



EBDVF session

**Successfully building
common European data
spaces**

**A matter of compliance
with the Data Governance Act
and the principles of Gaia-X**

November 22, 2022

Dawex is the leading technology company for Data Exchange, Data Marketplace and Data Hub

**Data ecosystems have become
a fundamental component
of business competitiveness
and economic sovereignty.**




Dawex at a glance: a European scale-up recognized worldwide for its expertise and achievements in data exchange

Company profile

Founded in 2015

Offices: Paris, Lyon,
Montreal, Tokyo (2023)

Global reach

-  France & Europe 
-  Japan
(2nd largest market)
-  North America 
-  Middle East 

Recognized as a pioneer and innovator



9 awards
US, EU, ME



Tech Pioneer at the
World Economic Forum

Speaker in Davos



Speaker at G7 Summit
and other global events



Leads Gaia-X Data
Exchange Working
Group

Customer references

in more than
15 strategic sectors



Retail



Airports



Infrastructure



Geospatial



Automotive



Mobility



Real Estate



Trading



Culture



Energy



Agriculture



Food



Tourism



Manufacturing



Smart cities



Banking

Data Exchange Platform

A SaaS platform customized to your needs and strategy to distribute, source, commercialize data and orchestrate data ecosystems



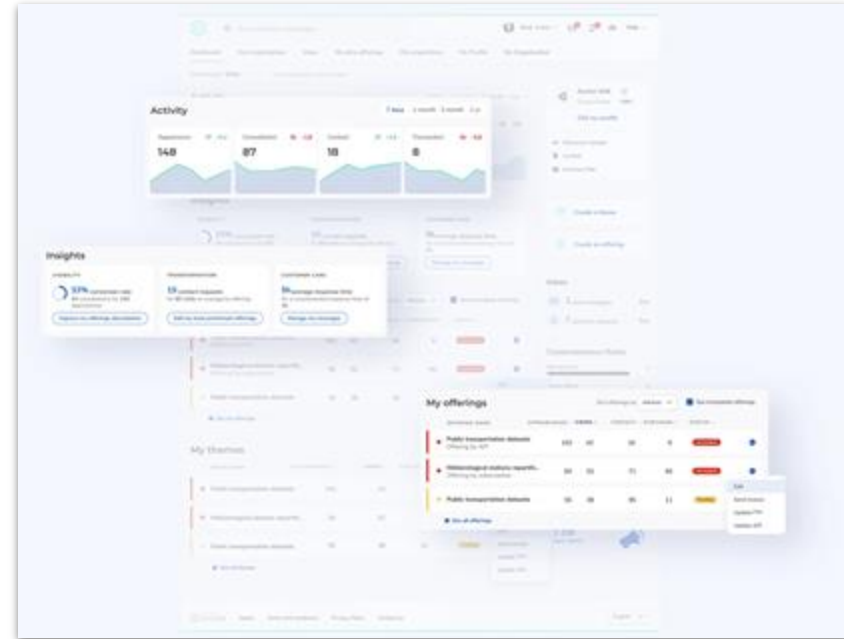
Incorporating a **Data Exchange Governance model**: Control & Security, Traceability, Licensing and Regulatory Compliance



Configurable. Data exchanges on managed or distributed mode.



Supporting **various data exchange business models** (subscription, transactional, free)



