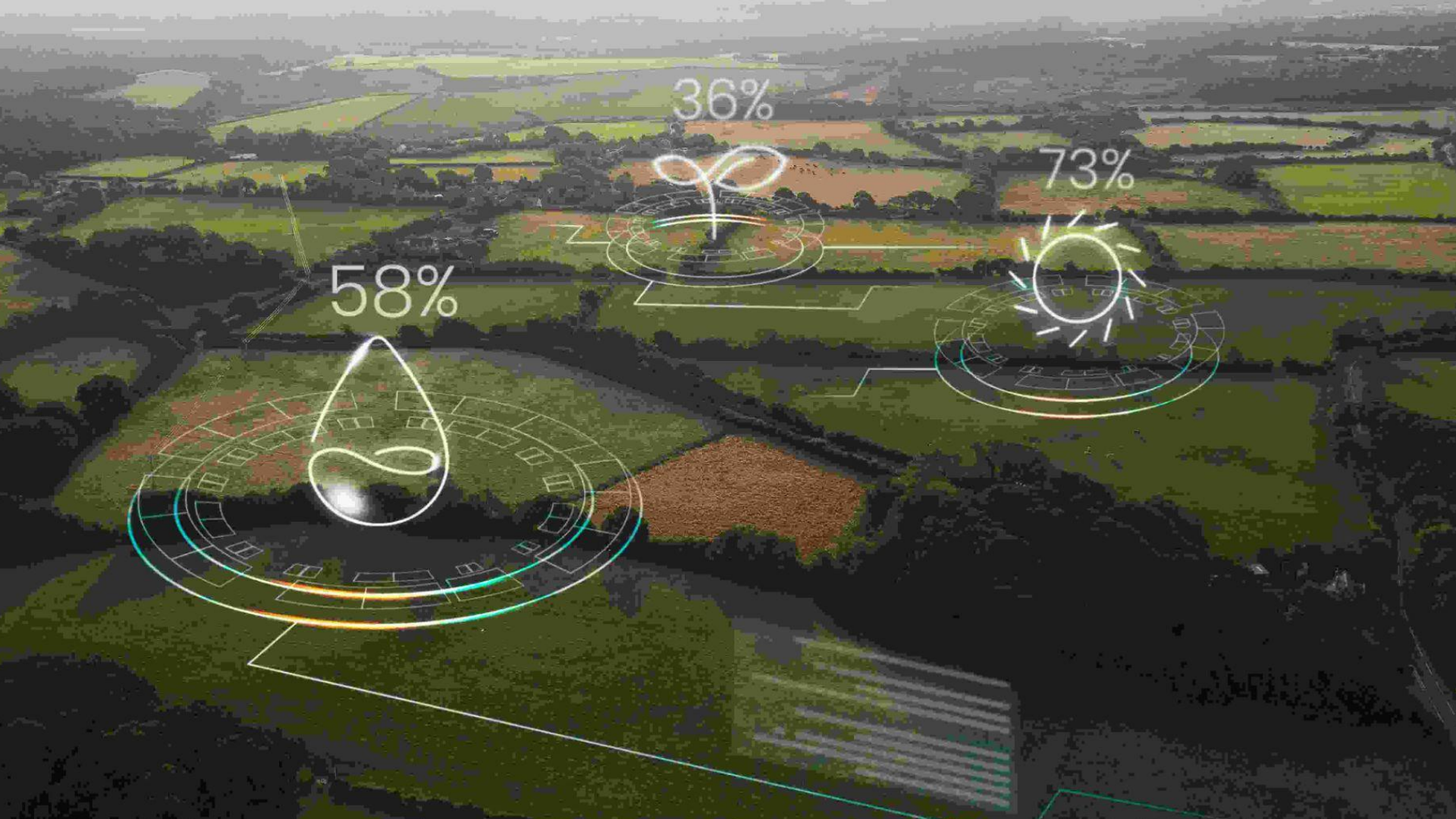




Non-profit & Decentralised & Governed

● Trust Framework

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



20th of November, 2025



iSHARE

Gerard van der Hoeven & Team
gerard@ishare.eu



Co-funded by
the European Union



iSHARE

Your Data Your Terms Your Choice

Live since 2018



iSHARE

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



iSHARE

94%
of data
is in
third party
applications



iSHARE

harmonised standard
for **B2B & B2G &**
Personal
Data Rights,
empowering **Data**
Autonomy

