

AI-Powered Semantic Hub for Data Spaces

Dawex

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

Company profile

Founded in 2015

Offices: Paris, Lyon, Montreal, Tokyo

Global reach

 France & Europe 

 Japan
(2nd largest market)

 North America 

 Middle East 

Recognized as a pioneer and innovator



11 awards & recognitions
US, EU, ME



Tech Pioneer at the World Economic Forum
Speaker in Davos



Speaker at G7 Summit and other global events



Data Expert Group member at the UN



Leads Gaia-X Data Exchange Working Group

Customer references

AIRBUS

Schneider Electric

Valeo

BOUYGUES

TF1
LE GROUPE

Mobivia



LA POSTE



COLAS

WE OPEN THE WAY



GROUPE ADP

AFP

cnes

Auchan

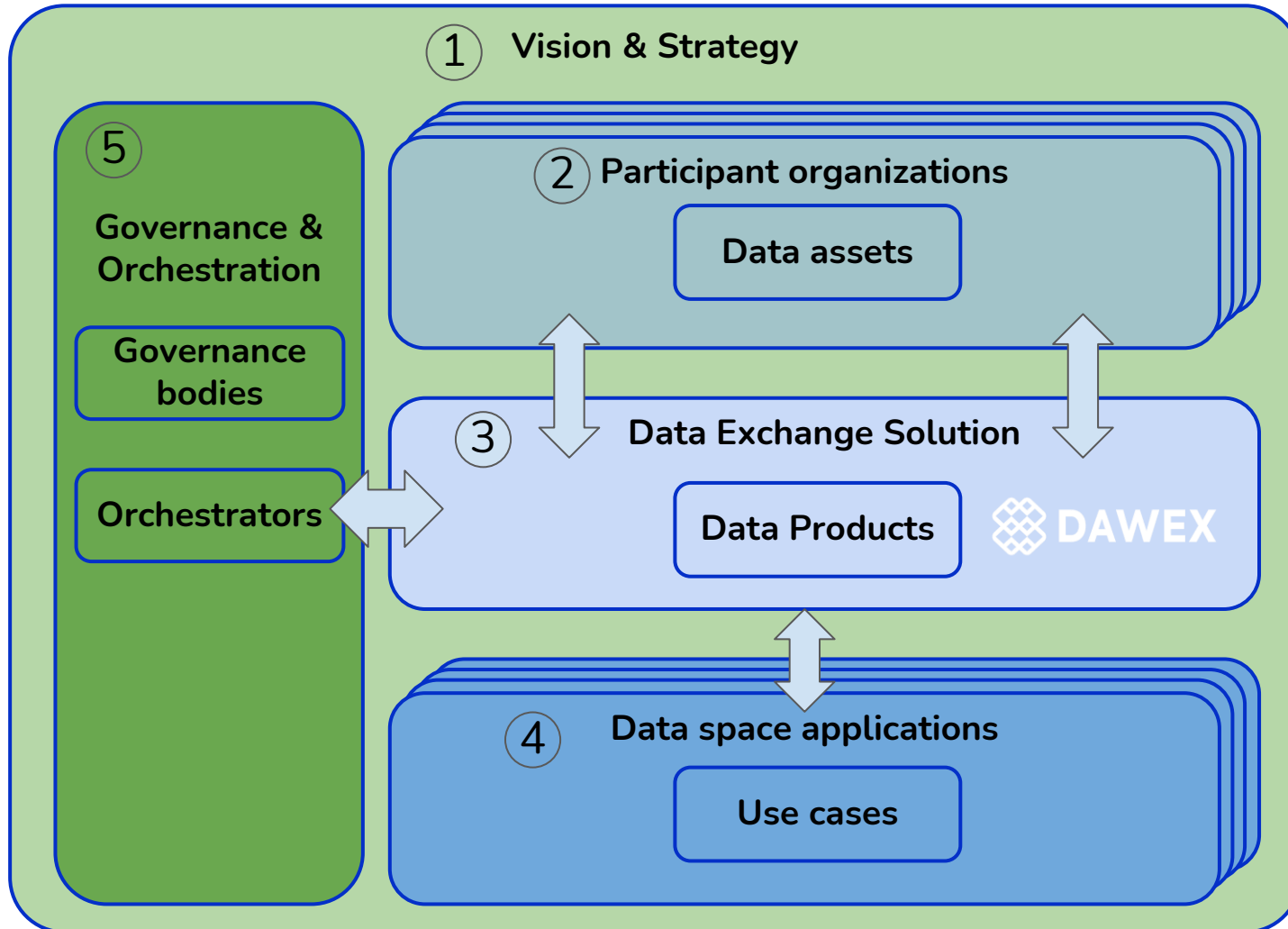
KG

KNEMATS

SB Energy

Data spaces are the data infrastructures of the data economy, set to reach €995 billion and 6.5% of EU27 GDP by 2030*

