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NWO, COMMIT<sub>2</sub>DATA AND TKI DINALOG STIMULATE THE REALIZATION OF AN

# OPEN INFRASTRUCTURE FOR TRUSTED, MULTI-LATERAL DATA SHARING

WITH THE PROJECT

## DATA LOGISTICS FOR LOGISTICS DATA (DL<sub>4</sub>LD)

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

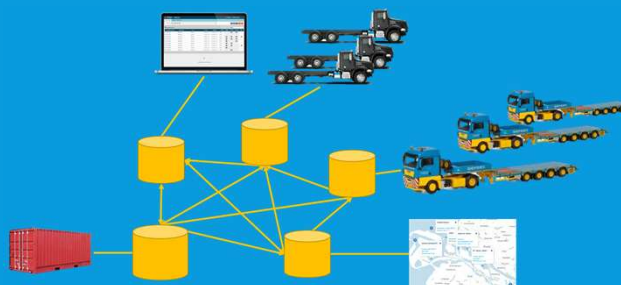
- This requires sharing trustworthy data in the supply chain.

Digital business ecosystems and supply chains with logistics



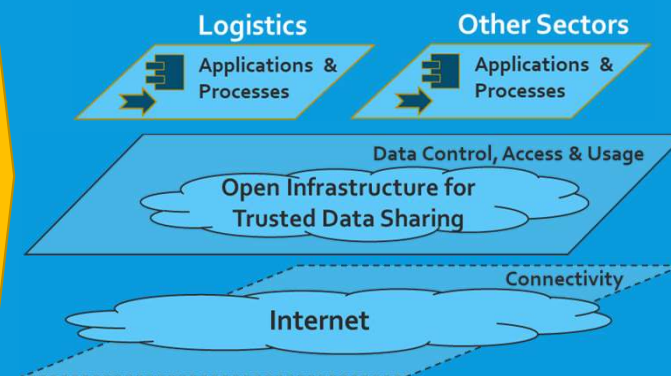
Require

Sharing of data between (potentially) distrusting parties



Enabled by

Open infrastructure for sharing trustworthy data