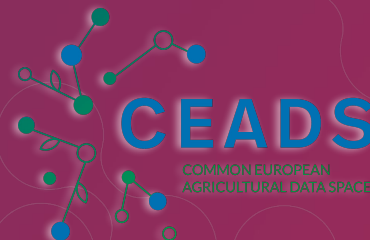
<https://docs.ishare.eu/>

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



iSHARE

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





iSHARE

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



**One time
issuing of
credentials
internationally
issued by local
issuers**



iSHARE



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



iSHARE

iSHARE

standardised
distributed

Access Keys to Data Attributes



**With detailed
attestation
requirements,
access and usage
policies**



iSHARE

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

AgroConnect 20 November 2025 | Gerard van der Hoeven

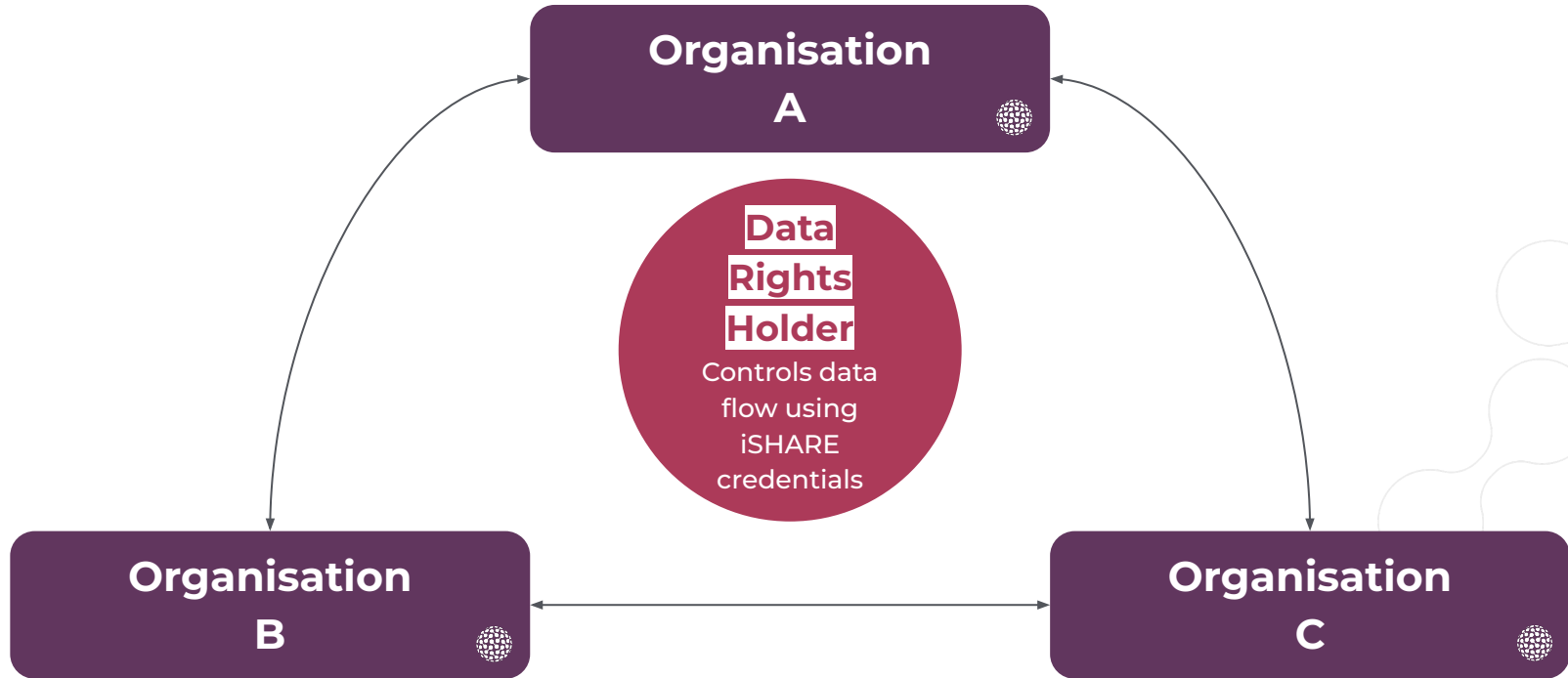


iSHARE

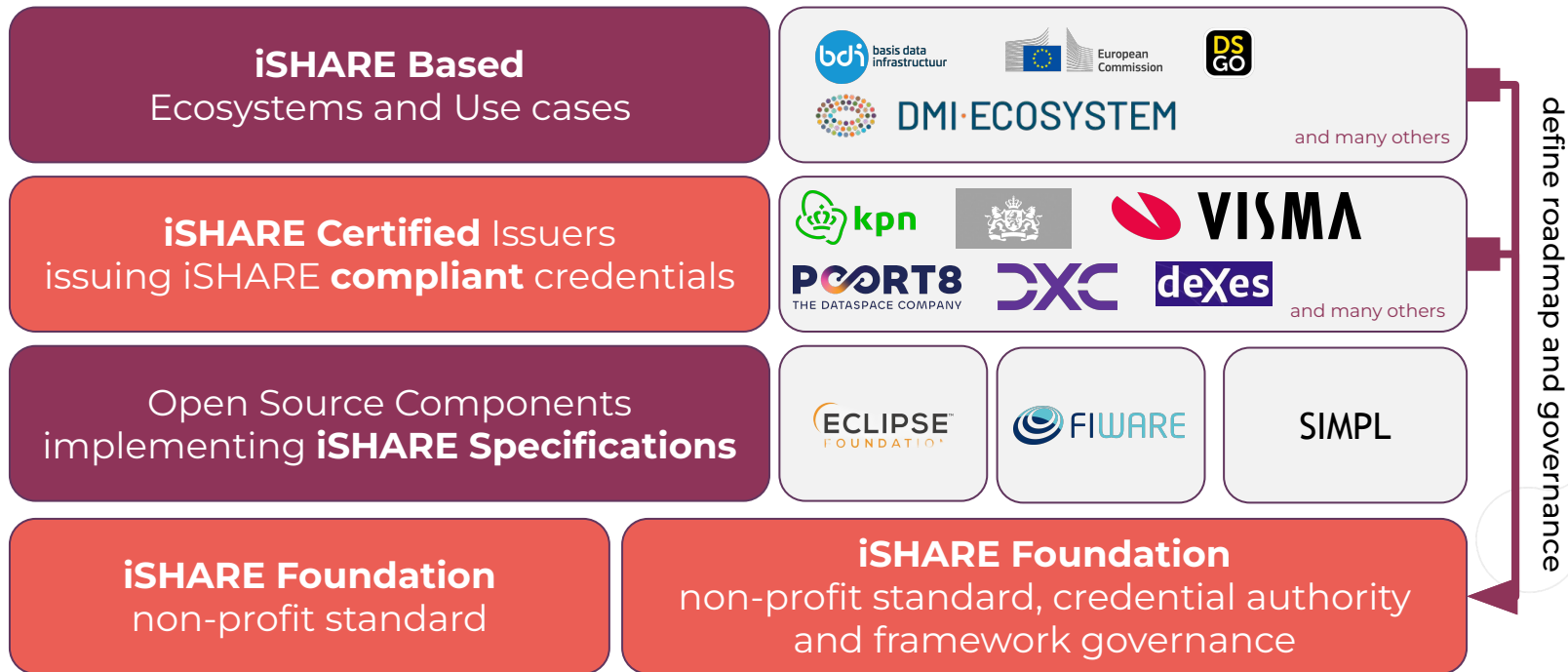
iSHARE
standardised
DGA compliant
per transaction
Usage Contracts

Bringing
provenance of
every interaction,
legally sound and
defendable

Enabling cross organisation data delegations without central platforms



● 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:elsi:LEIG-724501A250BRYS5MNSS9",  
    "did:key:z6Mhfrs03GUDj0vRxTTSame1WnS9w3nDjLeZzT1KZVpU5tE",  
    "did:web:example.com",  
    "AS.JA.NTA:1234567890122"  
  ]  
}
```

<https://did.ishare.eu>



Aligned with

INTERNATIONAL DATA
SPACES ASSOCIATION



Standard data space membership credentials and discovery

```
{  
  "type": "dataspaceMembership",  
  "registrerId": "did:ishare:EU.NL.NTRNL-10000222",  
  "id": "0293042857",  
  "dataspaceName": "Mobility Dataspace",  
  "dataspaceId": "DSP.EU.NL.DutchMobility",  
  "status": "Active",  
  "startDate": "2025-02-12T00:00:00.000Z",  
  "endDate": "2026-02-13T00:00:00.000Z",  
  "framework": "iSHARE",  
  "loa": "substantial",  
}
```



Aligned with

INTERNATIONAL DATA
SPACES ASSOCIATION



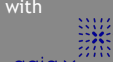
Standard consent (data rights) credentials (DRP) and request mechanism