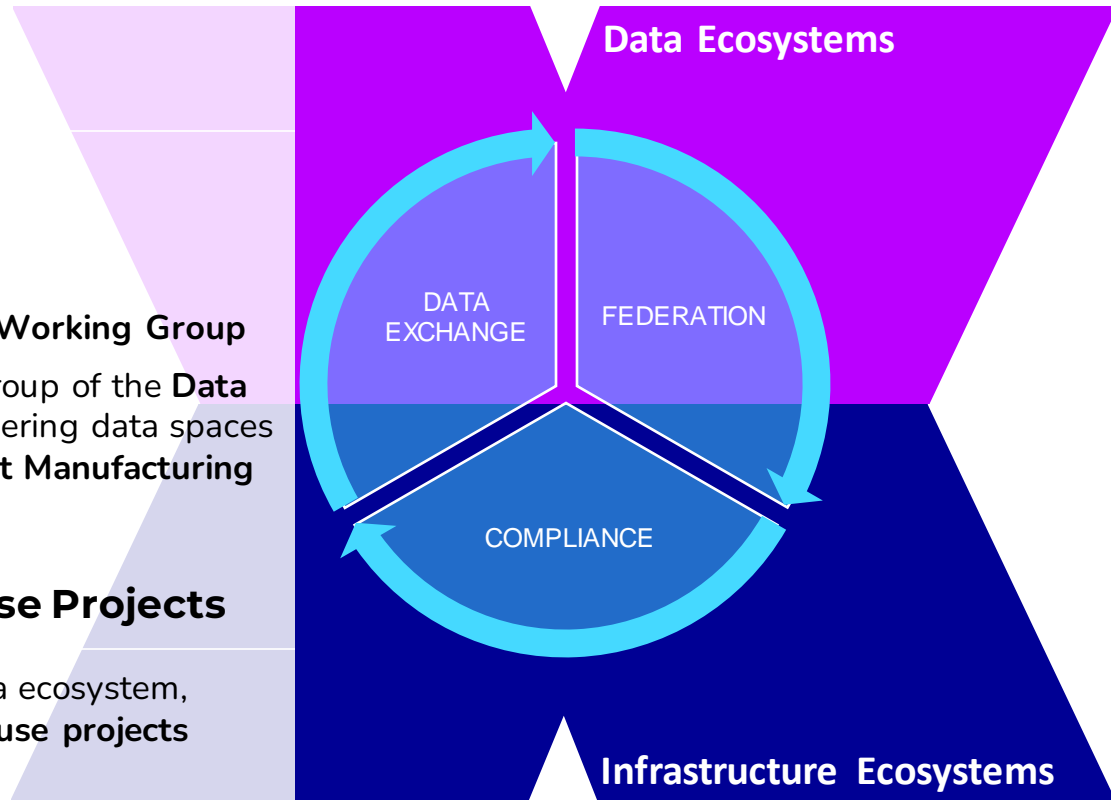
Data Exchange, a key pillar in Gaia-X initiative

Dawex involvement in Gaia-X

- Gaia-X Day-1 member
- Member of European project **GXFS** (Gaia-X Federated Services)
- **Leads Gaia-X Data Exchange Services Working Group**
- Contributes to the Technical Working Group of the **Data Space Business Committee (DSBC)** covering data spaces such as **Energy, Aeronautical and Smart Manufacturing**

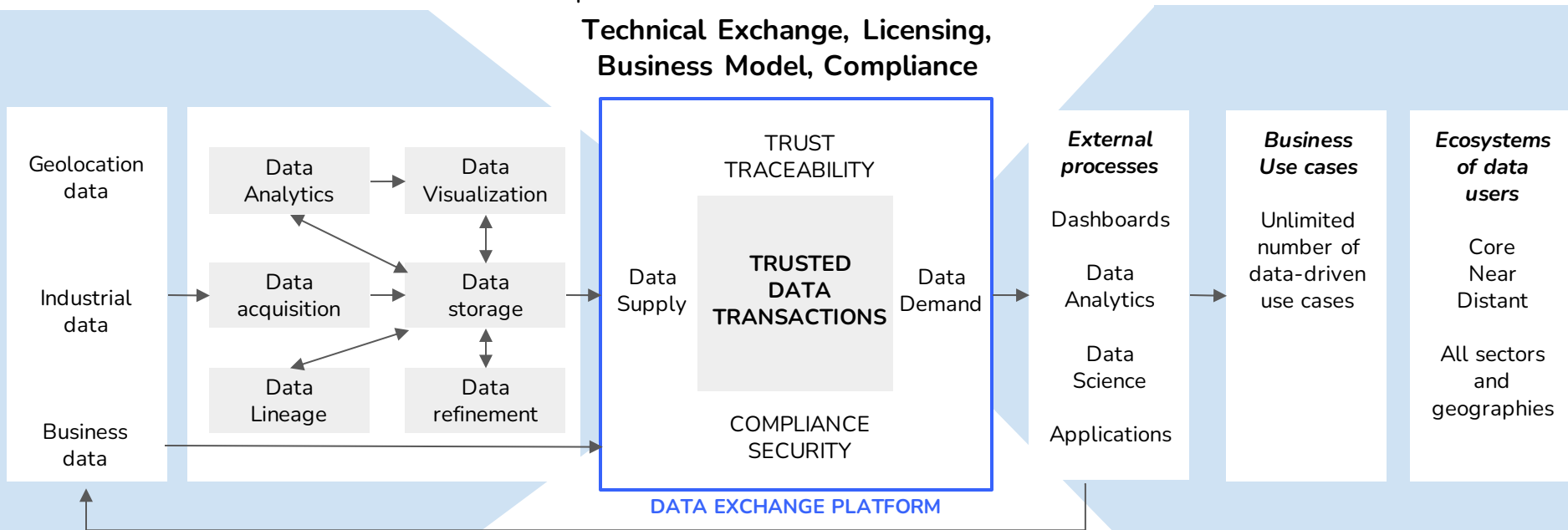
Dawex powered Gaia-X Lighthouse Projects

