



● Enabling Distributed Trust in Agriculture data spaces

with the iSHARE Trust Ledger and open-source
components

AgroConnect Summer Seminar

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What do these remind you of, subconsciously?



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● We need trust everyday...



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..usually building on the shoulders of others..



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... but can we say the same for data
online?



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- ...because we care of our (business) data and our businesses depend on it...



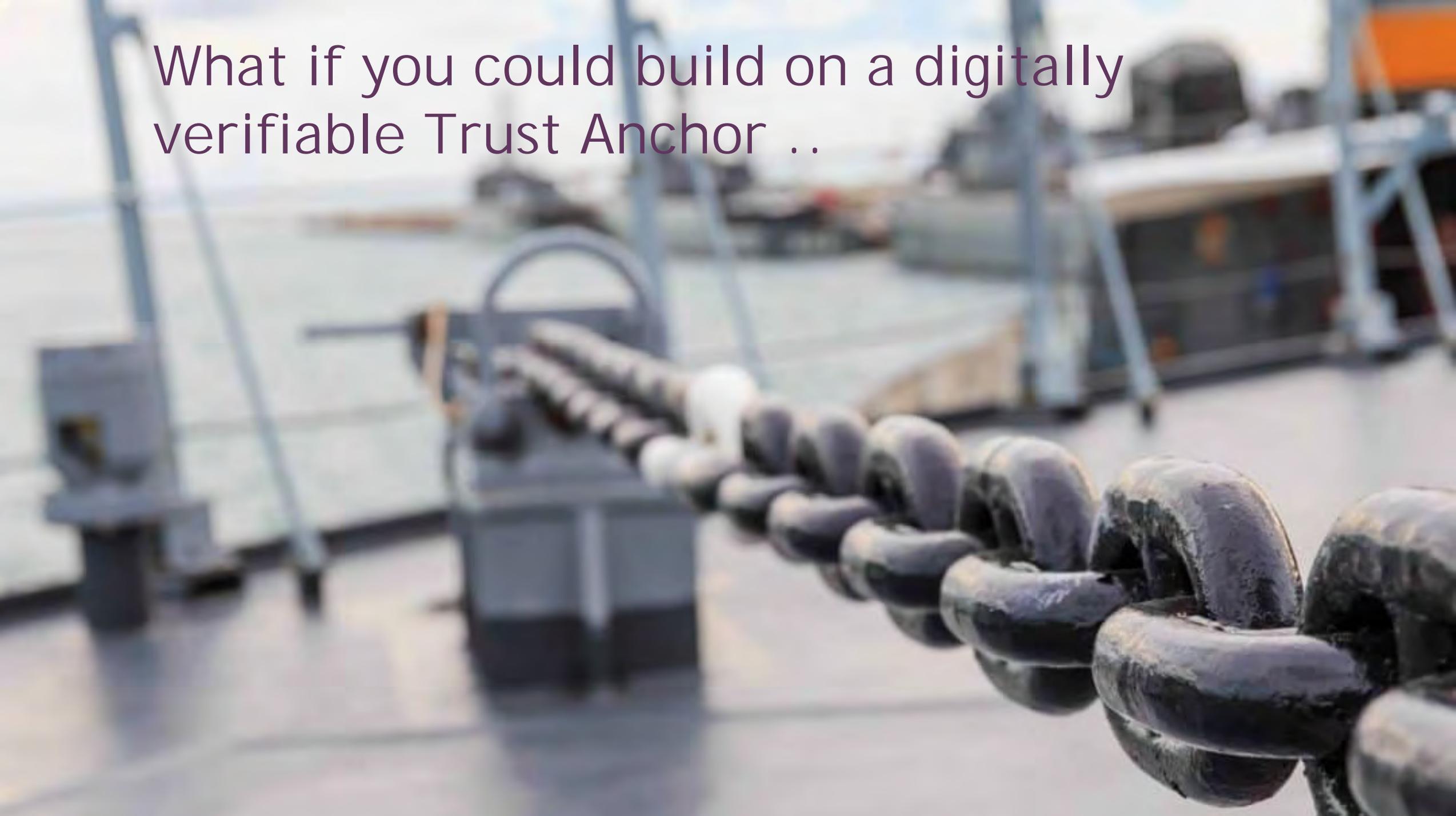
Leading to bilateral contracts, key exchange and heavy data clauses ..



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What if you could build on a digitally verifiable Trust Anchor ..



And with that as a foundation authorize organisations to only access that data set with those conditions that you want. Dynamically, Digitally Verifiable, Controllable and Traceable





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Data agnostic

Federated and
Distributed

Non Profit



iSHARE
Trust Framework

Bringing:

Data Sovereignty and

Trust

in Data Sharing
in Data Spaces



iSHARE



Live since 2018

Data of over 1,5 Mln
businesses

Trusted by Governments

Growing 100x this year

Reaching + 100.000
participants this year

Compliant with Gaia-X, IDSa



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Trust Framework

● iSHARE Core Elements



Authorization registry standard and service providers.

Distributed Ledger for registration of Verified Organisations (Participants in data spaces) ,
Digitally Verify Credentials and Authorizations
and retrieve pointers to Authorizations and Data offering.

Shared International Legal Framework
Covering data handing and use of licences

iSHARE Satellite (IDSA Paris)
- Register Participants (DLT)

- signed contracts
- certificates
- capabilities end-point
- authorization end-point

iSHARE Legal framework for confidential business data sharing
- Tested and proven legal framework for one to many data sharing, governed by the iSHARE Foundation

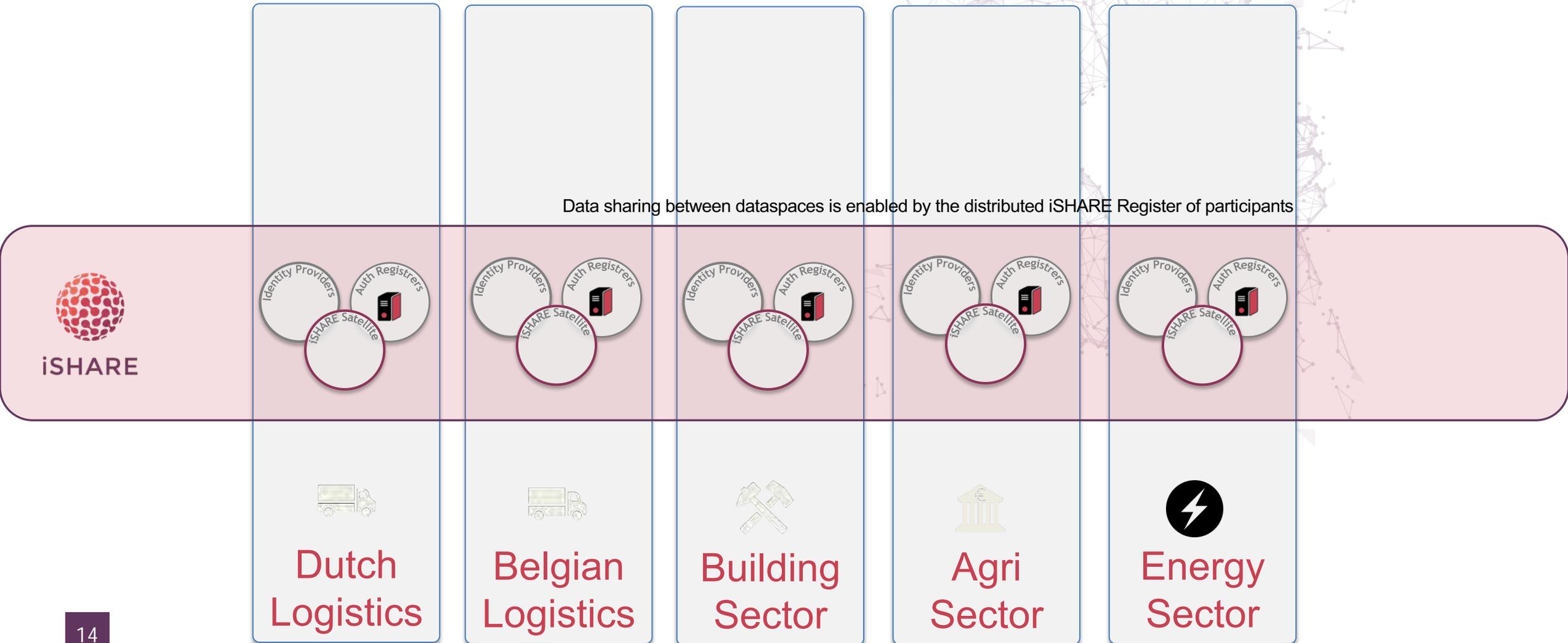
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the iSHARE ledger is cross cutting sectors, data spaces and geographies...



