



NWO, COMMIT₂DATA AND TKI DINALOG STIMULATE THE REALIZATION OF AN

OPEN INFRASTRUCTURE FOR TRUSTED, MULTI-LATERAL DATA SHARING

WITH THE PROJECT

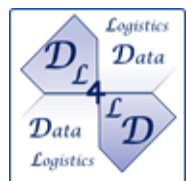
DATA LOGISTICS FOR LOGISTICS DATA (DL₄LD)

Sharing Sensitive Data

Enforcing Data Sharing Agreements

Application of Law

Dispute Settling



THE DL₄LD PROJECT ADDRESSES THE NEED FOR IMPROVED DATA SHARING IN THE SUPPLY CHAIN

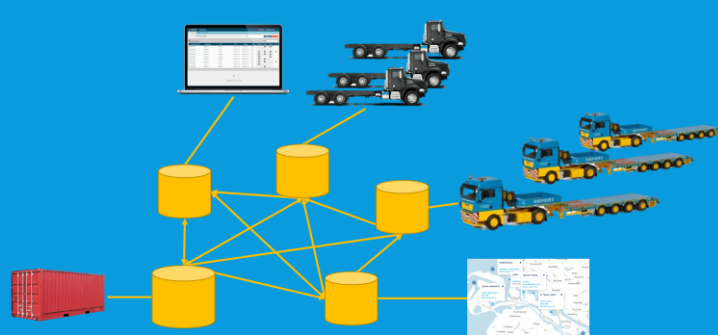
Market Dynamics are changing

- This requires sharing trustworthy data in the supply chain.

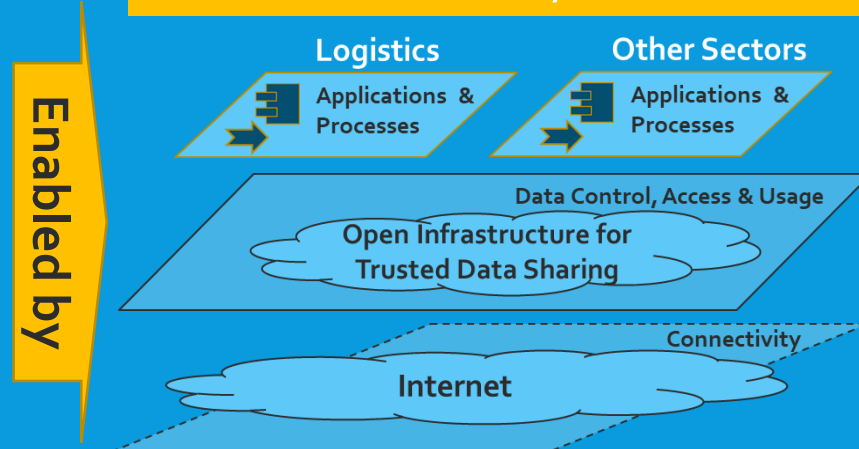
Digital business ecosystems and supply chains with logistics



