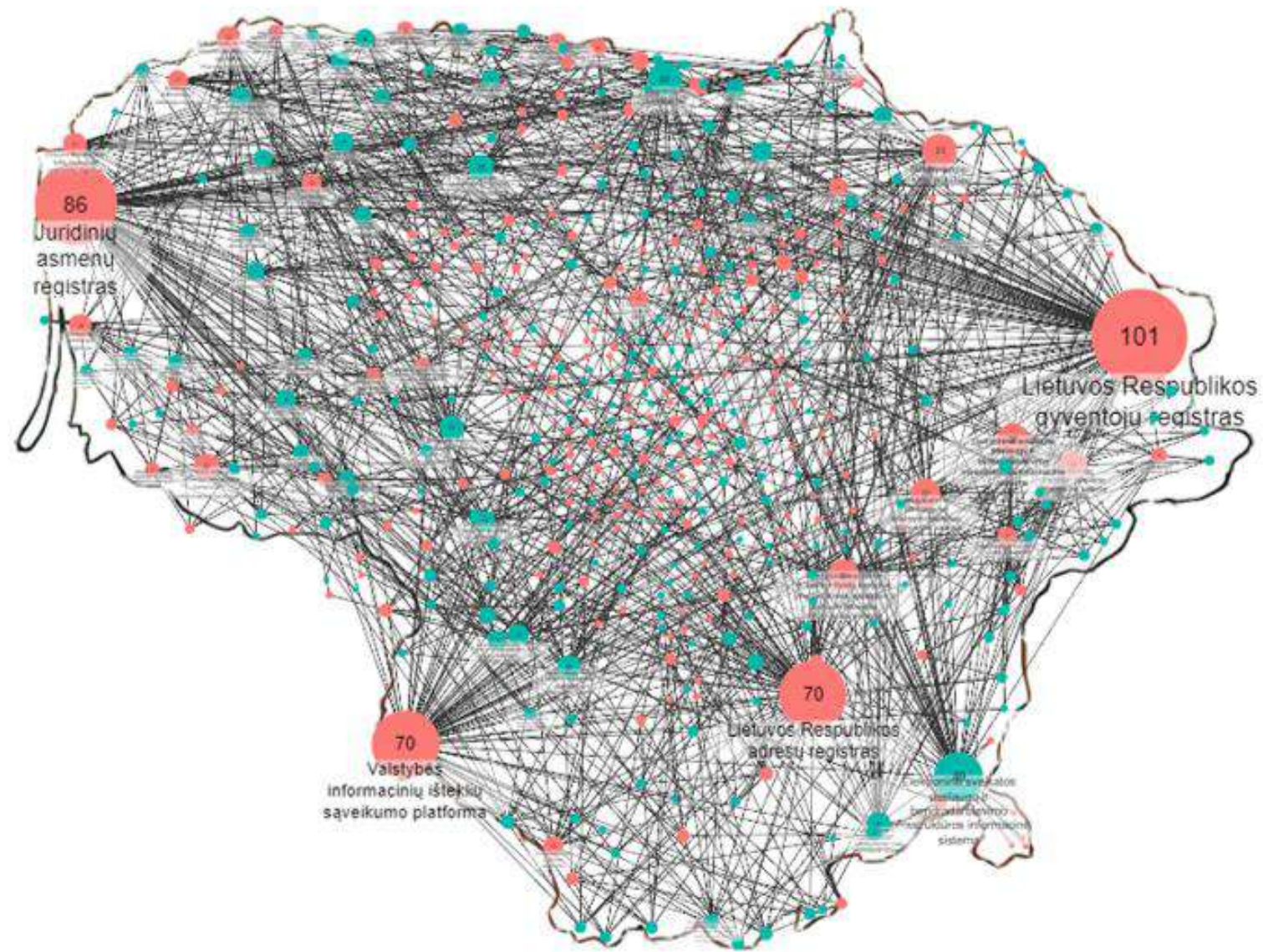
Comprehensible to computers  
**Can be processed by computer**





# INVENTORY

# Digital map of Information Systems and Registers



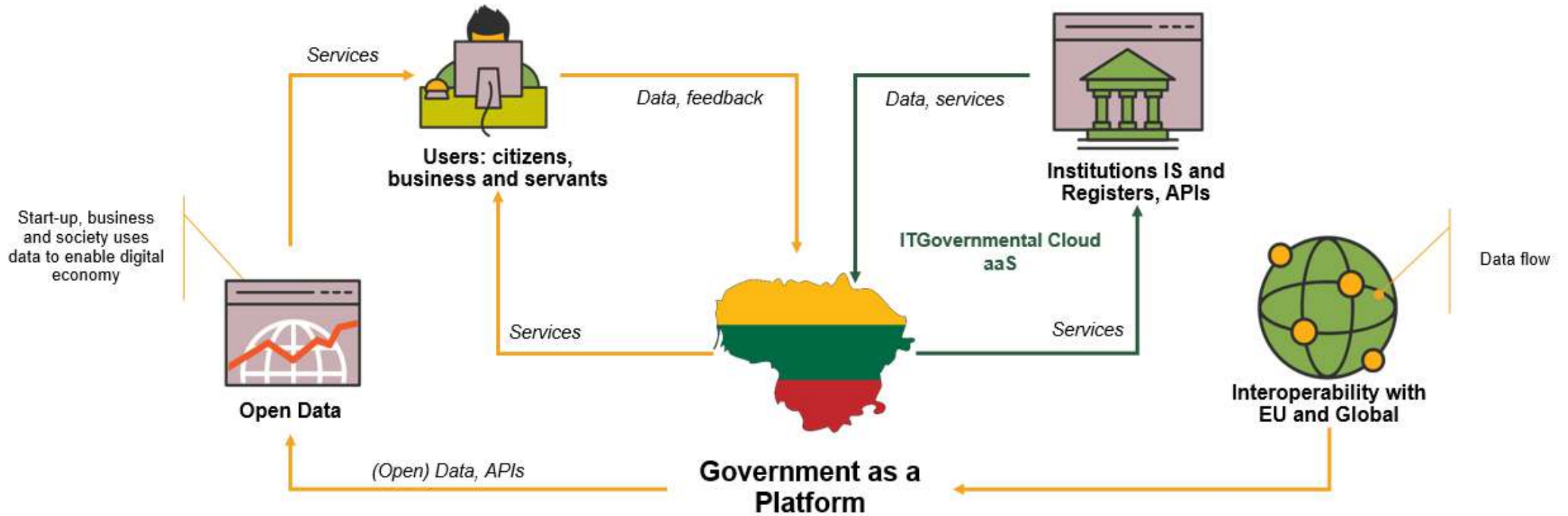
# DIGITAL GOVERNMENT

**WHAT FOR:** TO CREATE PUBLIC VALUE

**CLIENT:** DIGITAL ECOSYSTEM

**HOW:** ENSURING DATA GOVERNANCE

# DIGITAL GOVERNMENT





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