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Data sharing between dataspace is enabled by the distributed iSHARE Register of participants



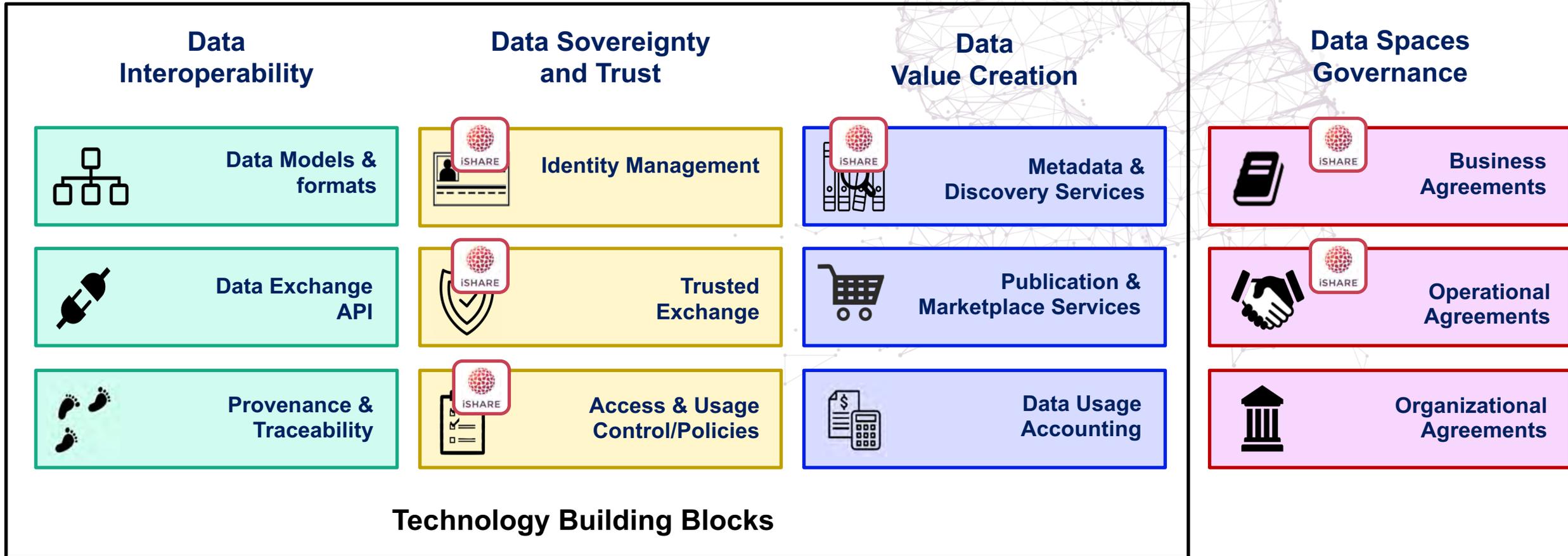


Bringing building blocks for Data Spaces

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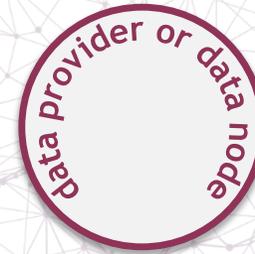


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Federated Data Space Core Roles



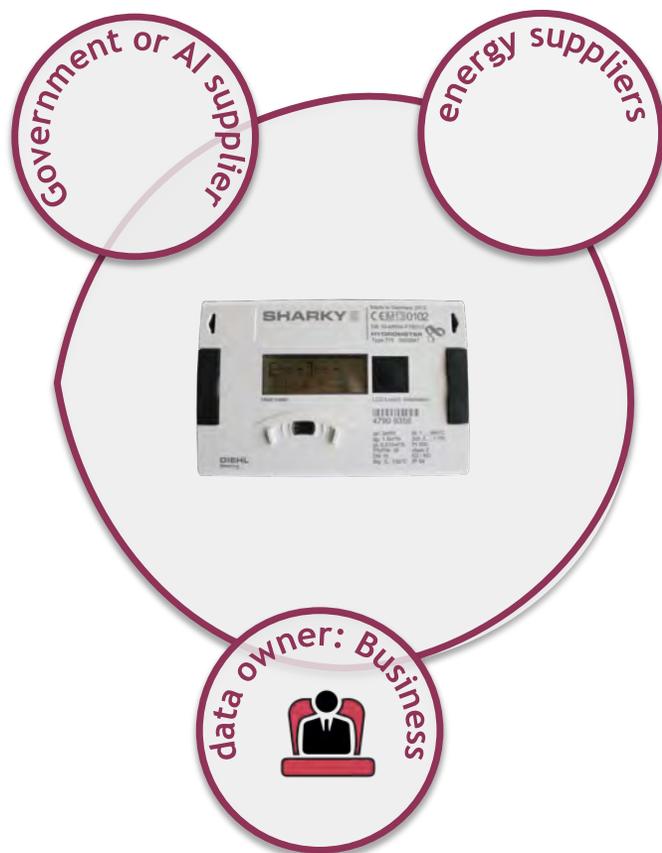
All IDPs complying with the EIDAS framework or iSHARE Framework in case intercontinental

Service providers or own implementation with the open source components from iSHARE or i4Trust.

