

Non-profit & Decentralised & Governed

Trust Framework

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

Presentation for FTV Working
group

21st of October, 2025



iSHARE

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the European Union

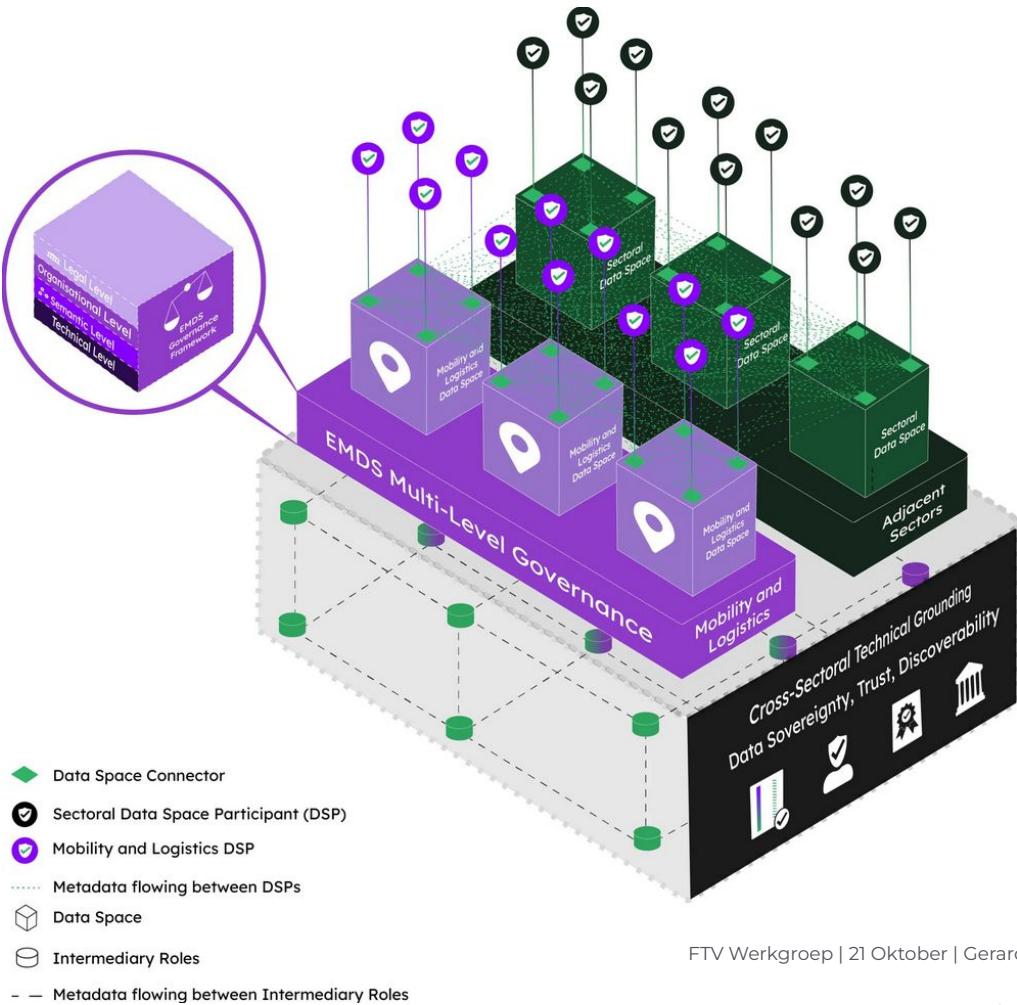


iSHARE

Your Data Your Choice

Live since 2018

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





iSHARE

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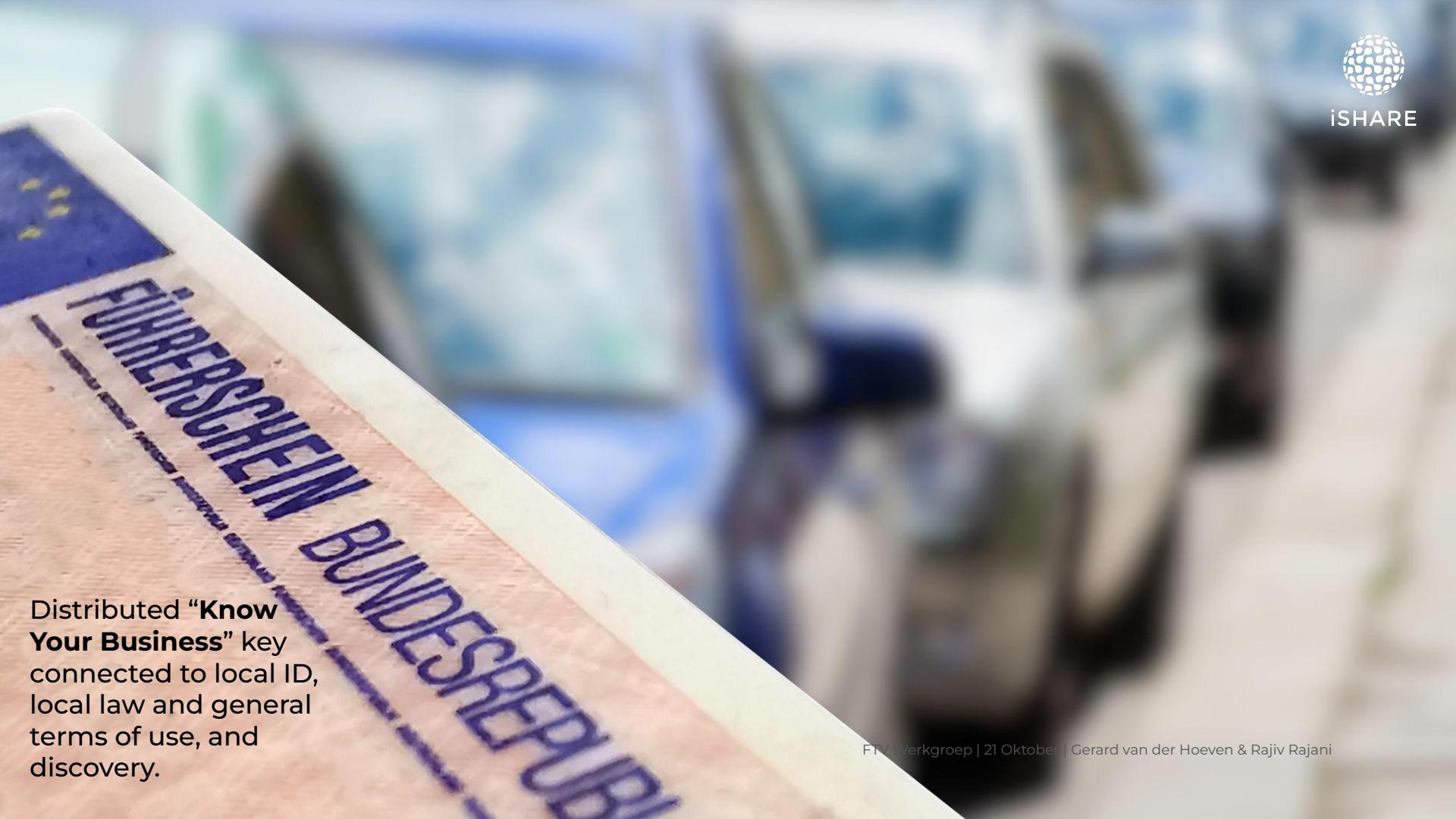
iSHARE
standardised
**Organisation
Identification**
building on
eIDAS and others



One time
issuing of
credentials
internationally
issued by local
issuers



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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 Based

Ecosystems and Use cases



basis data
infrastruktur



European
Commission



and many others

iSHARE Certified

Issuers issuing iSHARE compliant credentials



and many others

Open Source Components implementing iSHARE Specifications



SIMPL

iSHARE Foundation
non-profit standard

iSHARE Foundation

non-profit standard, credential authority and framework governance

define roadmap and governance

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:LEIKG-724501A2SGBRYS55MN59",
    "did:key:z0KhKhrfrs03GU0jGvRxTTSamE1WnS9w3nDLezT1kZVrUStE",
    "did:web:example.com",
    "AS:JA_NTA:123456789012"
  ]
}
```

<https://did.ishare.eu>

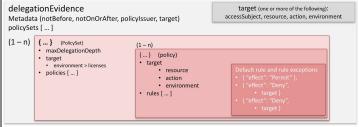


Standard data space membership credentials and discovery

