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CONTEXT



Data Economy is promising

But SMEs are **not ready** to be operative (monetize) in the data economy

Lack of computing power

Poor Quality of Data

Diversity of platforms and tools

Lack of Skills

Lack of consolidated business models

Data owners (really big data holders) need **incentives to share**

Lack of knowledge in data ethics

New Al and Data **regulations** bring challenges for innovators

Fair data value chains still need to be invented





Data Driven economy needs



Tech. Convergence



Regulations & Standards



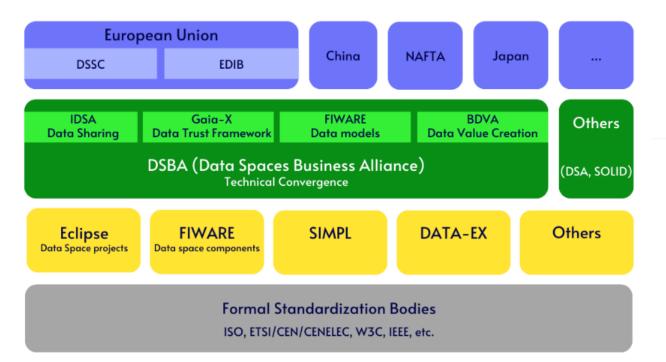
Awareness



Experimentation



Complex environment of actors working together to solve the needs







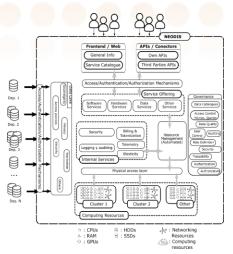


DATA SPACE INTERMEDIARY





A data space intermediary performs the role of a business entity that provides **enabling services**. One of the types of intermediary are the Connection-providing intermediaries, that support data exchange **to lower the entry barriers for a data space** through **technical** means, **business-related** aspects or **legal** aspects



DGA!



Experimentation Space

- Access to datasets
- Access to infrastructures and tools
- Support to experiments
- Feasibility analysis
- Proof of concept
- Prototyping
- Data and Services Marketplace
- Selection and testing of technologies

Data management & consultancy

- Advice on data sharing, governance, sovereignty, ...
- Advice on legal and ethical aspects
- Advice on data transformation processes (curation, anonymization, ...)
- Enablement in Big Data Analytics

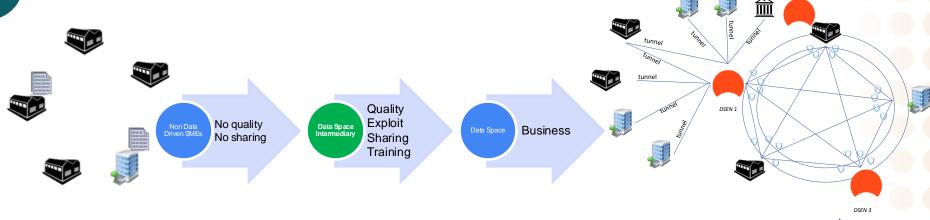
raining

- Technique
- Infrastructure deployment
- Data governance
- Business





DATA SPACE INTERMEDIARY



FEED DATA SPACES WITH SMES READY TO MONETIZE

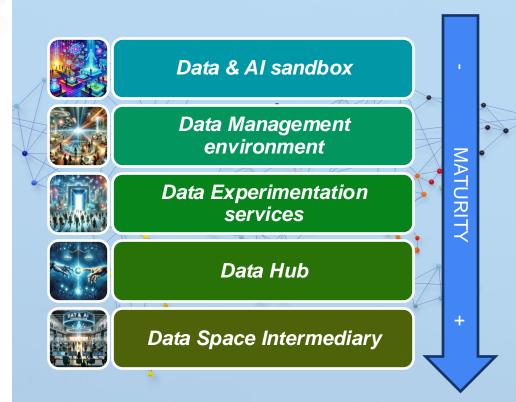




EDIHS/HUBS as DATA SPACE INTERMEDIARIES



Hubs (i-Spaces, DIHs, ...) are TRUSTED environments providing infrastructures, knowledge, tools, data, ... ready to experiment, raise awareness, foster adoption and ease the access to data spaces







They have a close contact and are well known and recognized in their local ecosystems and are also very well connected globally, as stars of an impressive constellation around Data and Al.

TECHNOLOGICAL IMPLEMENTATION



DATAMITE helps EU companies to better govern and monetize data by delivering a modular open-source framework in the form of software modules, training and business materials for European companies.

Internal level: quality management, FAIR principles, and technical and business aspects



A collection of **open-source modules** easily integrated and customized to improve their **data quality**, enhance the **trustworthiness**.



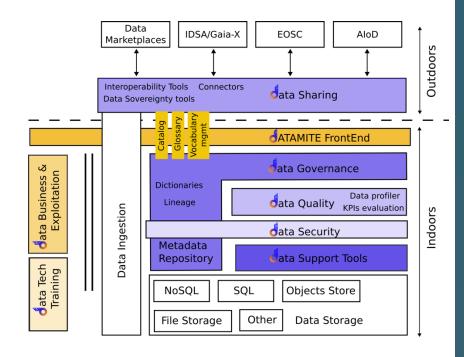
Providing business model strategies for Data Monetisation in EU Companies (Strategy Profiles and KPIs) and taining materials to upskill personnel

External level: control of their data, new sources of revenue and interaction with other stakeholders.