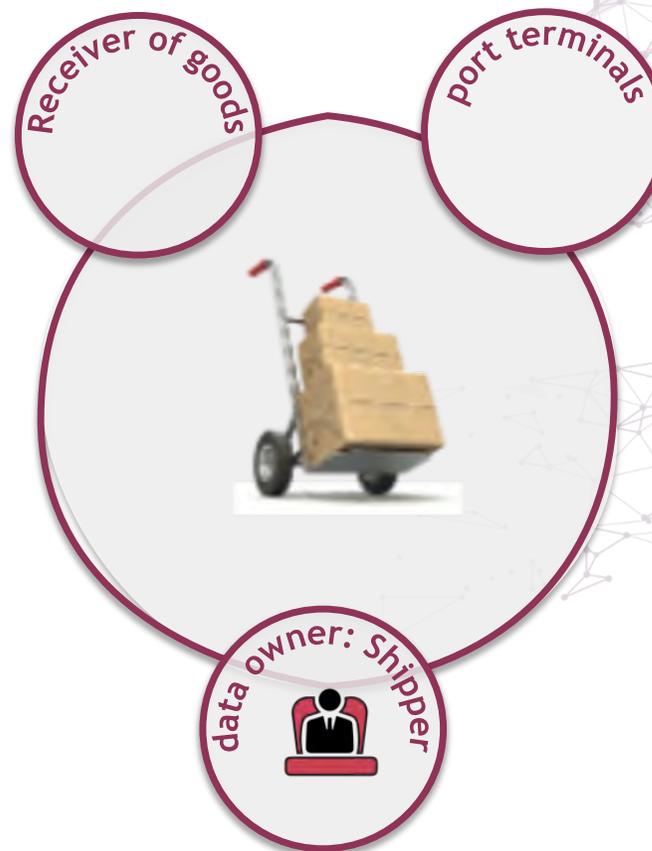
Use case examples of pragmatic data spaces



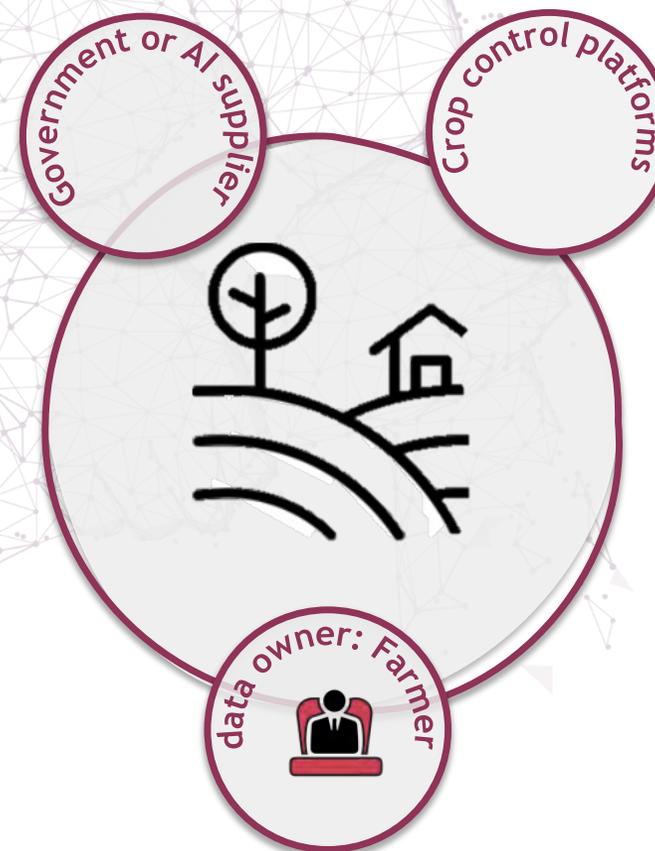
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Climate agreement reporting



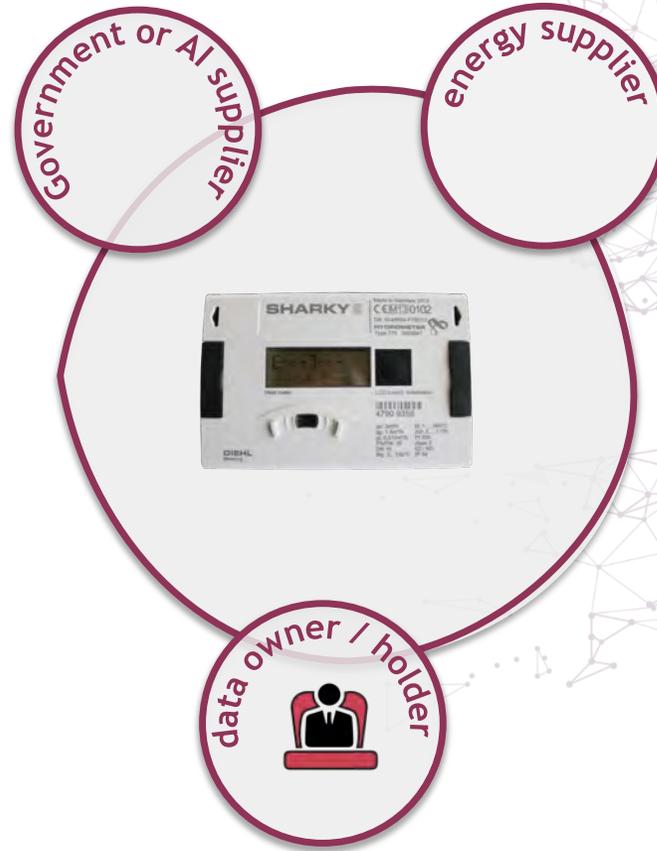
Prediction of arrival of goods



Food value chain reporting

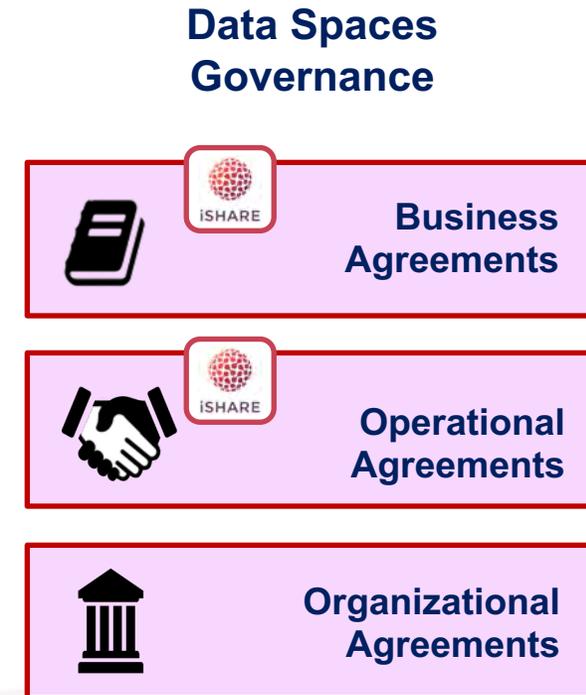
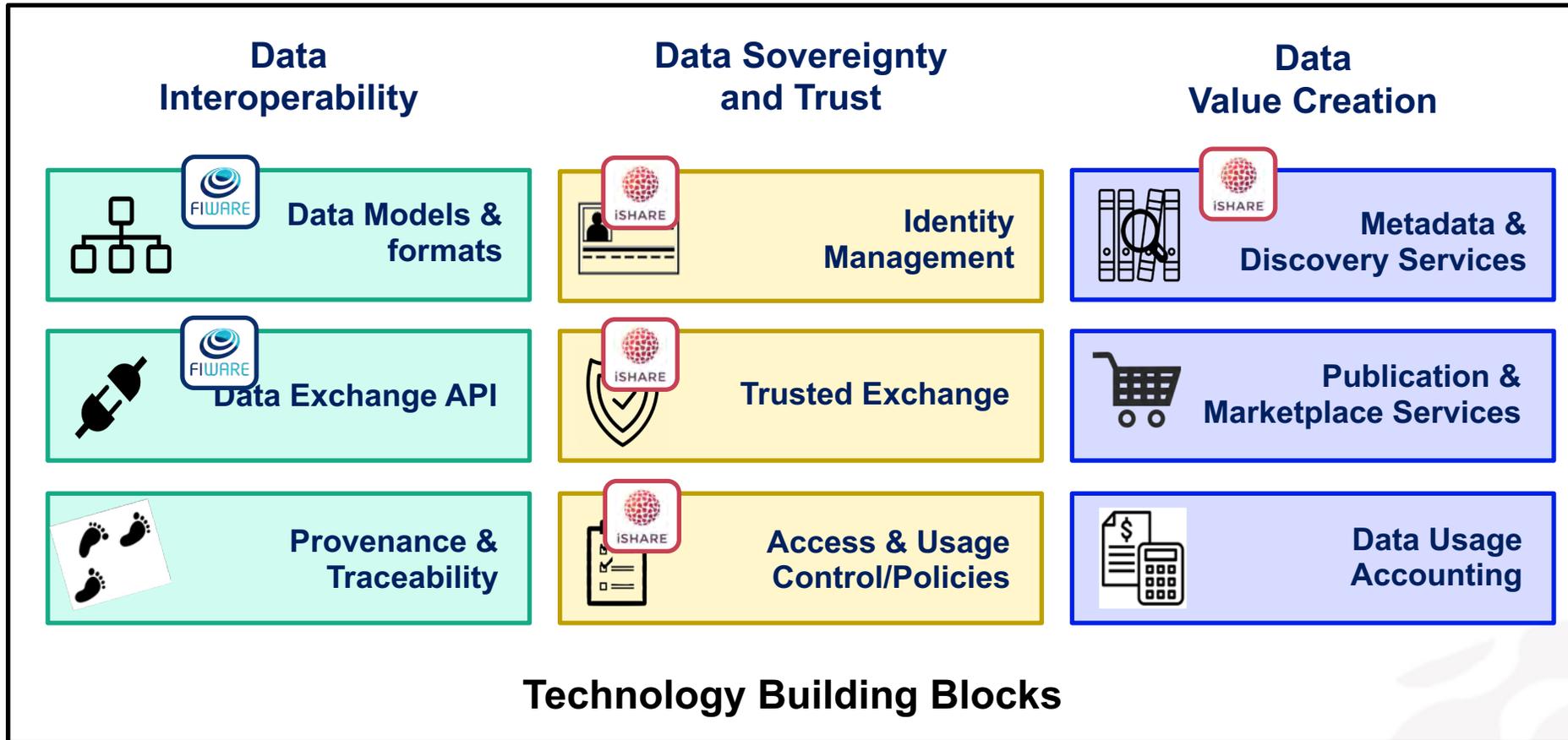


