



GOVERNANCE AND BUSINESS MODELS

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What is a Data Space?

A useful definition from Data Spaces Support Centre (DSSC):

“A distributed system defined by a **governance framework** that enables secure and trustworthy **data transactions** between **participants** while supporting trust and **data sovereignty**. A data space is implemented by one or more **infrastructures** and enables one or more **use cases**.”

Infrastructure:

Digital infrastructures , more than one !

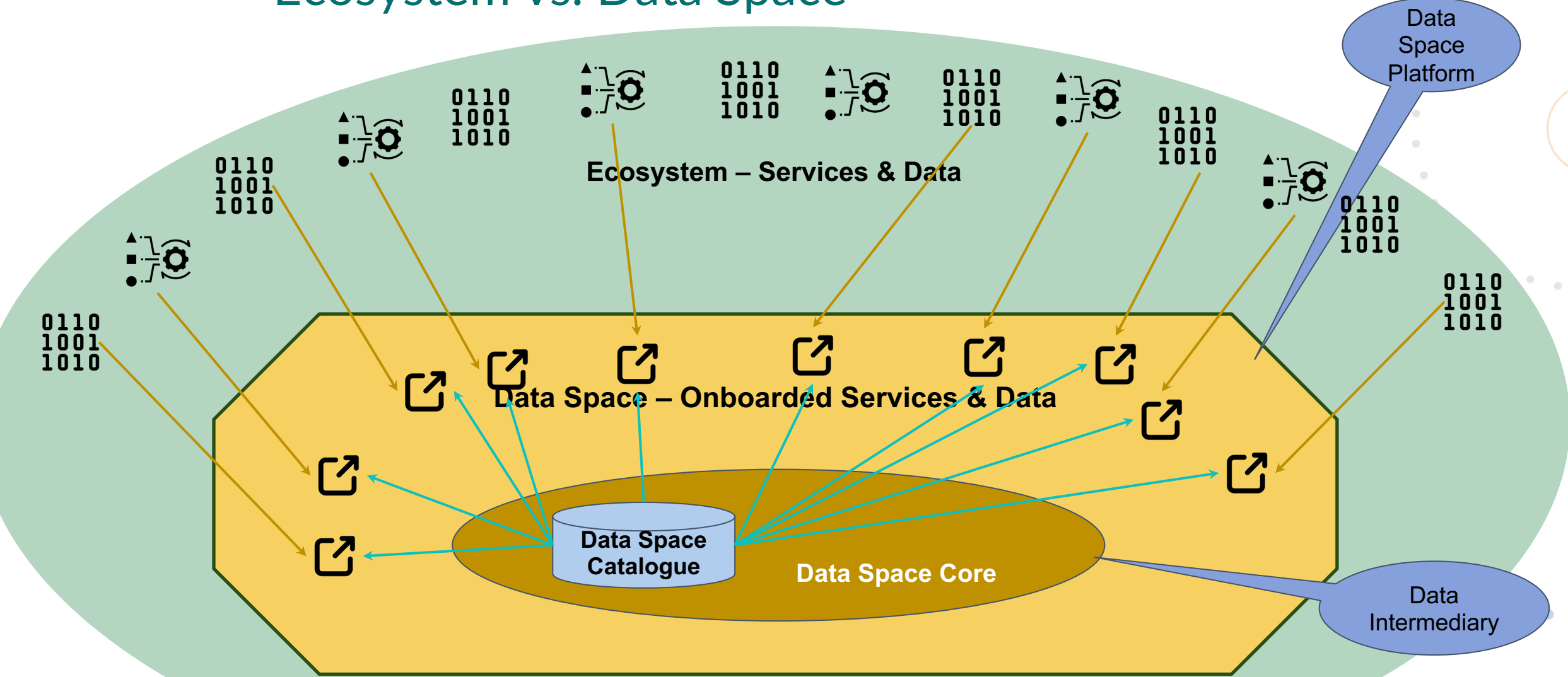
Data transactions:

More than just data transfer, terms and conditions, etc.