Sharing of data between (potentially) distrusting parties



Open infrastructure for sharing trustworthy data





DL₄LD ENABLES THE

TRUSTWORTHY SHARING OF SENSITIVE DATA ACROSS ORGANIZATIONS AND SECTORS

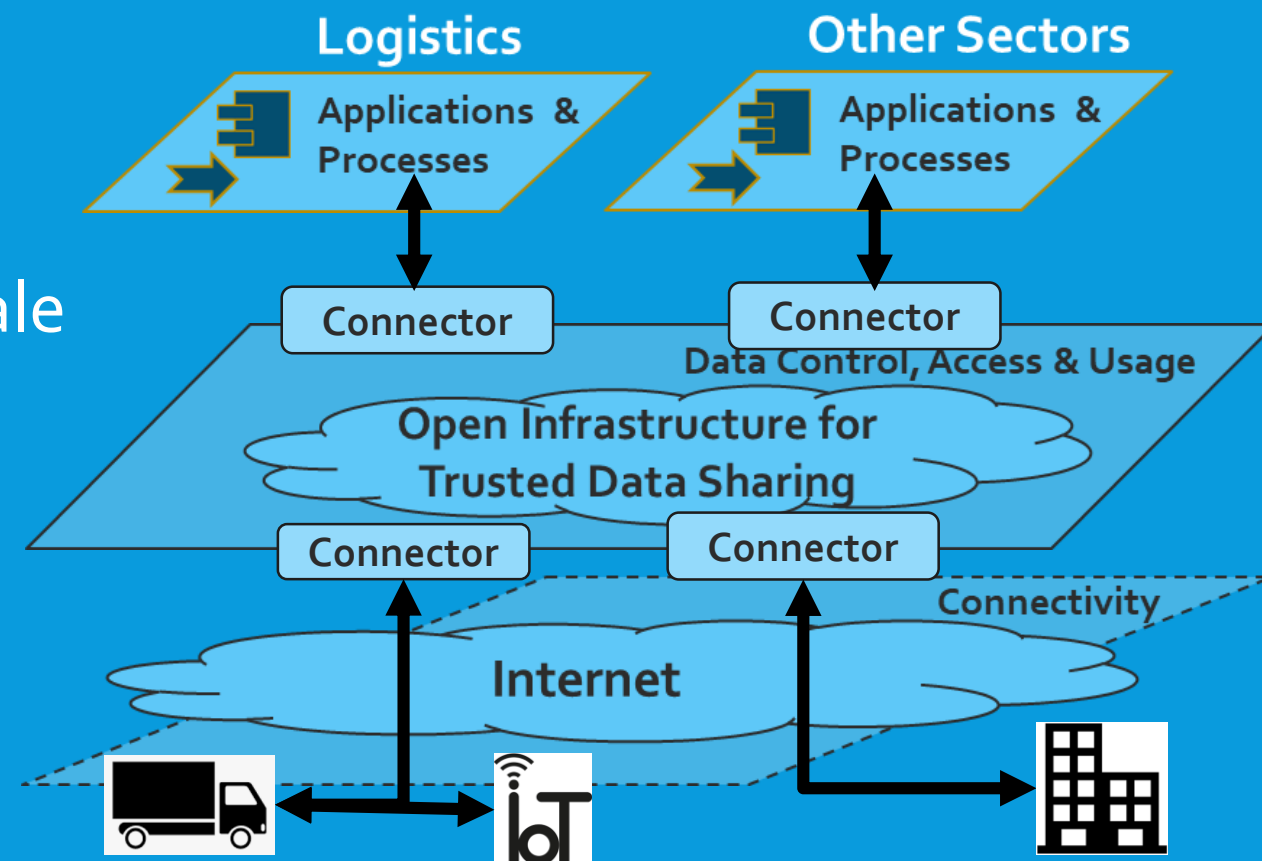
THE DL₄LD PROJECT

Reference architecture:

- To share (logistics) data on a large scale
- That supports trust and is secure

Forward looking research aimed at:

- Enforcement of laws
- Rapid construction





THE DL₄LD PROJECT DEMONSTRATES THE CONCEPTS FOR TRUSTED DATA SHARING IN AN OPEN INFRASTRUCTURE

Towards a reference architecture for sharing trustworthy data

- Trust enabling functions are implemented on an open infrastructure

Must have trust enabling functions

Terms of Use, Legal and Commercial Conditions

Access & Usage Policies

Clearing, Settlement & Billing

Monitoring, Logging, Auditing

Realized by

An open infrastructure for trustworthy data sharing

Enforced Data Sharing Agreements

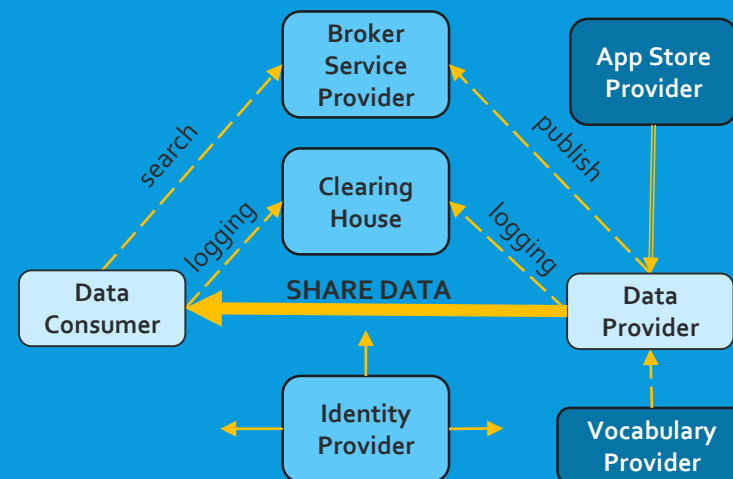
Data and Processing at the Source

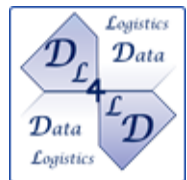
Open through Standardization of Connectors

Certification and Attestation

Defined in

Ecosystem, open to participate and supported by (trusted) roles



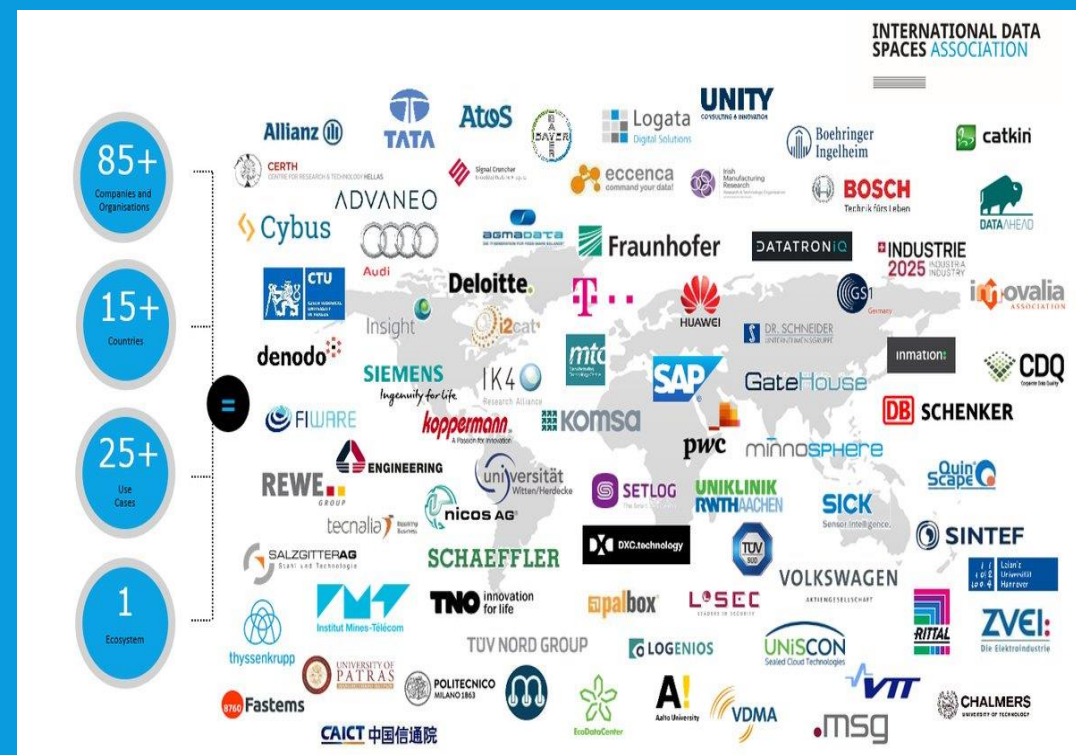


THE REALIZATION WILL BE BASED UPON THE INTERNATIONAL DATASPACE INITIATIVE (IDS)



The DL4LD project builds upon IDS concepts:

- It demonstrates how the IDS trust enabling concepts support an open infrastructure for trustworthy data sharing.
- It assesses its applicability and interoperability across sectors and organizations.
- Supported by TKI Dinalog, the Dutch Institute for Advanced Logistics.