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Climate agreement reporting

● Design principles of this data space

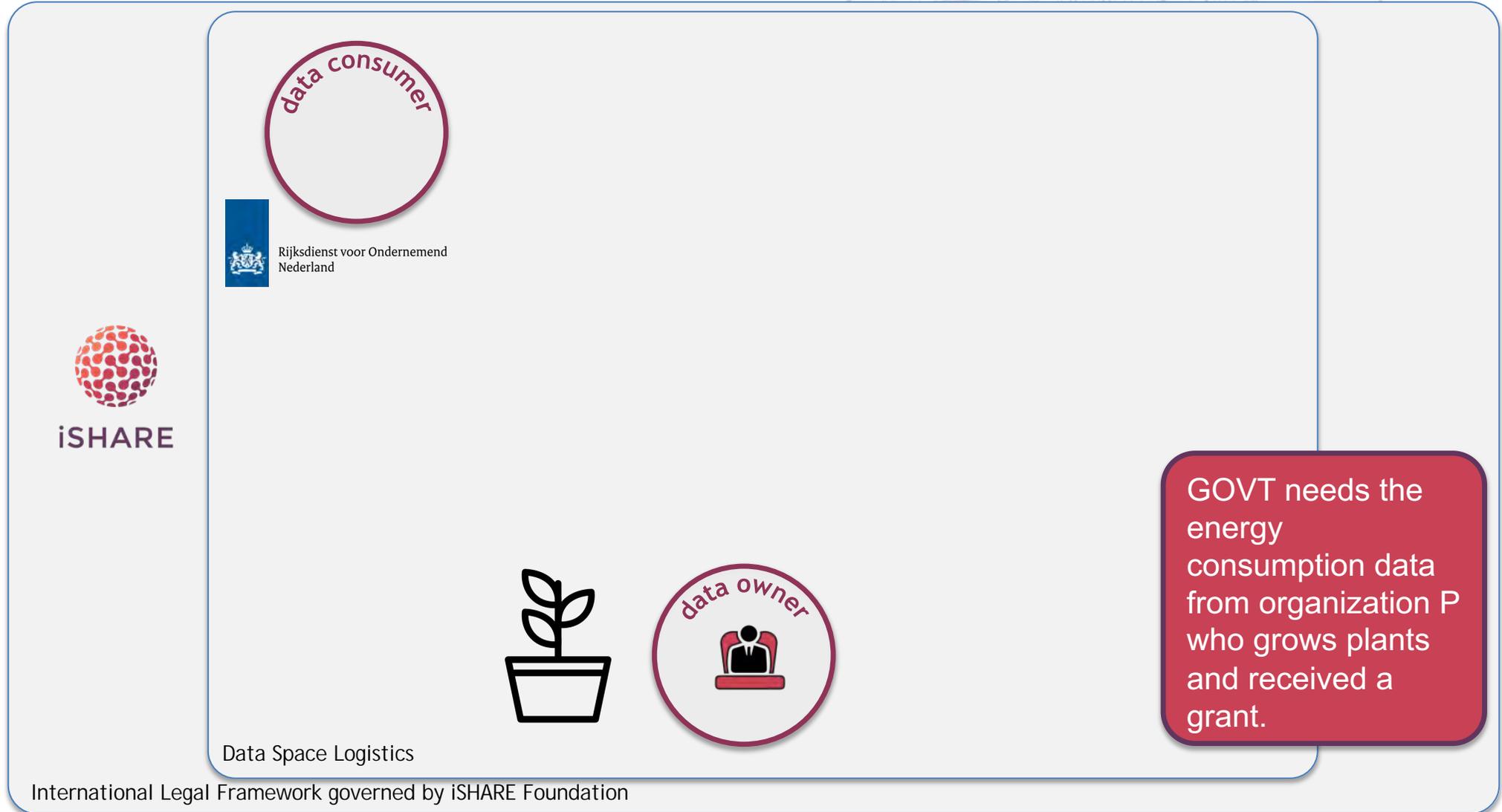




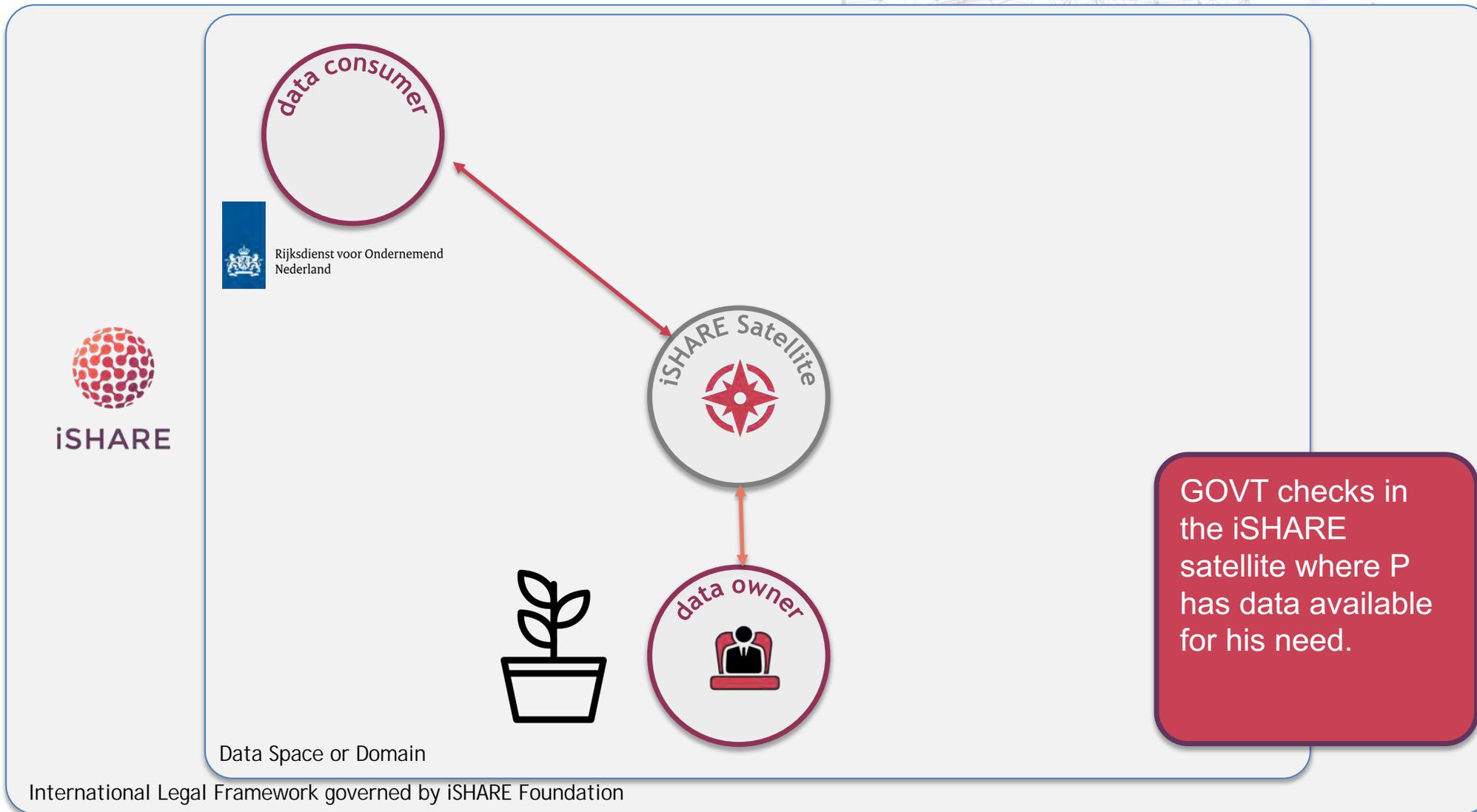
Reality example : Climate Agreement Reporting



