

Non-profit & Decentralised & Governed

# Trust Framework

For Business & Personal Data  
Rights in distributed data  
ecosystems and data spaces

7th of October, 2025



# iSHARE

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Co-funded by  
the European Union

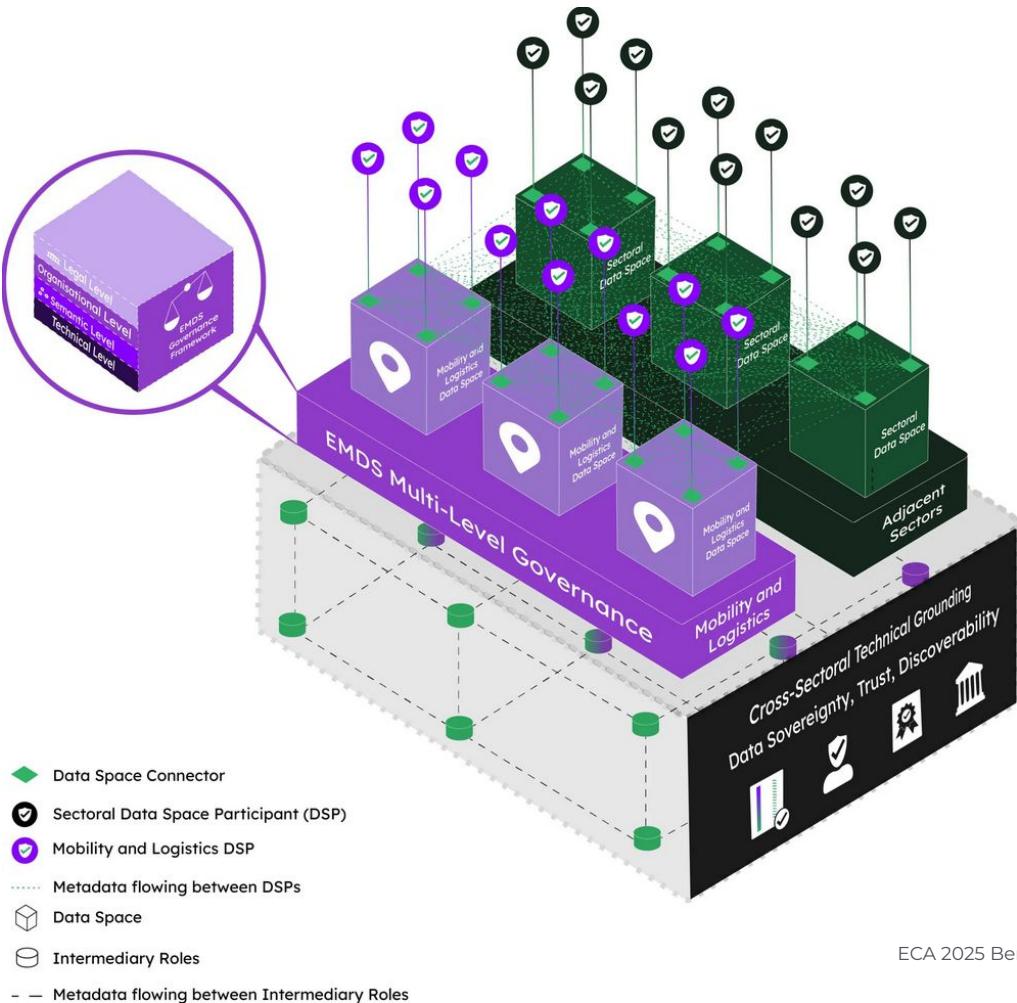


iSHARE

# Your Data Your Choice

Live since 2018

**Every** business and  
**every** person is in  
**multiple domains**  
and **data spaces** by  
***default***





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**94%**  
of data  
is in  
**third party**  
**applications**