Governance framework:

Key characteristics of the DS, purpose, objectives, rules (e.g. membership), standard Ts & Cs for data transactions

Ecosystem vs. Data Space



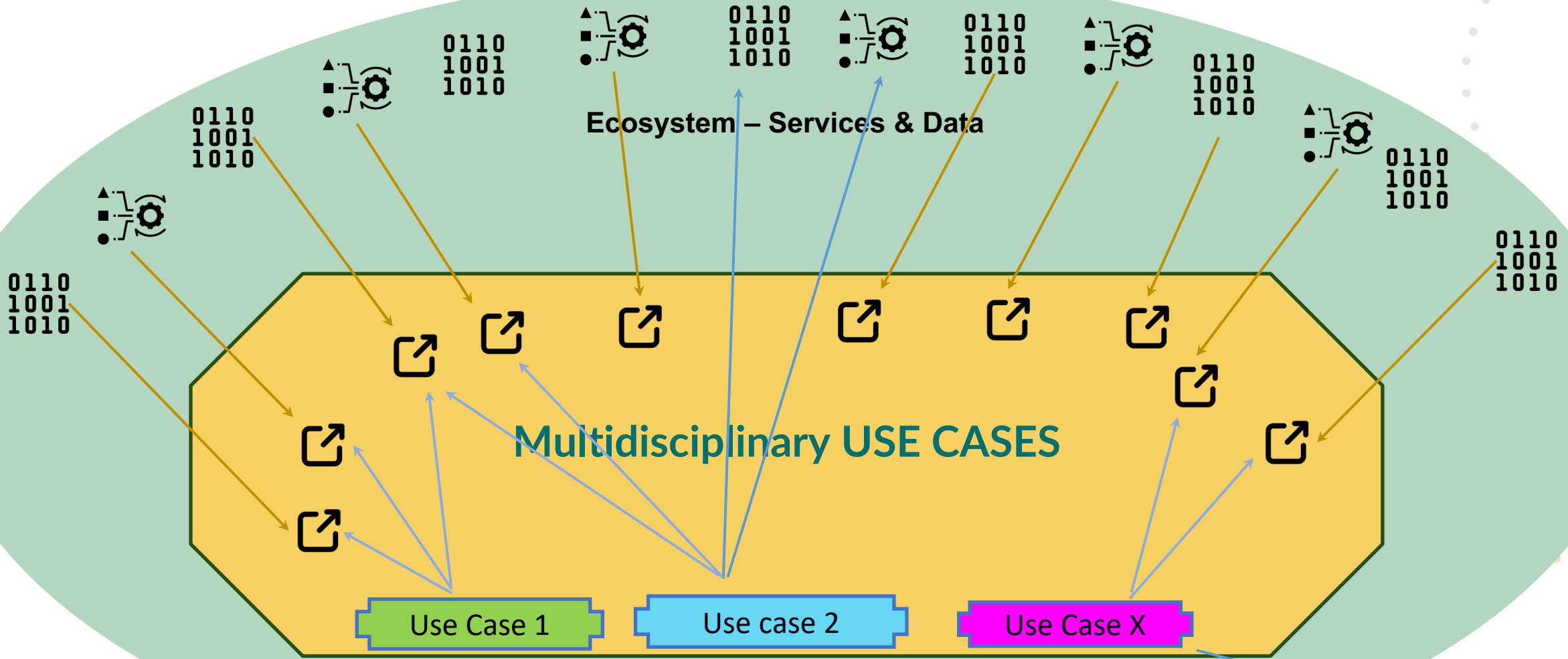