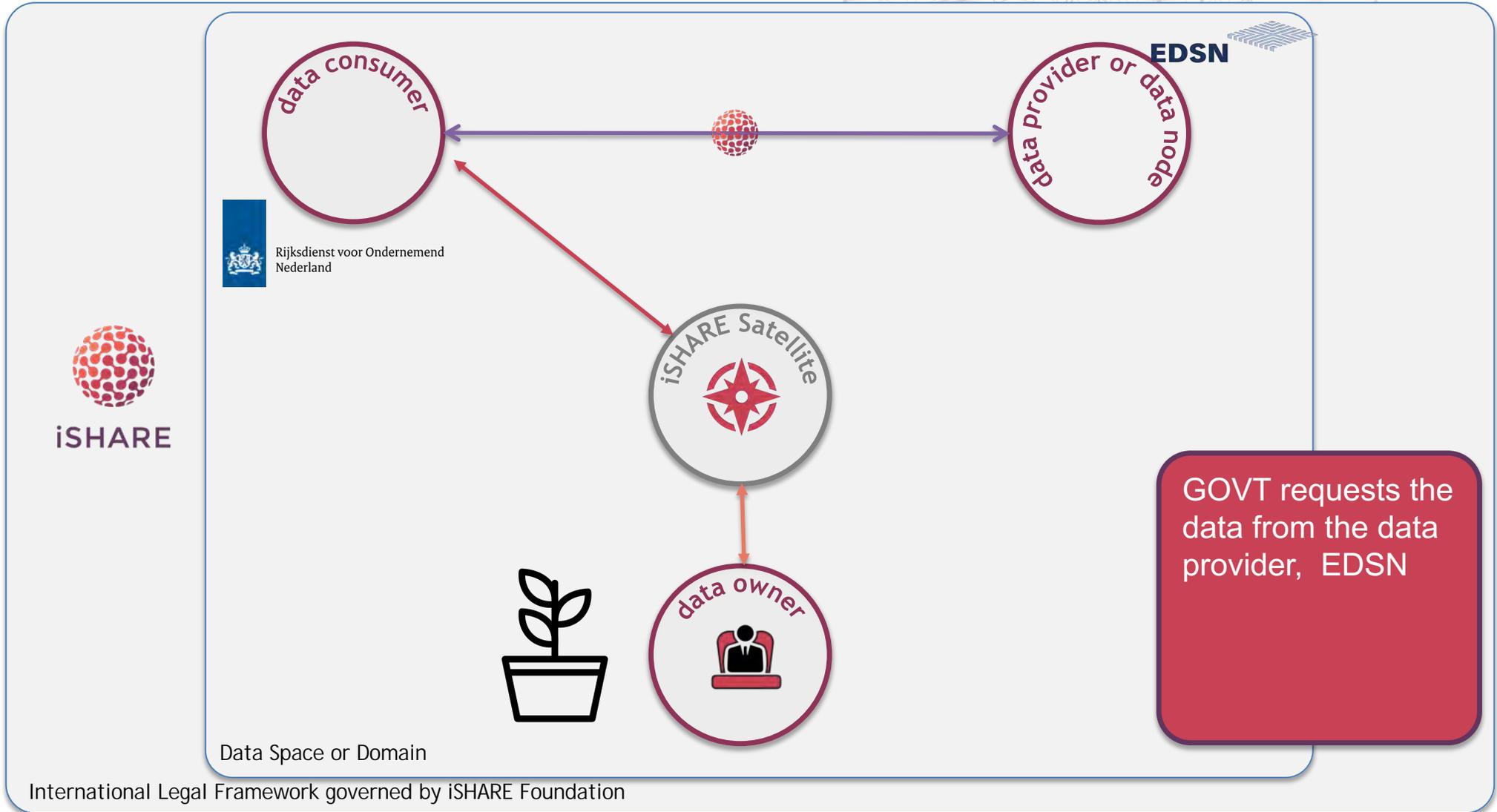
iSHARE



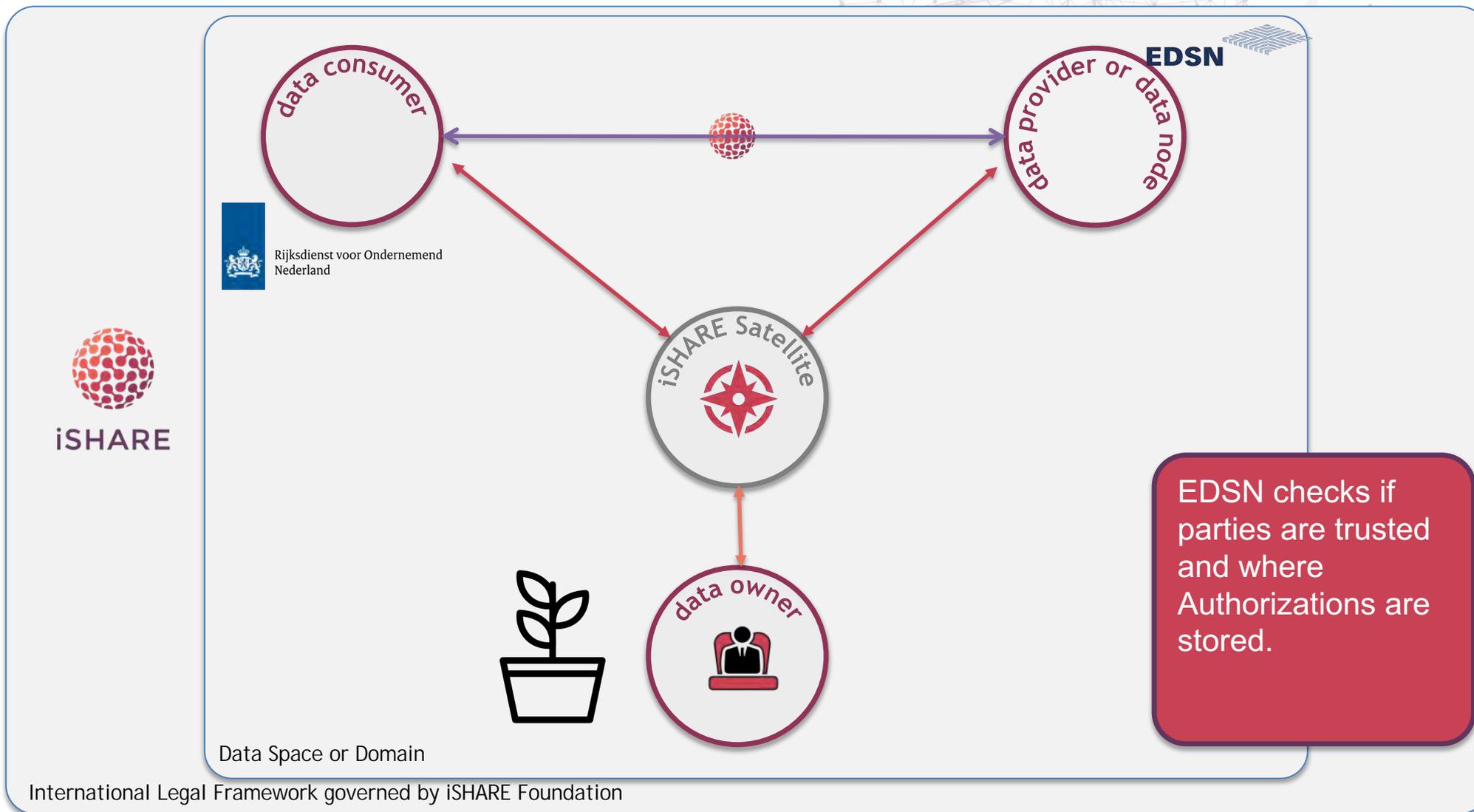
Reality example : Climate