

EBU

OPERATING EUROVISION AND EURORADIO

DEVELOPING EUROPEAN MEDIA DATASPACE

08.04.2022



AGENDA

- › Context in Europe
- › Regulatory background
- › What is a Dataspace?
- › Building blocks for Dataspace
- › A technical implementation of Data Space today (Data Village)
- › Use cases for Media Dataspace (Intellera Consulting, mandated by EC)

EUROPEAN CONTEXT

- › Communication “Towards a common European Data space” (25.04.2018)
- › European Strategy for Data (19.02.2020)
 - › Recognized the need to accelerate the creation of common dataspace (25.03.2021)
 - › Commission Staff working document on Common European Data Space (02.03.2022)
- › Package of legislative initiatives (Data Governance Act, Data Act, Data Market Act etc)
- › EU fundings programmes (Digital Europe, Horizon Europe)
- › Data infrastructure initiatives (Gaia-X, DSBA, IDSA, OPEN DEI)

AI, DATA AND CLOUD (EU SLIDE)



Data Spaces

- Green Deal
- Smart communities
- Mobility
- Manufacturing
- Agriculture
- Cultural Content
- Health
- Media**
- Finance
- Skills
- Languages
- Public Administrations

Support to Data Spaces

Support Centre

Open Data Portal

High Value Data Sets

Cloud to Edge

Smart Middleware

Large-scale pilots for cloud-to-edge based service solutions

Marketplace for services

AI-on-demand Platform

Central access point to AI resources

Testing and Experimentation Facilities

Manufacturing

Health

Agri-Food

Smart cities and communities

Edge AI HW



EU REGULATORY WORK ON DATA

- › **Data Governance Act:** re-use of data from public sector bodies by businesses and other actors (Government-to-Business)
 - › Concluded
- › **Digital Markets Act:** obligations imposed on a few major digital services (gatekeepers – e.g. Facebook, YouTube) including to share data with business users (B2B)
 - › Concluded – Implementation end 2023-early 2024
- › **Data Act:** improve B2C, B2B and B2G data sharing – product-related approach + interoperability
 - › Just started



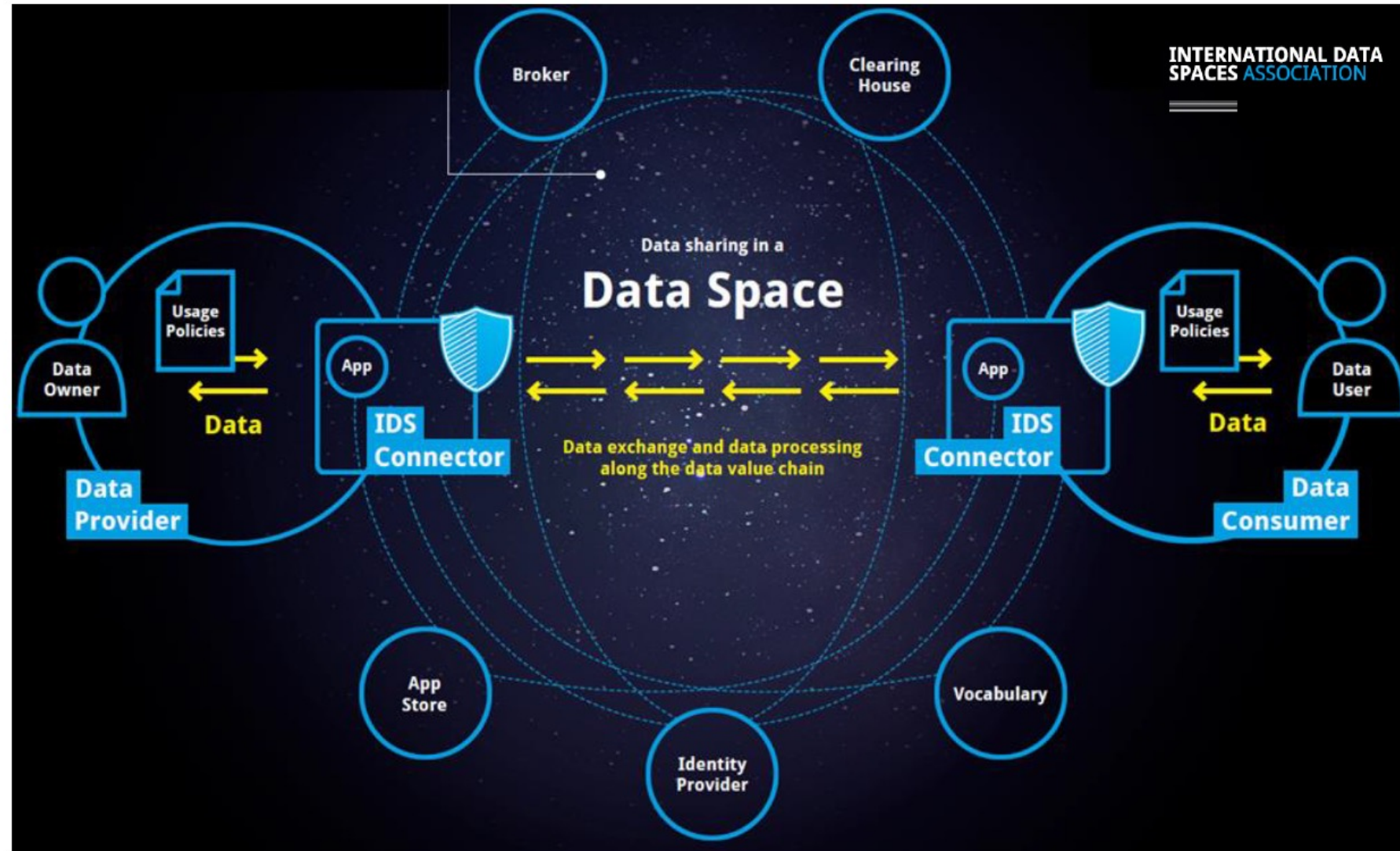
A DATASPACE IS A **DECENTRALIZED** INFRASTRUCTURE FOR
TRUSTWORTHY DATA SHARING AND EXCHANGE IN DATA
ECOSYSTEMS, BASED ON **COMMONLY AGREED PRINCIPLES**