Onboarding Process



Metadata added to Catalogue



Use cases

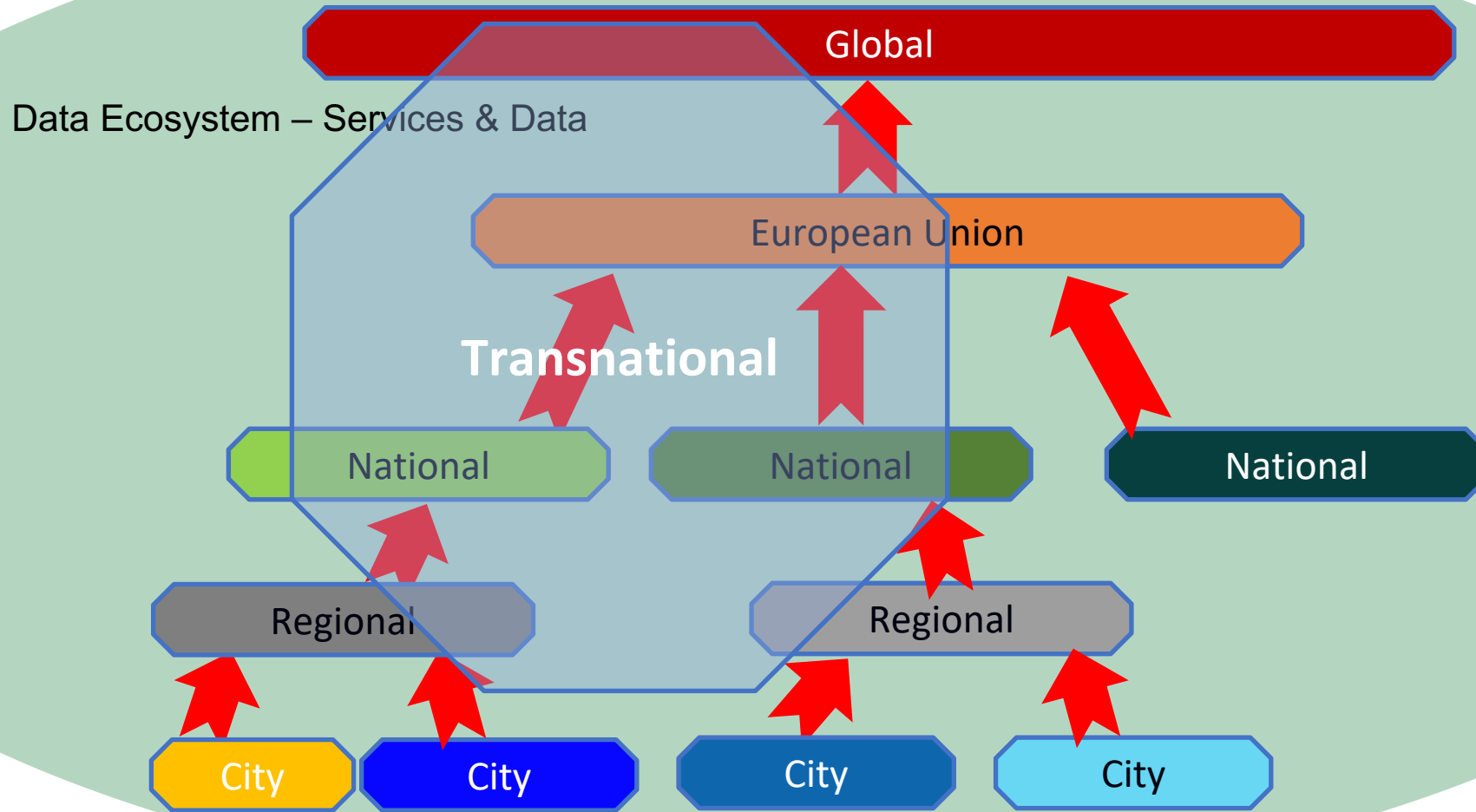


Intra DS Interoperability →
Inter DS Interoperability →

Other Data Space