Agreement Reporting



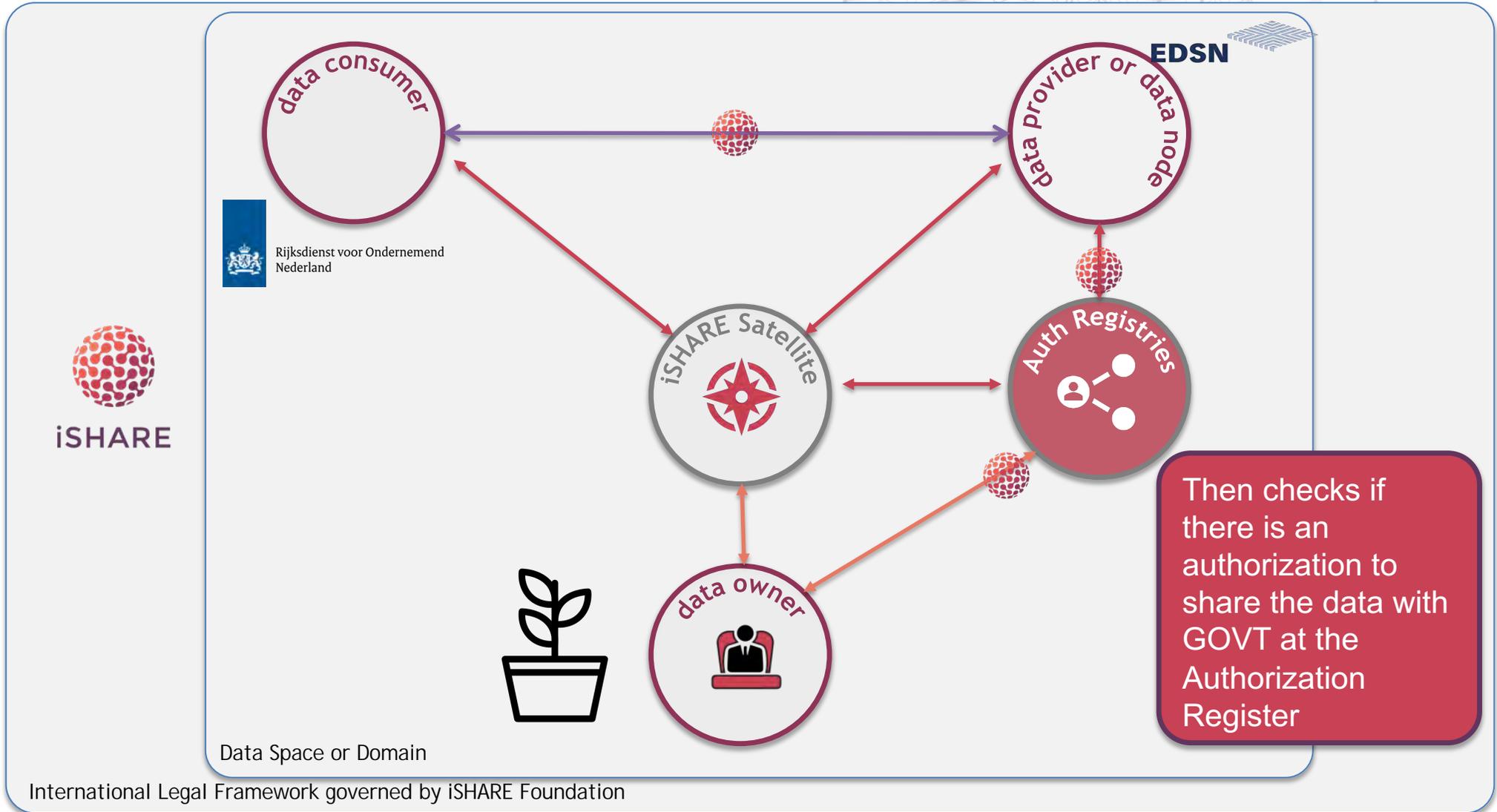
Reality example : Climate Agreement Reporting