- **Agdatahub**, the leading agricultural data ecosystem, selected by Gaia-X is **one of the lighthouse projects**



Trusted data transaction is a key component of the data value chain

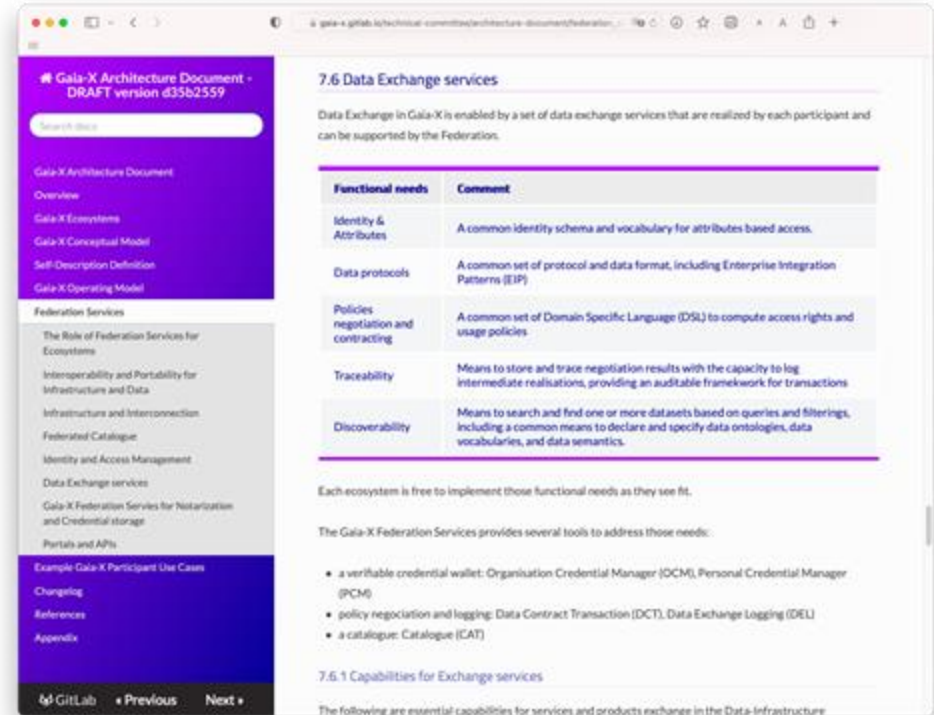
4 pillars of trusted data transactions:
**Technical Exchange, Licensing,
 Business Model, Compliance**



An **interoperable** platform through its **interfaces** with federated services for a **sovereign data value chain**

Gaia-X Publications

- **Gaia-X Reference Architecture**
 - Main technical document of the Gaia-X ecosystem
- **Gaia-X Trust Framework**
 - The Trust Framework is of utmost importance for Gaia-X as it sets the rules that define the minimum baseline to be part of the Gaia-X Ecosystem
- **Gaia-X Data Exchange Services Specification**
 - Specifies Data Exchange Services within Gaia-X principles



Gaia-X Data Exchange Services

Lead: Dawex - CoLead: IDSA

Input	Key activities	Deliverables
<p>Gaia-X architecture document</p> <p>Gaia-X technical specifications</p>	<ul style="list-style-type: none"> ● Data Exchange vocabulary ● Data Exchange requirements for data value, trust and compliance ● Data Exchange Interoperability ● Licencing and Policies negotiation for personal and non-personal data transaction ● Data Transactions Traceability ● Discoverability as the means to search and find one or more datasets based on queries and filterings, including a common means to declare and specify data ontologies, data vocabularies, and data semantics. 	<p>Data Exchange specifications document, including high level architecture and key requirements for data value, trust and compliance</p>