# DL<sub>4</sub>LD ENABLES THE TRUSTWORTHY SHARING OF SENSITIVE DATA ACROSS ORGANIZATIONS AND SECTORS

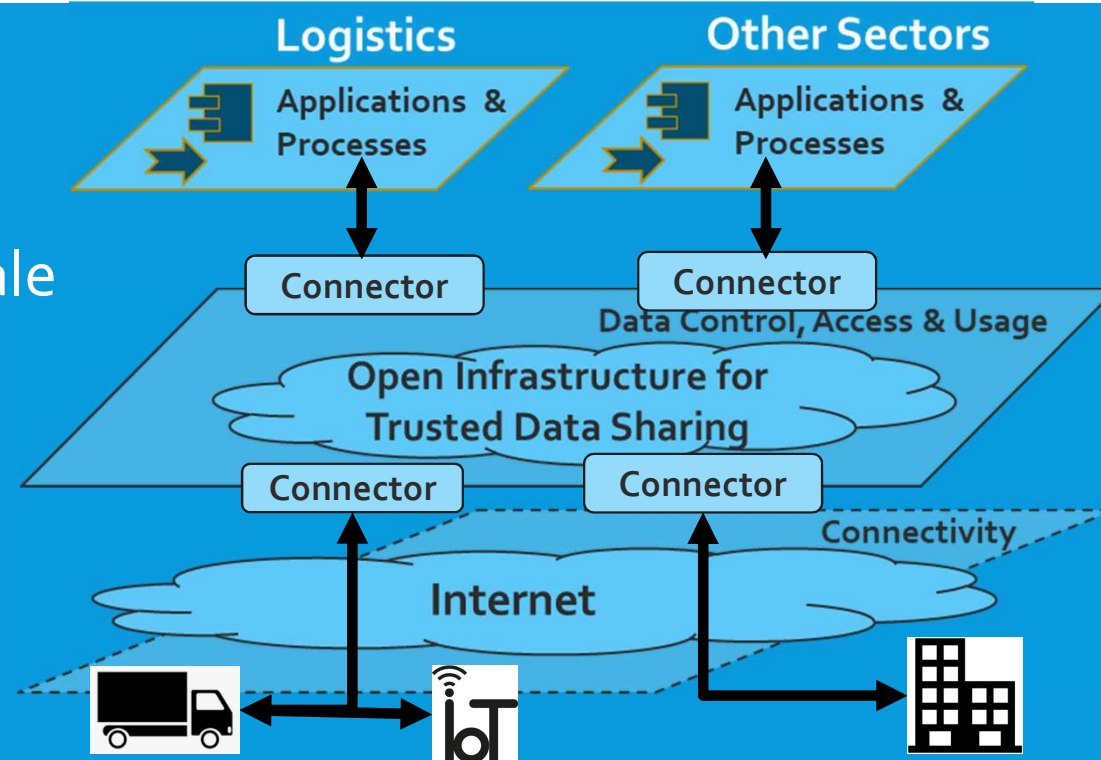
## THE DL<sub>4</sub>LD PROJECT

### 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

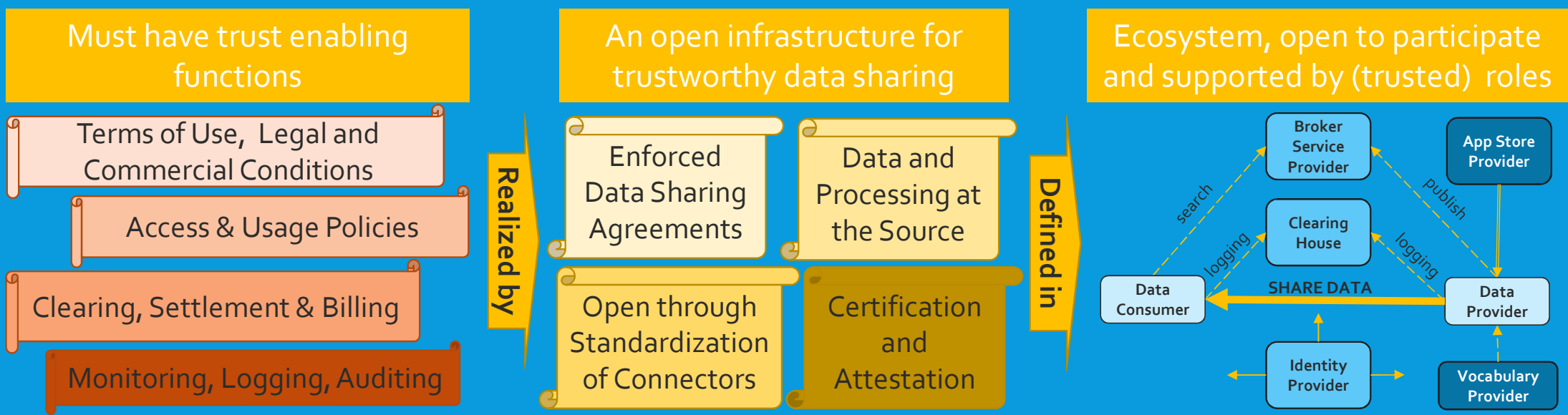




# THE DL4LD PROJECT DEMONSTRATES THE CONCEPTS FOR TRUSTED DATA SHARING IN AN OPEN INFRASTRUCTURE

## Towards a reference architecture for sharing trustworthy data

- Trust enabling functions are implemented on an open infrastructure

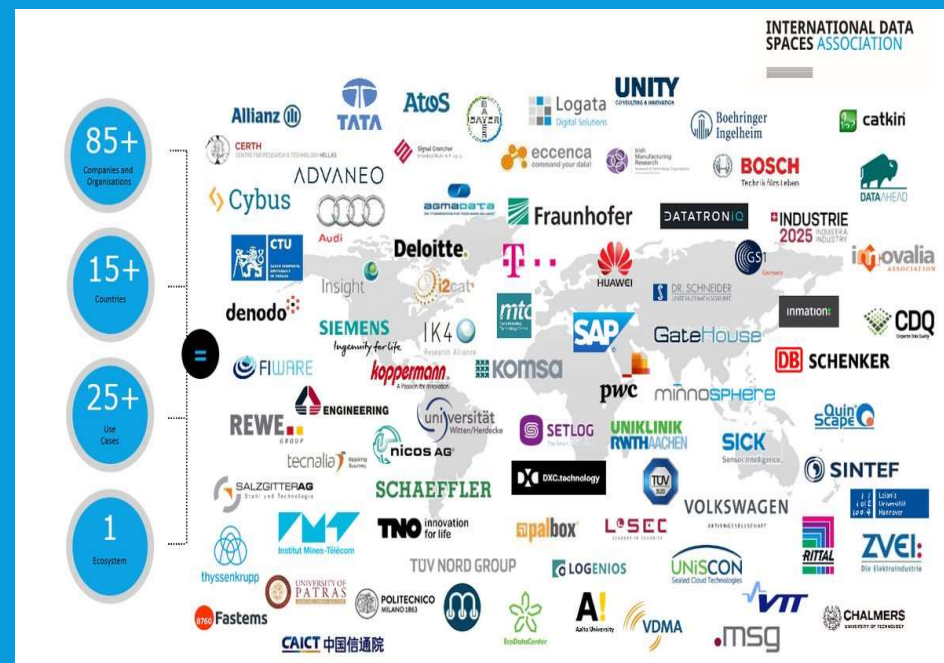




# THE REALIZATION WILL BE BASED UPON THE INTERNATIONAL DATASPACE INITIATIVE (IDS)

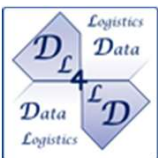
## The DL4LD project builds upon IDS concepts:

- 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](http://www.internationaldataspaces.org)