```
delegationEvidence  
Metadata (subject, role, policy, target)  
policySets [...]  
[1 - n] [...]  
  - subject  
  - role  
  - policy  
  - target  
  - environment  
  - rules  
[1 - n] [...]  
  - subject  
  - role  
  - policy  
  - target  
  - environment  
  - rules  
[1 - n] [...]  
  - subject  
  - role  
  - policy  
  - target  
  - environment  
  - rules
```



Aligned with

INTERNATIONAL DATA
SPACES ASSOCIATION



Hybrid Protocolstacks

- OAuth 2.0
- OpenID Connect
- iSHARE Claims Protocol

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

Joint Protocols

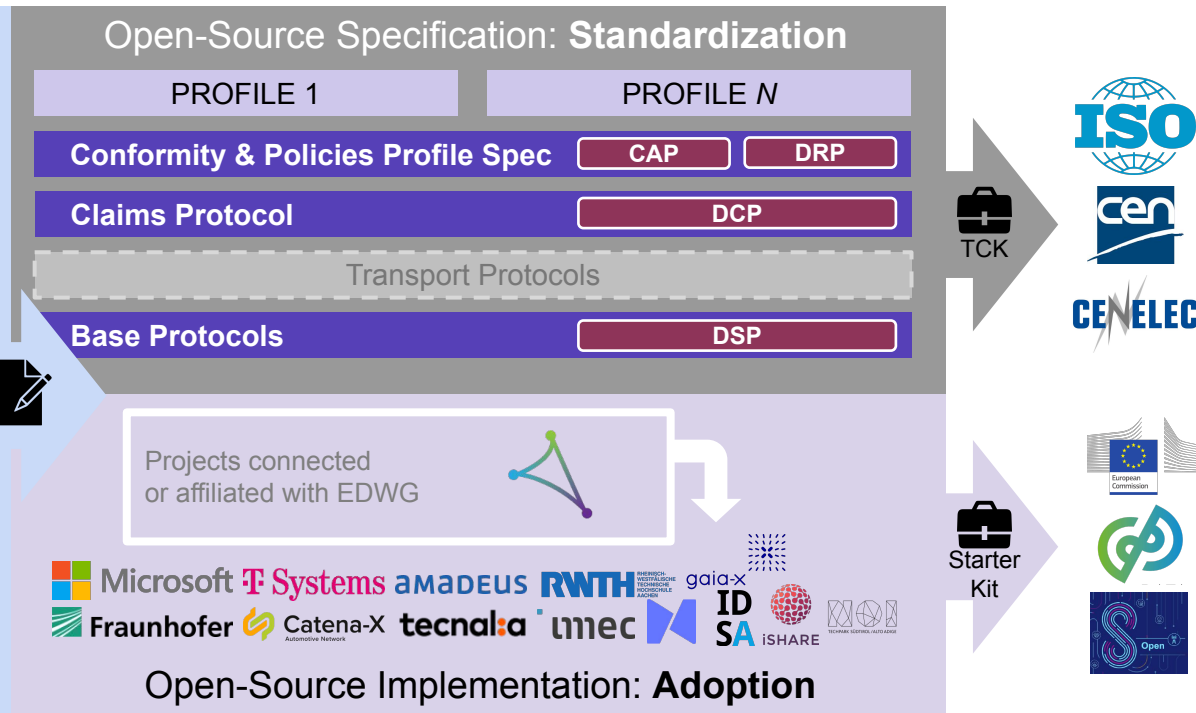
Data Act Chapter VIII

Interoperability - Article 33

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

Interoperability - Article 36

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





iSHARE

**Let's get
practical!**

● 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





iSHARE

**Up for a live
demo?**

● Getting started and further reading

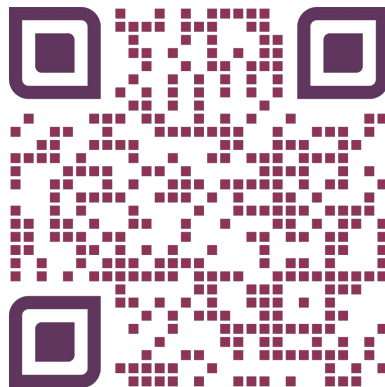
docs.iSHARE.eu



iSHARE

Download >

Cookbook for Data Spaces



Gerard van der Hoeven
gerard@ishare.eu



iSHARE

Participants : Cross-cutting multiple Data Spaces by default



iSHARE

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

Interoperability specifications

Learnings and RFC's to the specifications