THE CONCEPT OF A DATASPACE



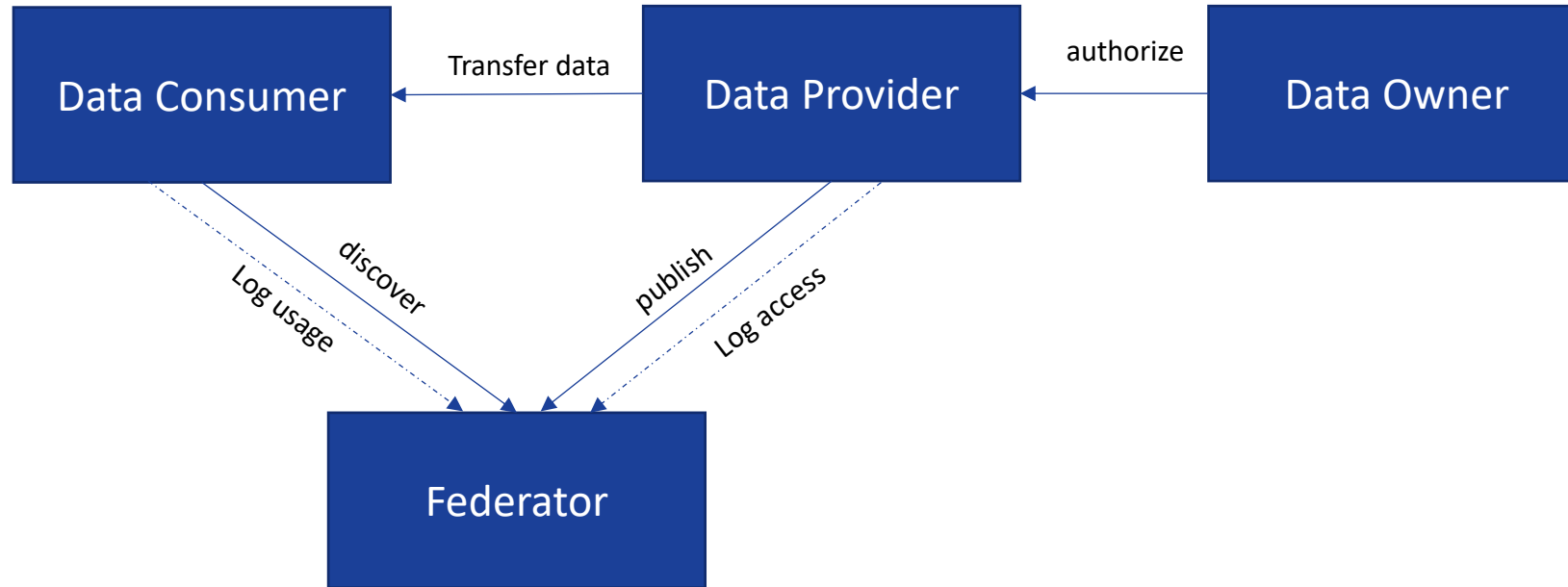
The concept of a data space focuses on 3 main elements:

- ❑ Protected environment in which participants can freely share data
- ❑ Participants agree on clear rules that protect data sovereignty
- ❑ Ensure transparency and fairness and thus generate economic value



Source: IDSA (International data Spaces Association)

BUSINESS ROLES AND INTERACTIONS



BUILDING BLOCKS FOR ADMIN / ORGANISATION AND GUIDANCE

- › Governing bodies, sector specific bodies provide commonly accepted rules
- › Rules are monitored by neutral and independent entities

 **TRUST**

Data Space Boards

Cooperation
Agreement

Continuity model

Regulations

BUSINESS MODEL

- › **Level 1:** for the creation and maintenance of Dataspace
 - › Requires initial funding from EU / governments during several years before reaching break-even point with DS participants funding → **Digital Europe**
- › **Level 2:** for participants
 - › Monetary nature or to get better quality of Products or Services
 - › Direct monetization (selling data or Services) or Indirect monetization (increase customer loyalty.)

Service Levels
Agreements

Accounting scheme

Data Evaluation
method

Billing/charging
scheme

Smart contracts



TECHNICAL BUILDING BLOCKS

DATA SERVICES	Data Analytics Engine	Data Visualisation	Workflow mgt Engine
DATA VALUE	Metadata & Discovery protocols	Publication & marketplace services	Data Usage Accounting
INTEROPERABILITY	Data models & formats	Data exchanges APIs	Provenance and traceability
TRUST	Identity management	Trusted exchanges	Access & Usage control /policies
SW INFRA	System Adaptation	Data routing & preprocessing	Data Processing