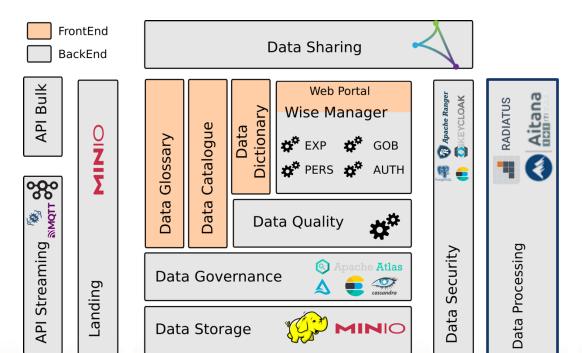
A Data Sharing module including a collection of tools to share and trade data, focused on data interoperability and sovereignty.

What are we doing



DATAMITE enables **DIHs sandboxing**, becoming a potential instructor on their onboarding of SMEs and low-tech SMEs into the data economy.

WISEPHERE



Enriched node providing:

Data Quality

Data Governance

Data Ingestión

Data Storage

Data Sharing

Data Processing

Access control and security

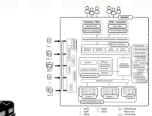
A Data Space in itself

Able to connect to other nodes
and enlarge the Data Space
opening the door to the Universe of
Data and AI





WISEPHERE AS A SANDBOX



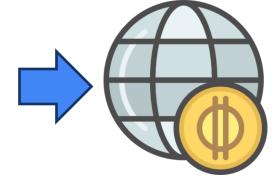


- Infra
- Data
- Services
- Business





- Infra
- Data
- Services
- Business





Datasets

Tools

- Infrastructures Data

Business

Ethics

Legal

Processing Management

JISEPHERE

- Technical Infrastructur • Data
- deployment governance Business



- Infra
- Data
- Services
- Business

AGILE AND PERSONALIZED SCENARIO CONFIGURATION ON DEMAND

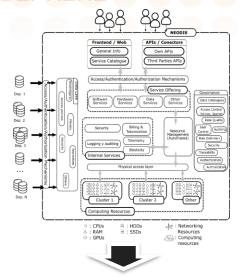




WISEPHERE FOR EXPERIMENTATION & DATA MANAGEMENT



Wisephere deployment in ITI for experimentation and business model definition before going to a Data Space



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Training

- Technique
- Infrastructure deployment
- Data governance
- Business

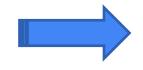


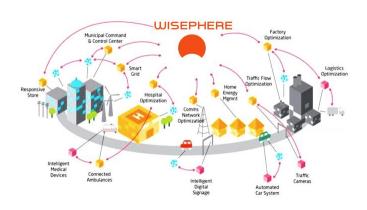




WISEPHERE AS DATA HUB







Single Organization

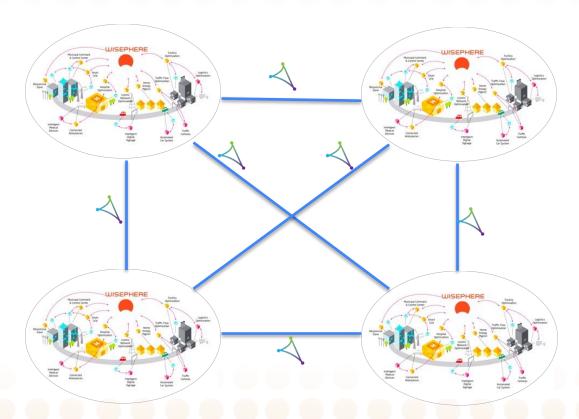
Multiple Organizations







WISEPHERE AS A DATA SPACE BUILDER



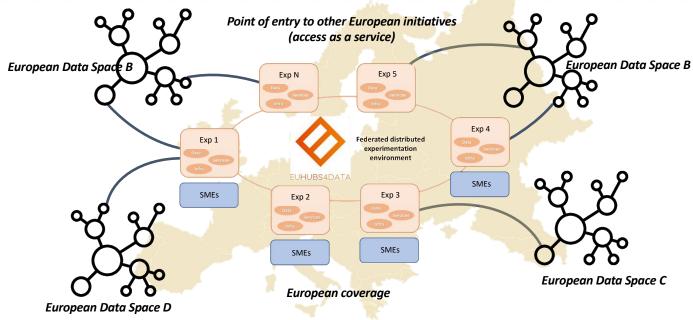




CONCLUSION



HUBS AS A DATA SPACE INTERMEDIARY



- Market not mature enough. Technologies under development
- Connectors and Data Space Protocol in an incipient status.
- Difficulties with complex datasets that combine different data assets or streaming connections.



Data Intermediaries **p** Data Space Intermediaries







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