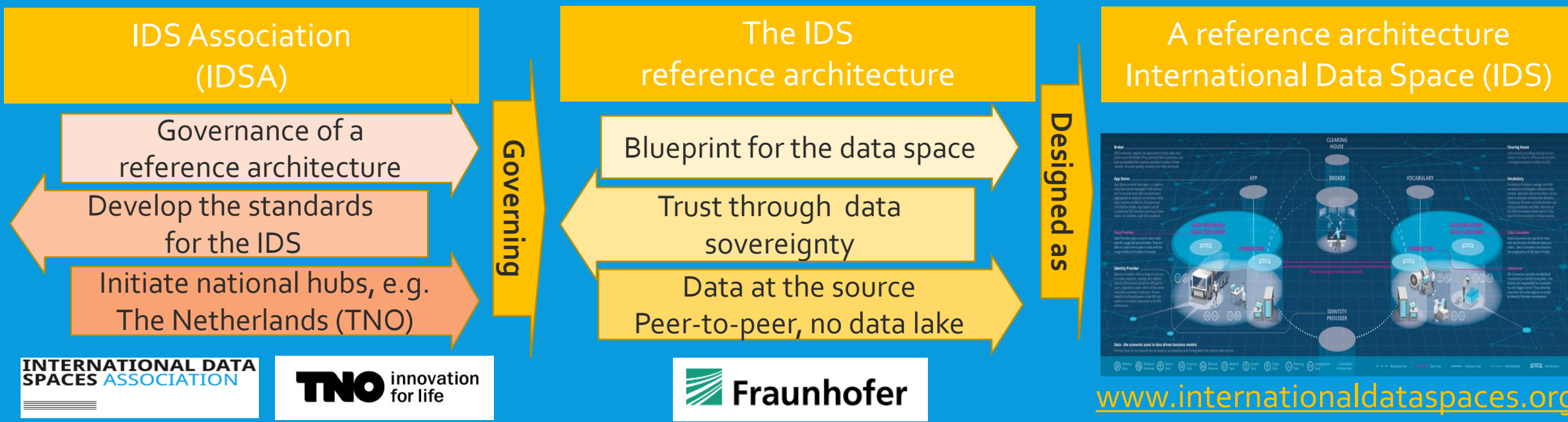
See: www.internationaldataspaces.org



IDS CONSISTS OF A REFERENCE ARCHITECTURE AND IMPLEMENTATION SUPPORTED BY A STRONG COMMUNITY

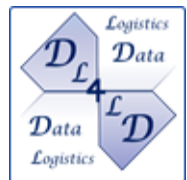
DL4LD co-operates with organizations that develop, promote and deploy IDS

- DL4LD disseminates the IDS data-sharing concepts to logistic business ecosystems



www.internationaldataspaces.org





IN ADDITION, DL4LD'S FORWARD LOOKING RESEARCH EXPLORES: EFFECTIVE DEPLOYMENT OF DIGITAL BUSINESS ECOSYSTEMS



Simplified creation of business ecosystem via governed Digital Market Places

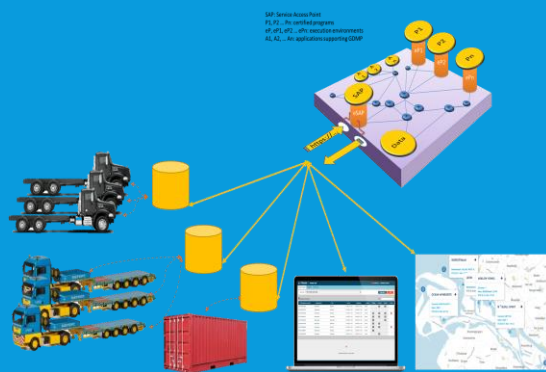
- Data sharing agreements with the market place instead of with every member
- Enforcing legal compliance

Governed business ecosystems



Require

Governance imposed by automatic enforcing of digital contracts



Resulting in

Trusted organizations and governance

to settle disputes

to ensure legality of transactions

to determine trustworthiness of organization

to allow access to digital ecosystem



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