# harmonised standard for B2B & **Personal Data** **Rights**, empowering **Data Autonomy**

<https://framework.ishare.eu/>

<https://changes.ishare.eu/>

**Proven and in  
use by leading  
data spaces and  
data sharing  
initiatives**



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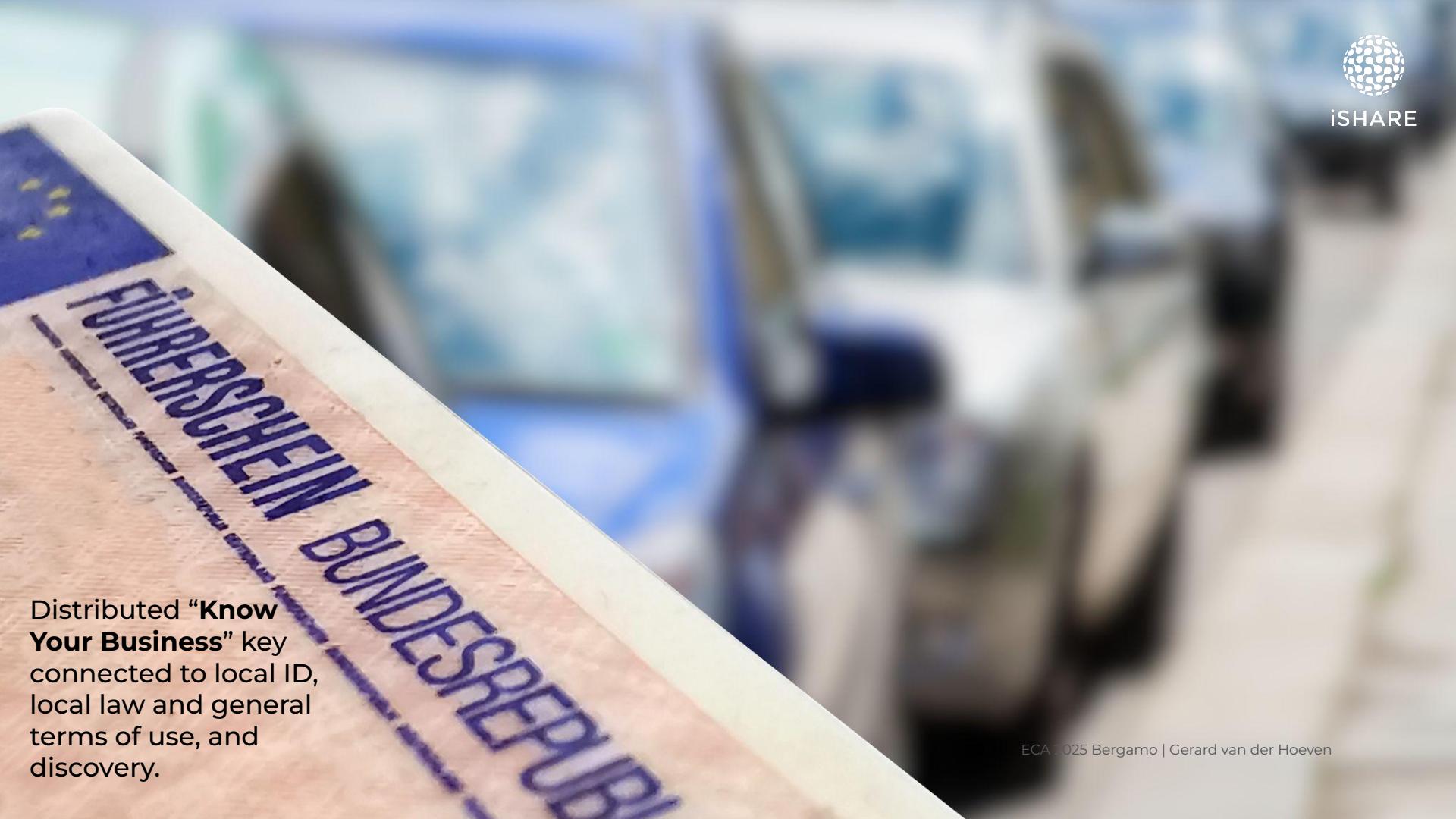
iSHARE  
standardised  
**Organisation  
Identification**  
building on  
**eIDAS** and others



One time  
issuing of  
credentials  
internationally  
issued by local  
issuers



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FÜHRERSCHEIN BUNDESREPUBLIK

Distributed “**Know Your Business**” key connected to local ID, local law and general terms of use, and discovery.



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**iSHARE**  
standardised  
distributed  
**Access Keys to  
Data Attributes**



With detailed  
attestation  
requirements,  
access and usage  
policies



Distributed “**data access key**”  
With detailed attestation  
requirements, access and  
usage policies

# iSHARE standardised **DGA compliant** per transaction **Usage Contracts**



Bringing  
provenance of  
every interaction,  
legally sound and  
defendable

# ● iSHARE eco-system logic



# iSHARE Standard hybrid building blocks

**Standard Identification procedures and party and compliance credentials and discovery**

```
"credentialSubject": {
  "id": "did:ishare:EU.NL.NTRNL-10000000",
  "alsoKnownAs": [
    "did:elis:LEIIG-724501A2SGBRY55MN59",
    "did:key:z0KhKhrfrs03GU0jGvRxTTSamE1WnS9w3nDLezzT1kZVrUStE",
    "did:web:example.com",
    "AS:JA_NTA:123456789012"
  ]
}
```