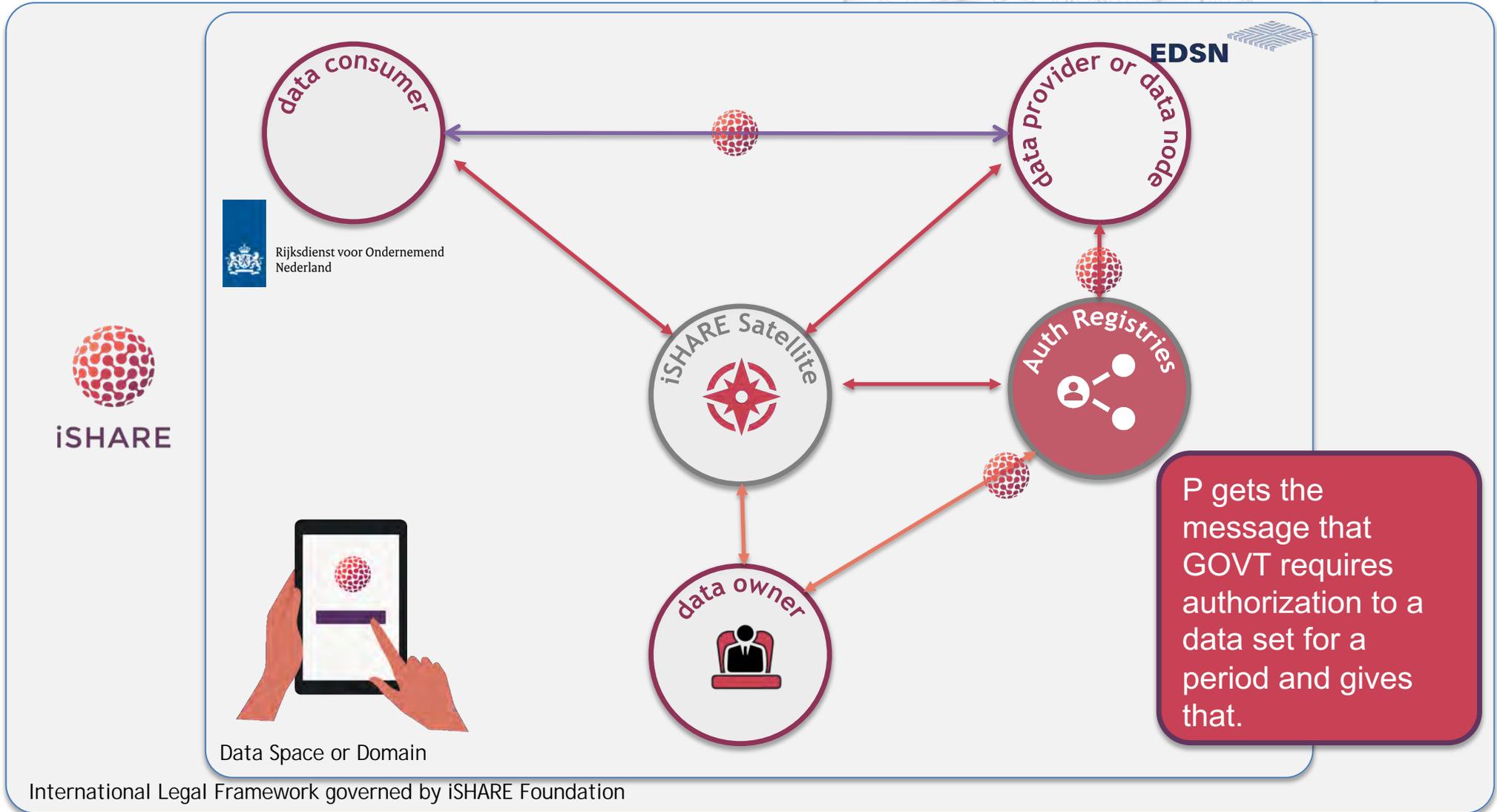
Reality example : Climate Agreement Reporting



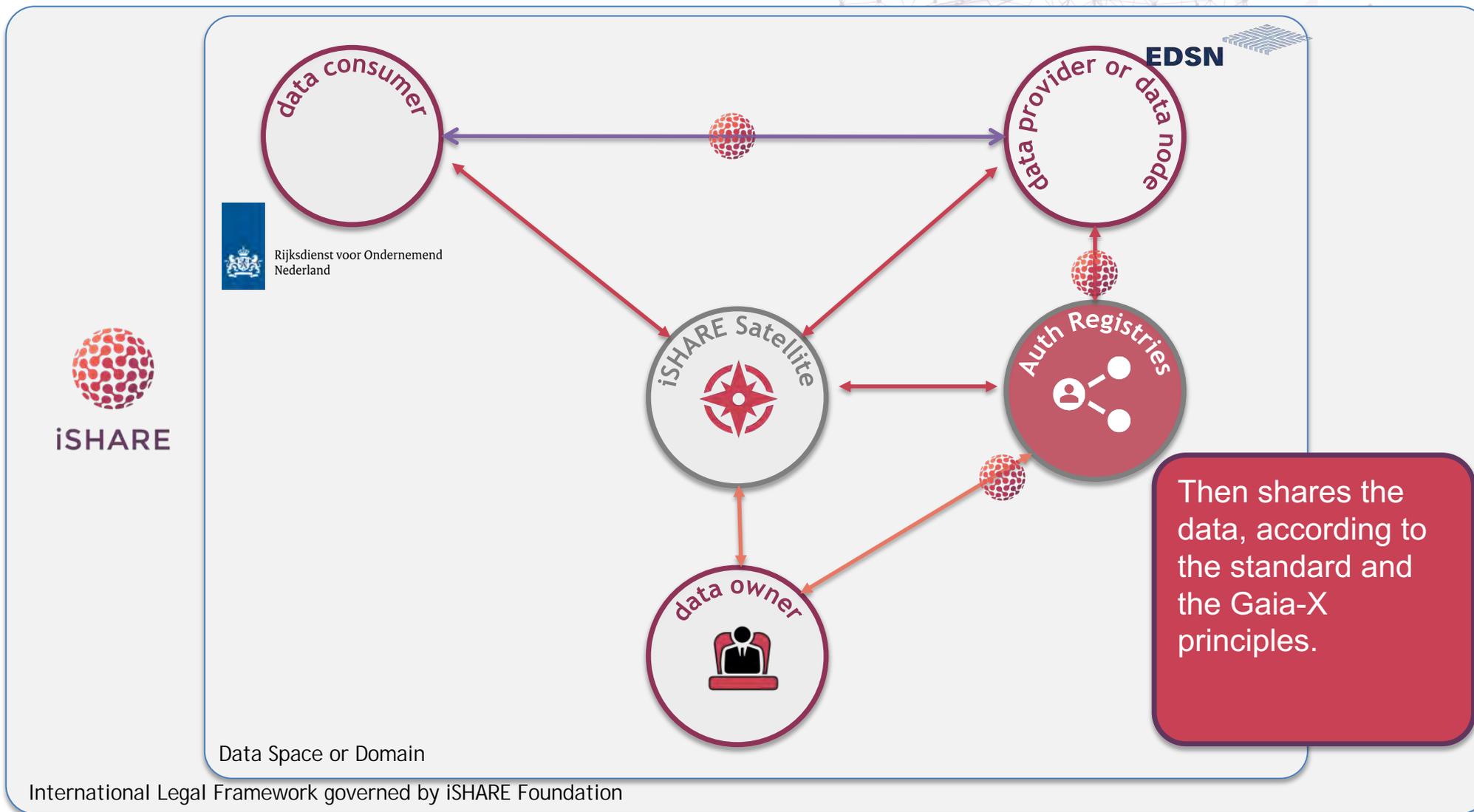
Reality example : Climate Agreement Reporting



Reality example : Climate Agreement Reporting



Reality example : Climate Agreement Reporting



Use case success factors to start the Ag dataspace



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Start with **existing** confidential business data of **many organizations** with a **launching data consumer**

Start with **simple data services** (like max 10 fields in a single service) with a **clear definition**, with **impactful use**.