European regulations create trust in data exchanges



Data exchange orchestrators' compliance has become a major imperative

1	Data Governance Act	ADOPTED & PUBLISHED	Focuses on data intermediation
		In application Sept 2023	services providers
			Extends the scope to non-personal data

European regulations create trust in data exchanges



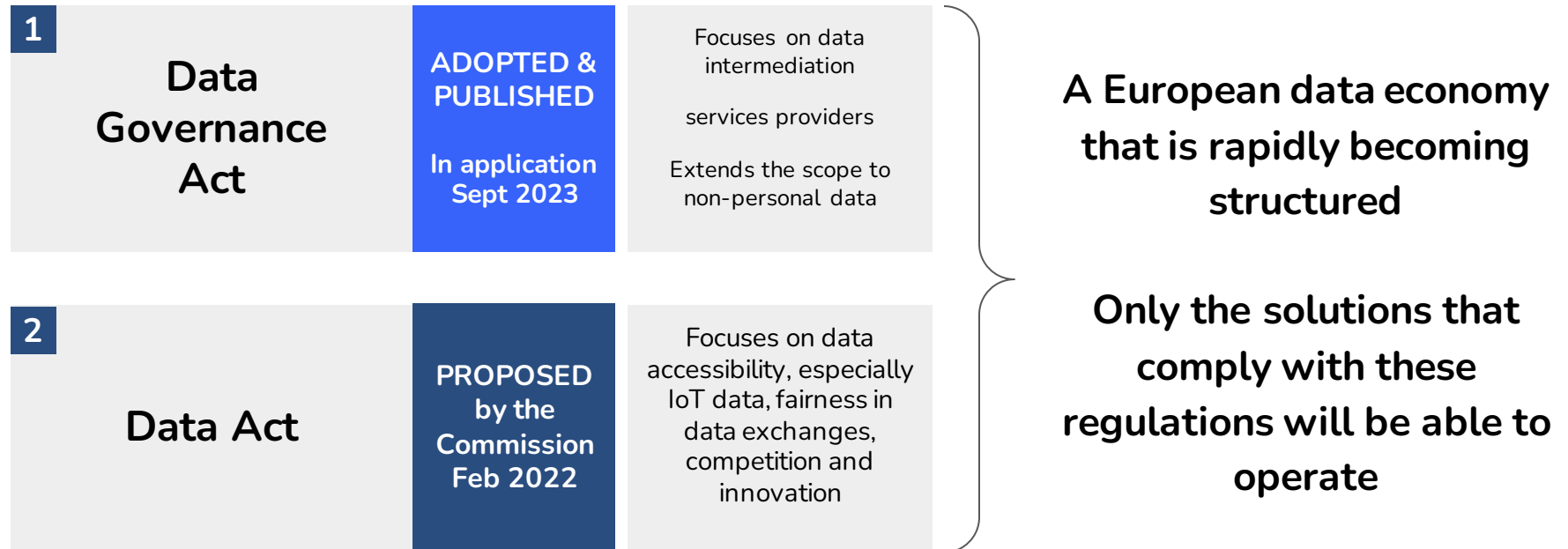
Data exchange orchestrators' compliance has become a major imperative

1	Data Governance Act	ADOPTED & PUBLISHED In application Sept 2023	Focuses on data intermediation services providers Extends the scope to non-personal data
2	Data Act	PROPOSED by the Commission Feb 2022	Focuses on data accessibility, especially IoT data, fairness in data exchanges, competition and innovation