<https://did.ishare.eu>

Aligned with

INTERNATIONAL DATA SPACES ASSOCIATION 

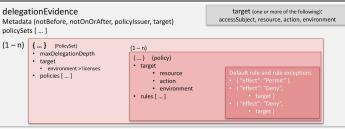
**Standard data space membership credentials and discovery**

```
{
  "type": "dataspaceMembership",
  "registrarId": "did:ishare:EU.NL.NTRNL-10000222",
  "id": "0293042857",
  "dataspaceName": "Mobility Dataspace",
  "dataspaceId": "DSP.EU.NL.DutchMobility",
  "status": "Active",
  "startDate": "2025-02-12T00:00:00Z",
  "endDate": "2026-02-13T00:00:00Z",
  "framework": "iSHARE",
  "loa": "substantial",
  "delegationEvidence": {
    "Metadata": {
      "notBefore": "2025-02-12T00:00:00Z",
      "notAfter": "2026-02-13T00:00:00Z"
    },
    "policySets": [
      {
        "target": "one or more of the following",
        "accessRights": "resource, action, environment"
      }
    ],
    "delegated": [
      {
        "id": "0293042857",
        "target": "the target",
        "environment": "the environment"
      }
    ],
    "evidence": [
      {
        "id": "0293042857",
        "target": "the target"
      }
    ]
  }
}
```

Aligned with

INTERNATIONAL DATA SPACES ASSOCIATION 

**Standard consent ( data rights ) credentials (DRP) and request mechanism**



Aligned with

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**Hybrid Protocolstacks**

- OAuth 2.0
- OpenID Connect
- iSHARE Claims Protocol



- Data Space Protocol
- Decentralised Claims Protocol
- Data Rights Profile
- European Wallets

# Joint Protocols

## Data Act Chapter VIII

### Interoperability - Article 33

-  Automatic access & transmission
-  Open formats & vocabularies
-  Find, access & use
-  Smart contracts

### Interoperability - Article 36

-  Consistency
-  Safe termination/interruption
-  Robustness & access control

## Open-Source Specification: Standardization

PROFILE 1

PROFILE N

Conformity &amp; Policies Profile Spec

CAP DRP

Claims Protocol

DCP

Transport Protocols

Base Protocols

DSP

Projects connected  
or affiliated with EDWG

## Open-Source Implementation: Adoption





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**Let's get  
practical!**



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**Up for a live  
demo?**

# ● Getting started and further reading



**framework.ishare.eu**

**dev.ishare.eu**

**template.ishare.eu**

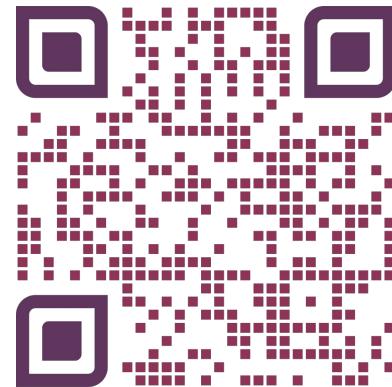




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## Cookbook for Data Spaces



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# ● Production Case : Dutch Green Deal



Netherlands Enterprise Agency

<https://green-deal-dataspace.nl/>

Enabling the Climate agreement objectives:

- **Controlling access** to sources of **1.181.074 buildings**
- Usable by over **1 mln users** with E-herkenning
- Driven by **businesses** needing this information





## Participants : Cross-cutting multiple Data Spaces by default

Interoperability specifications

### Personal Mobility Data Spaces

- Building use cases
- Deploying Data Space
- Data space authority

### Logistics Data Spaces

- Building use cases
- Deploying Data Space
- Data space authority

Multitude of mobility and logistic Data Spaces and data sharing initiatives.

### EMDS

- Organising and representing the mobility community
- Governing mobility data models and data exchange API's
- Governing mobility data value creation (building blocks)
- 'Vertical' legislation and regulations

### Other Sectoral Data Spaces

### Horizontal Frameworks: IDSA, Gaia-X, iSHARE, DSSC Blueprint, ....

- Data Sovereignty, Trust & Discoverability (organisations, components, and natural persons)
- Infrastructure Trust and Digital Sovereignty
- 'Horizontal' legislation and regulations
- Data Space Reference Architectures
- Data Space Building Blocks

Learnings and RFC's to the specifications