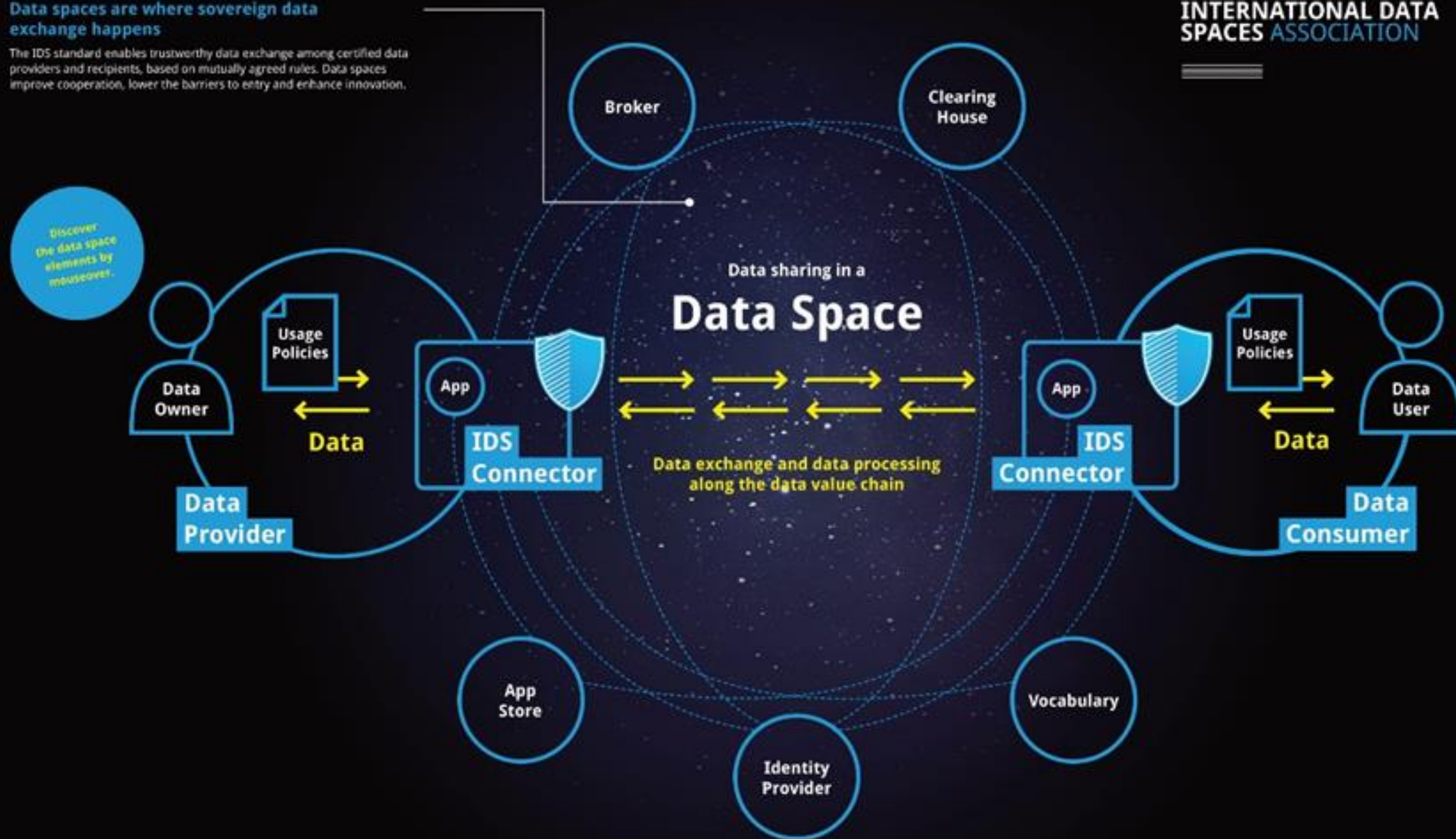


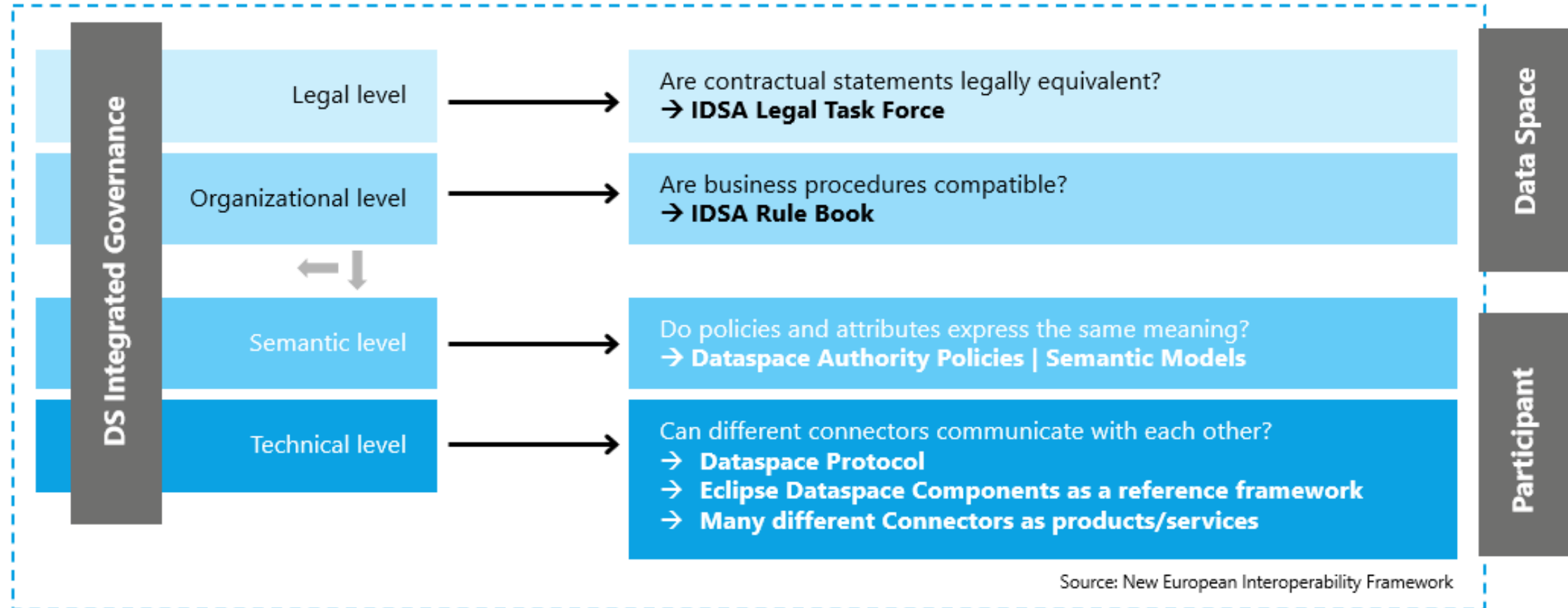
## Data spaces are where sovereign data exchange happens

The IDS standard enables trustworthy data exchange among certified data providers and recipients, based on mutually agreed rules. Data spaces improve cooperation, lower the barriers to entry and enhance innovation.

INTERNATIONAL DATA  
SPACES ASSOCIATION



# Layered model for interoperability



# Interoperability on International Scale

Aligning different perspectives

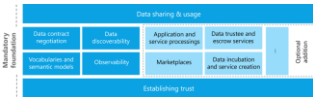


Legal  
Perspective

Data Free Flow  
with Trust

Data Spaces view,  
IDSA Rulebook

Concrete  
Implementations  
(examples, non-exhaustive)



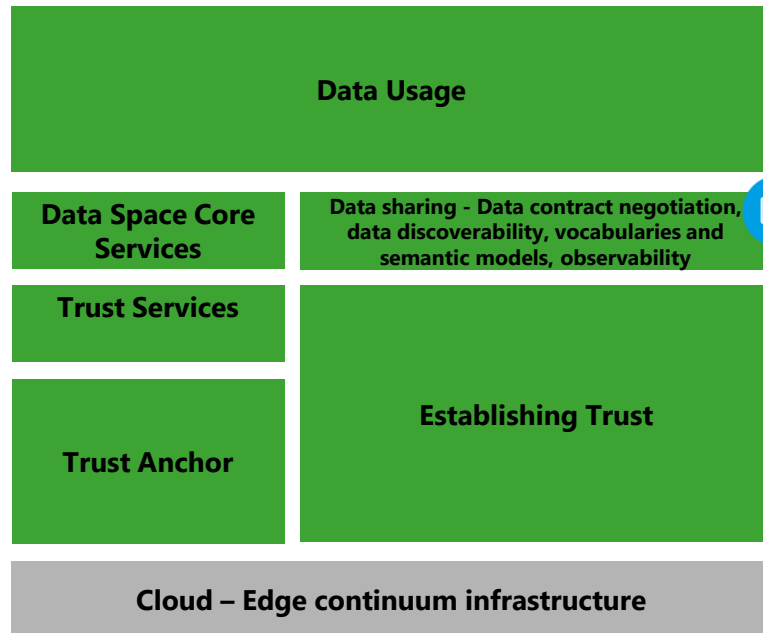
Private Trust Private Rules	Trust Application Service	Data Usage		Offerings from data space participants creating value, applications	
	Trust Data Distribution	Data Space Core Services	Data sharing - Data contract negotiation, data discoverability, vocabularies and semantic models, observability	CADDE, EDC, etc.	Catena-X, MDS, DATA-EX, Base Camp, etc.
Trust Services		Establishing Trust	SIMPL, GXDCH, iSHARE Framework, etc.		
Public Trust Law	Trust Service Infrastructure		Trust Anchor	CA for eSeals, eIDAS, X.509, DID, etc.	
	Cloud – Edge continuum infrastructure				

# Interoperability on International Scale

*Data sharing between different data spaces (x-domains, x-countries)*



## Data Space 1



According the usage policies and checking the trust framework, the data space connector decides: **data exchange yes or no**

### Dataspace Protocol

Decentralized Claims Protocol

International Mutual Recognition of trust anchors

## Data Space 2