Data space conceptual representation



- 450+ data spaces expected to be operational in Europe by 2028, and China aiming to launch 100 trusted data spaces by 2028**
- Data space scope spans from vision & strategy, to governance, ecosystem, technology and applications
- Dawex provides orchestrators with the underlying technology to operate data spaces
- Target market for Dawex:
 - Corporate Data Hubs: all major global corporations with revenue over 3 or 4 billion euros concerned
 - Industry Data Spaces: every leader in its industry sector
 - Data Marketplaces: companies of all types, especially those in sectors with typically small margins, such as retail.

AI: a powerful path to semantic interoperability enabling the re-use of data in European Data Spaces

Legal Interoperability

Done in EU: DGA (2023), DA (2025)



- Ensures that organizations operating in different legal frameworks can work together
- Aligns legislation, policies to facilitate cross-border and cross-sector collaboration

Organizational Interoperability

Done: Thanks to DSGA and DSSC

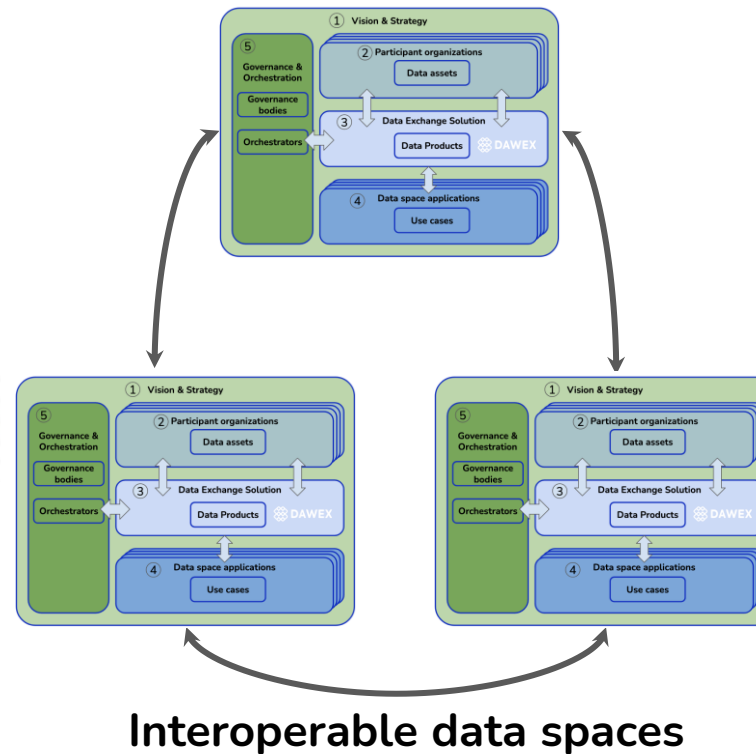


- Ensure identities and claims are verified between organizations
- Establishes clear agreements, responsibilities, and coordination mechanisms



Semantic Interoperability to solve

- Ensures that exchanged data retains its meaning across different systems and organizations.
- Uses standardized **vocabularies, metadata, and ontologies** to achieve a common understanding