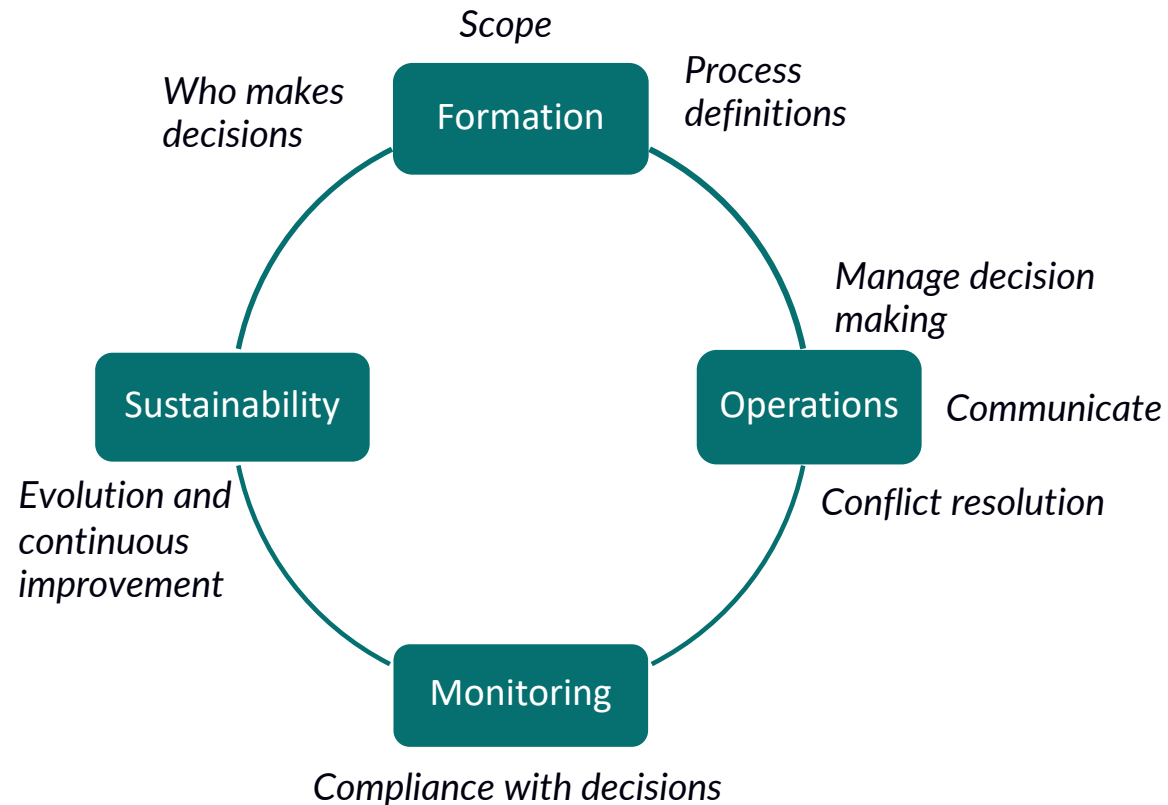
What might it look like?





What is governance ?

GOVERNANCE is the process for making decisions about an **entity**
Choosing the questions that must be decided – “Requirements”