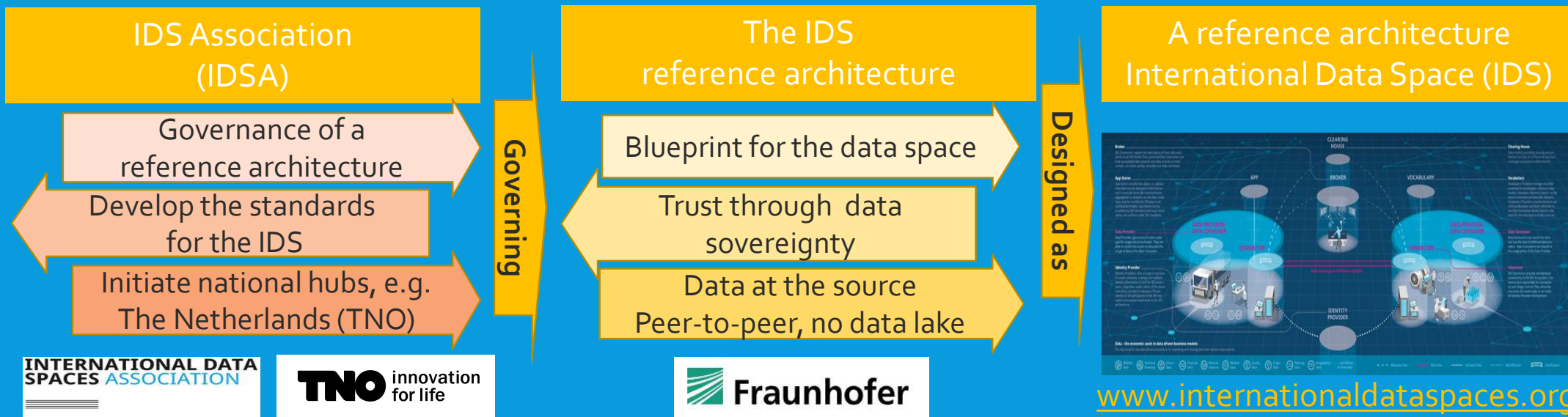




# IDS CONSISTS OF A REFERENCE ARCHITECTURE AND IMPLEMENTATION SUPPORTED BY A STRONG COMMUNITY

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

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





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

## Simplified creation of business ecosystem via governed Digital Market Places

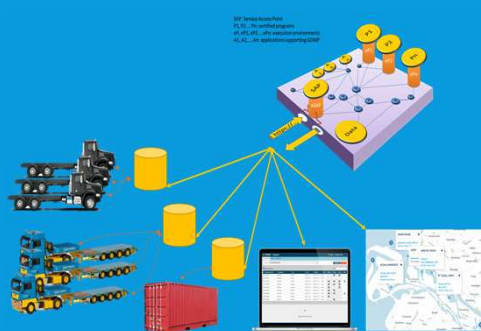
- Data sharing agreements with the market place instead of with every member
- Enforcing legal compliance

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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