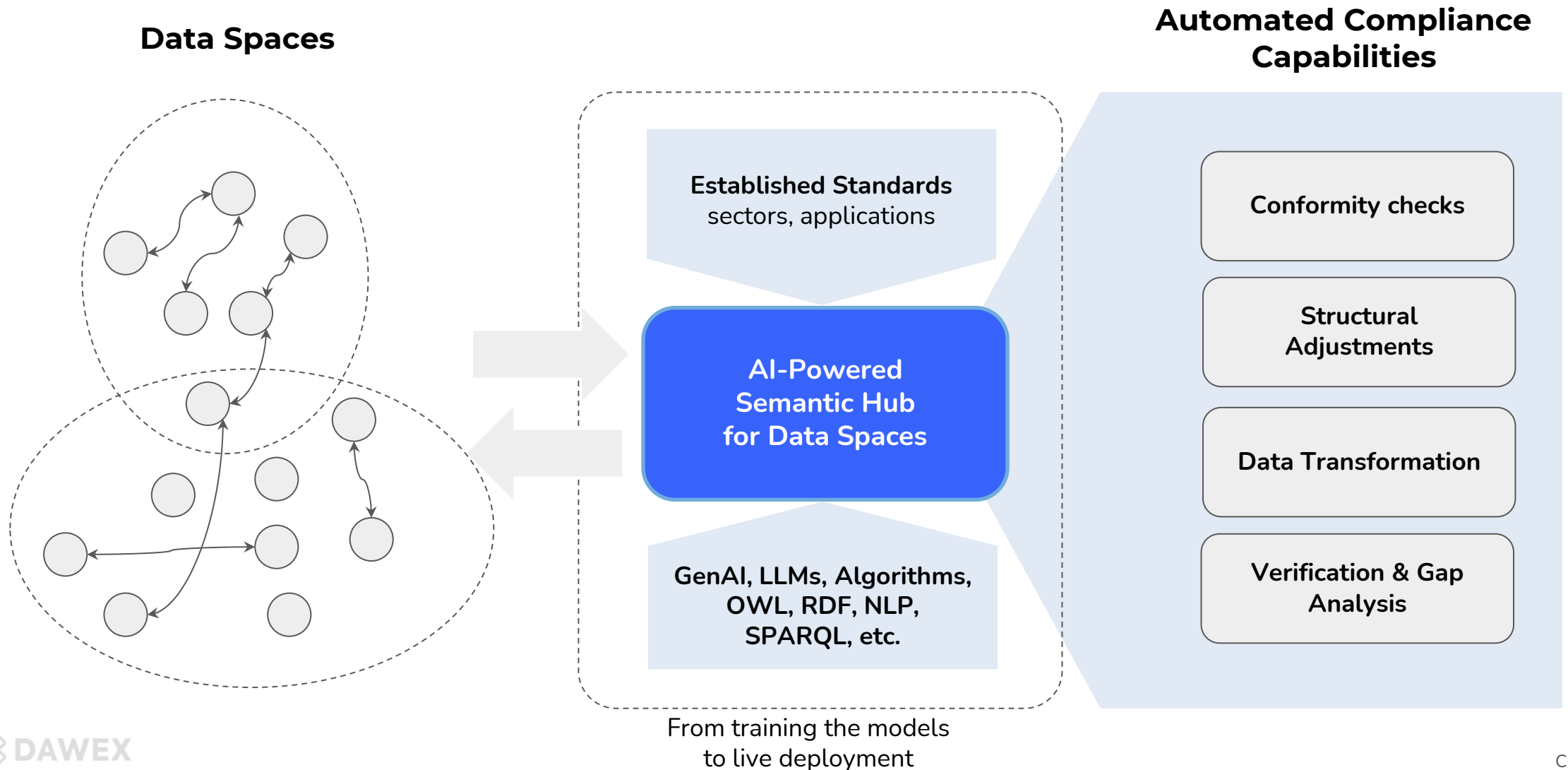


Technical Interoperability

Done : Gaia-X, Trusted Data Transaction, Dataspace Protocol, Eclipse Dataspace WG

- Technical aspects of systems, incl. protocols, APIs, data formats, and security measures
- Ensures IT systems and applications can communicate effectively through agreed-upon standards

Automating the assessment and compliance of data conformity with standards, using AI models and automated control mechanisms



Benefits: Serving European Commission's high level goals while providing many concrete benefits to Data Spaces orchestrators

01

Create a common language within your data space



All-in-one AI-powered solution

02

Remove frictions for seamless data exchange



Eliminates costly manual efforts in aligning data formats, vocabularies, and ontologies

03

Facilitate interoperability with other data ecosystems



Automates data compliance verification to regulation, lowers the risk of non-compliance penalties



Differentiates data space orchestrators by offering plug-and-play semantic compliance as a service.

AI-Powered Semantic Hub for Data Spaces

Open to working on it?

Contact me: frederic.bellaiche@dawex.com