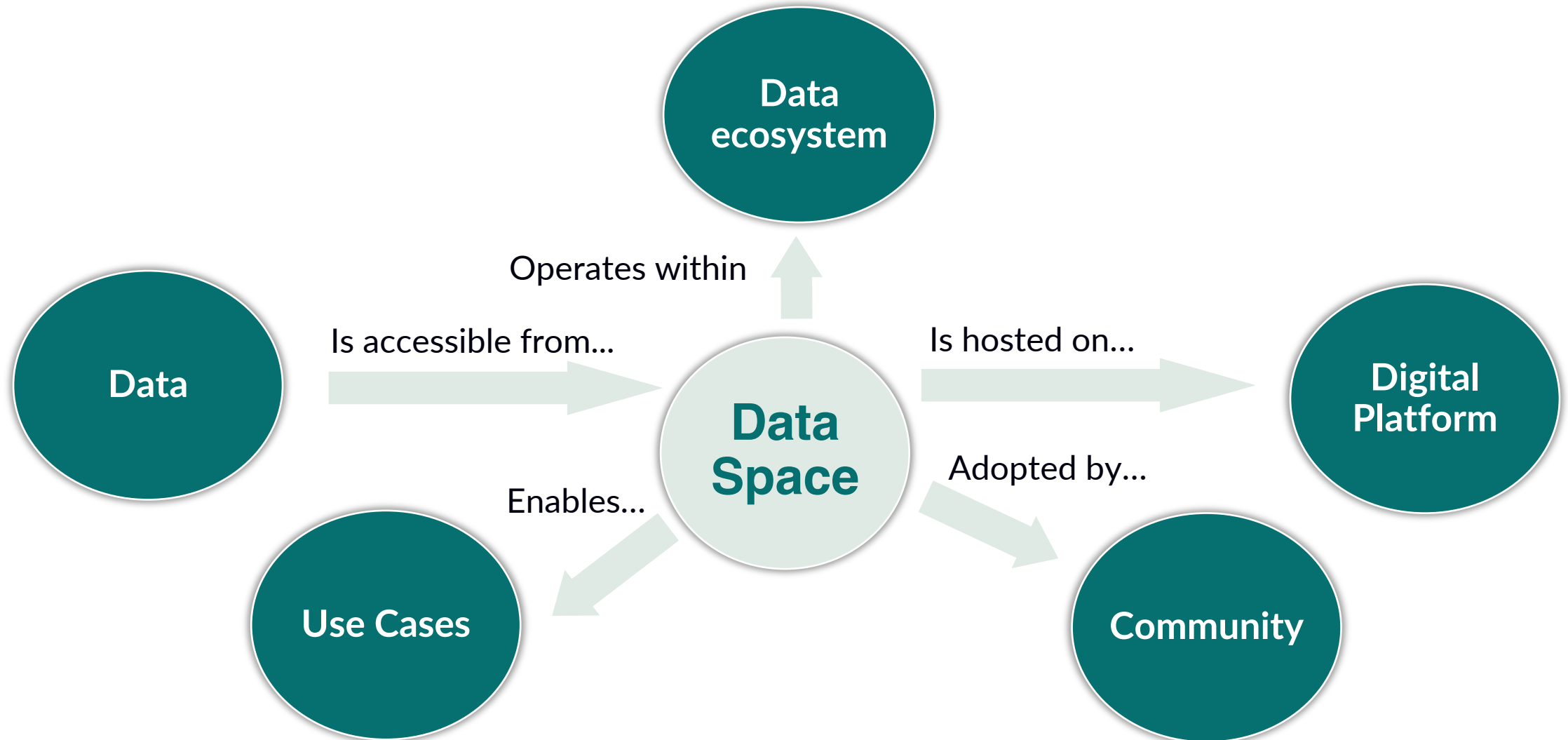


Requirements differ depending on type of data

	Research, Public Data	Sensitive Data	Industry Confidential
Security	?	✓	✓
Known Parties	Anonymous OK	Strong assurance	Strong assurance
Visibility	Open; 1:Many or 1:Any	Sovereignty, GDPR; 1:1 or 1:Few	Sovereignty; 1:1 or 1:Few Data Act → 1:Few or 1:Many
Findability	✓	Five Safes	Sovereignty, tempered by Data Act
Accessibility	✓		
Interoperability	increasing		
(Re)usability	✓		
Quality Fit for Purpose	Peer Review	Ethics Review, GDPR	Opportunistic, tempered by AI Act?
Purpose Objectives	Advancement of Knowledge	MUST be defined up front	Solve my problem, Competitive advantage



Entities that require governance





Business models - value proposition

Value capture for different parties in their different roles:
Data providers, Data Consumers, Data Intermediaries

What is the value of a data space for ?

- **A lawyer:** regulatory enforcement, case laws
- **A policy maker:** Do I have enough indicators for targets?
- **A scientist:** data for research, publications
- **SME/Public administrations:** easy data access for value added services, public services. An opportunity to share data in a cost effective way
- **DS Community:** Consensus that value is good use cases
- **Industry:** increase competitiveness in data economy. I want my data everywhere !
Standardised data license agreements
- **Existing well established data initiatives** (e.g. EMODNet, GEO): Access to cross-domain data. Promotion of their solutions in the wider community. Tech support
- **Big techs:** Access to open data (freemium models)
- **Citizens:** where shall I put my data?