```
{
  "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": {
    "target": "one or more of the following: accesskey, resource, action, environment"
  }
}
```



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



Hybrid Protocol Stacks

- OAuth 2.0
- OpenID Connect
- iSHARE Claims Protocol

- Data Space Protocol
- Decentralised Claims Protocol
- OID4VC
- Data Rights Profile
- European Wallets

Joint Protocol Development in EDSWG

Data Act Chapter VIII

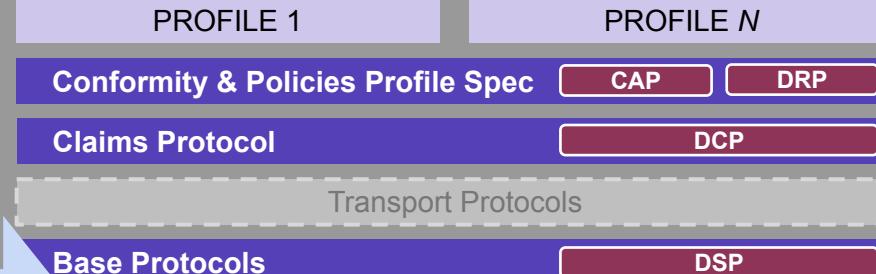
Interoperability - Article 33

- 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



Projects connected
or affiliated with EDSWG



Open-Source Implementation: Adoption

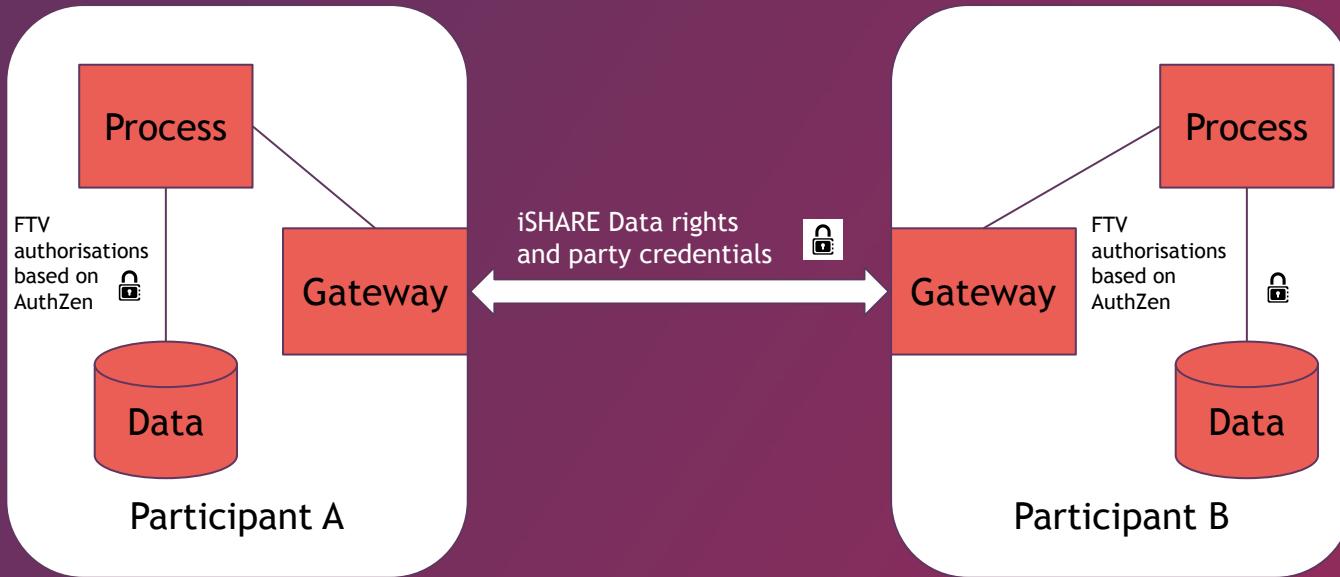


Joint standardisation in JTC 25

Four working groups (WGs) were created to focus on specific areas:

- **WG 1: Advisory Group:** This group will support collaboration among members and with relevant stakeholders, particularly the Focus Group on Data, Dataspaces, Cloud, and Edge.
- **WG 2: Dataspaces:** This group will address topics specific to dataspace from the Standardization Request related to the Data Act and incorporate the findings from the CWA Trusted Data Transaction.
- **WG 3: Data Management and Data Governance:** This group will tackle the remaining topics from the Standardization Request, focusing on DCAT, ontologies, and data management.
- **WG 4: Cloud and Edge:** This group will undertake preparatory activities for the anticipated Standardization Request in this area.

In close cooperation with IDSA, Gaia-X and iSHARE but together with many many others!



Simplified view



iSHARE

Let's get practical!



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Up for a live demo?

● Getting started and further reading



framework.ishare.eu

dev.ishare.eu

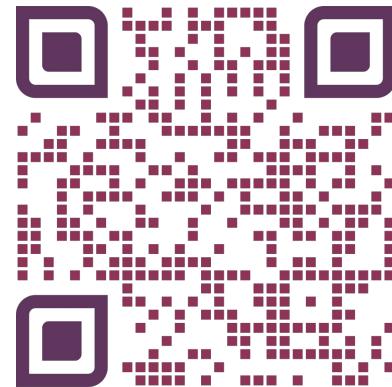
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Cookbook for Data Spaces



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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



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