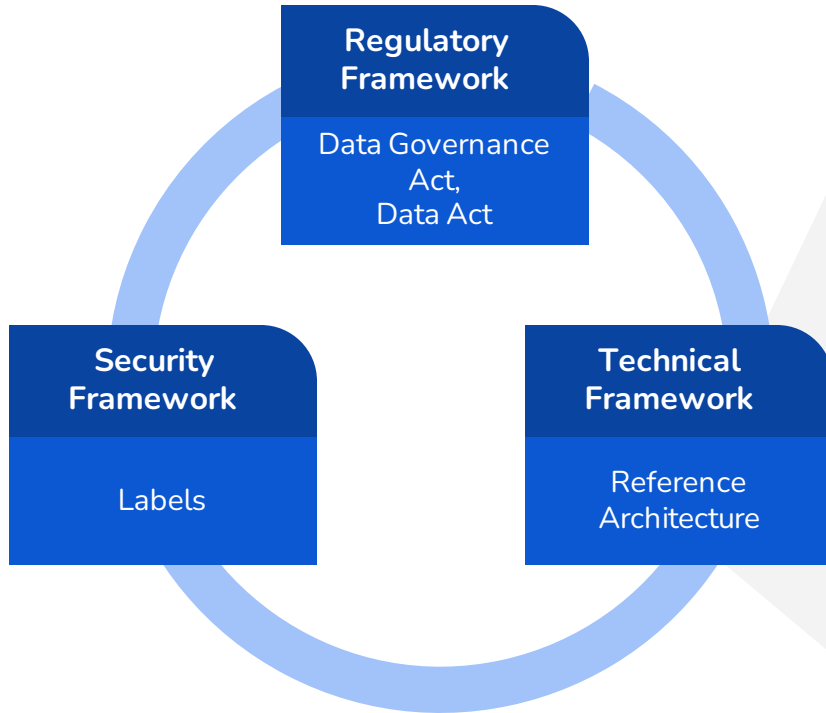


European regulations create trust in data exchanges

Data exchange orchestrators' compliance has become a major imperative



A reference architecture for Data Exchange



- A reference technical architecture is an **essential** and **mandatory component** to structure, extend and secure the **data economy**
- **Aligned with the objectives of the new European regulations (DGA, DA)** which aim to improve data accessibility, strengthen trust in data intermediaries, guarantee fairness and promote the interoperability of data exchange
- **Will allow the definition of labels** for actors involved in data exchange between organizations, sectors and multiple geographies

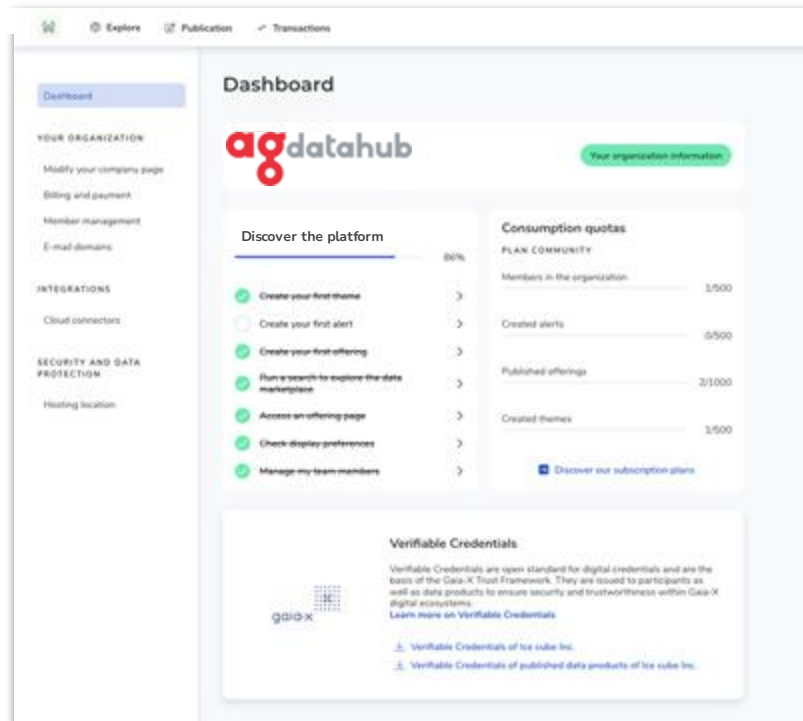
Gaia-X Trust Framework integrated into Dawex Data Exchange Platform solution

The **Trust Framework** is Gaia-X cornerstone.

Verifiable Credentials (VC) are a standard for digital credentials, and form the **basis of the GAIA-X Trust Framework**.

VCS ensure **transparency, security** and **reliability** within the GAIA-X digital ecosystem.

Dawex Data Exchange Platform technology **implements VCs** (for participants and data products) **following the specifications of GAIA-X (22.10)**



Gaia-X Documents

- **Architecture Document:**
<https://gaia-x.gitlab.io/technical-committee/architecture-document/>
- **Trust Framework :**
<https://gaia-x.gitlab.io/policy-rules-committee/trust-framework/>
- **Data Exchange Services:** <https://gaia-x.gitlab.io/technical-committee/federation-services/data-exchange/dewg/>



DAWEX

data exchange technology

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#DataExchange #DataMarketplace #DataHub