Build on the iSHARE **trust foundation from the start**, instead of waiting till the end.

Don't reinvent the wheel, but **utilize open-source components** (i4Trust - FIWARE & iSHARE)

● Accelerating dataspaces in Europe



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COMMUNITY

OPEN CALL

WORKING GROUP



About

DIHs

Experiments

Media ▾

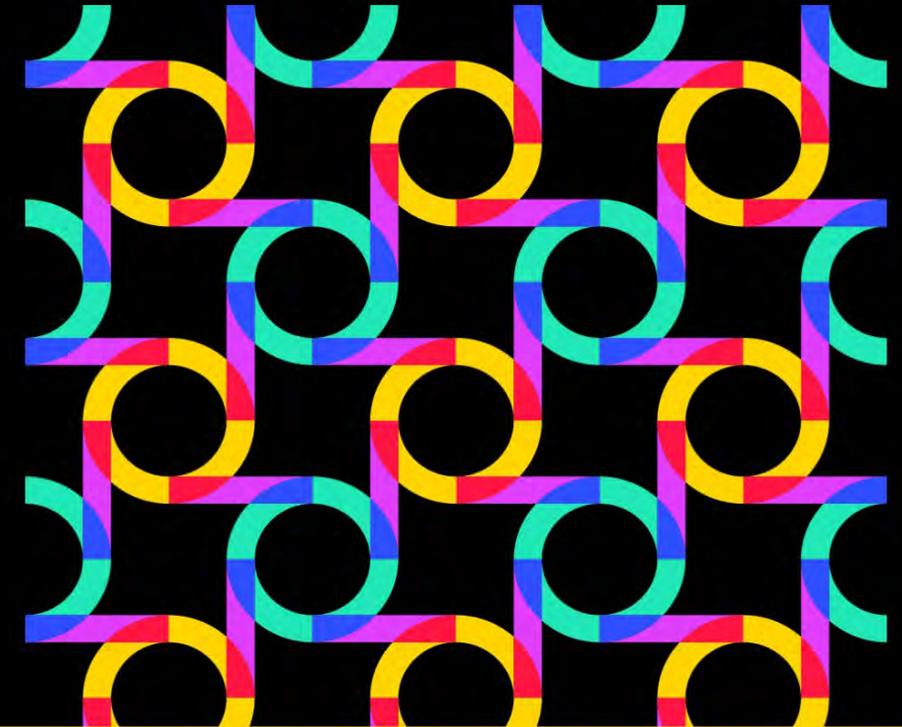
Resources ▾

Data Spaces for effective and trusted data sharing

A collaborative initiative boosting the development of innovative services around new data value chains in multiple sectors

[Learn more about i4Trust](#) ↓

[Apply to the i4Trust 2nd Open Call](#) ↓



[Apply to the i4Trust 2nd Open Call](#)

[Submit your experiment](#)



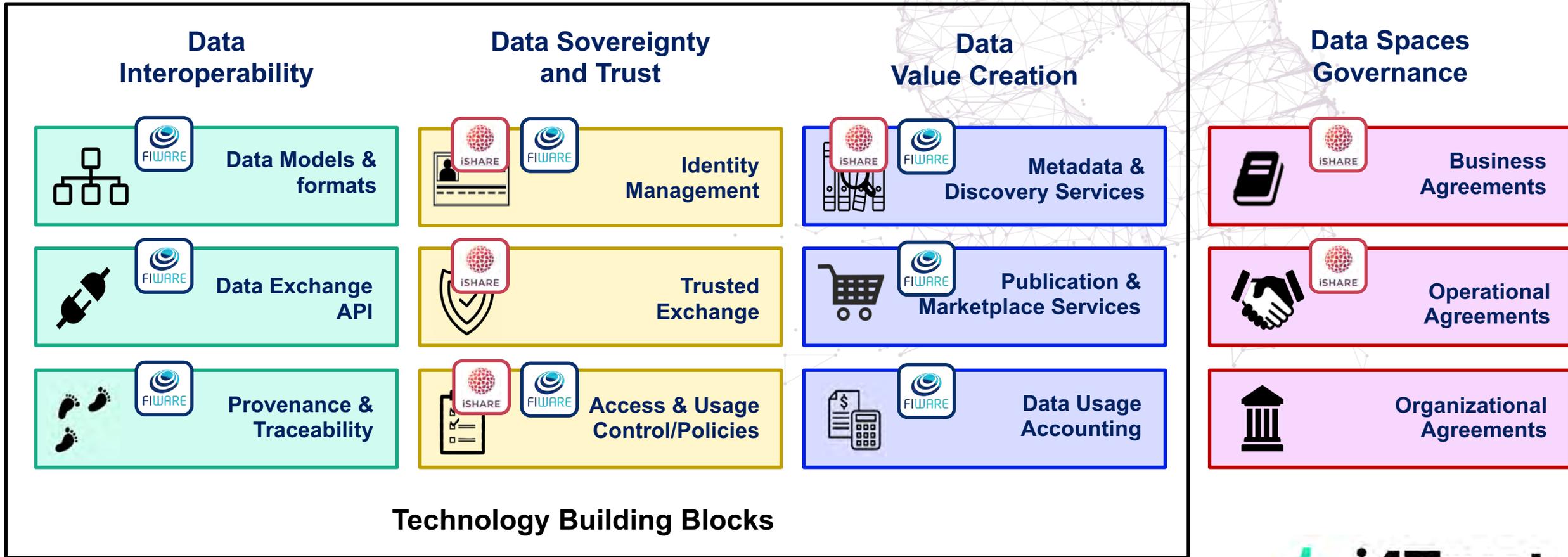


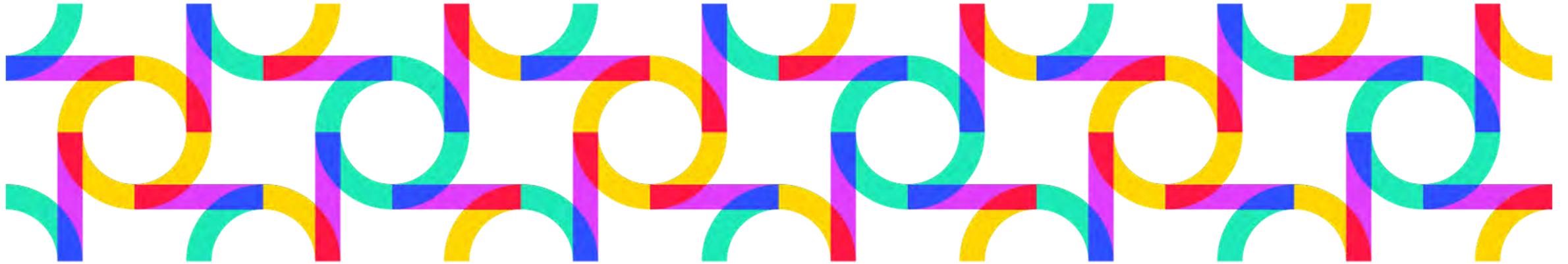
Ready to use building blocks for Data Spaces

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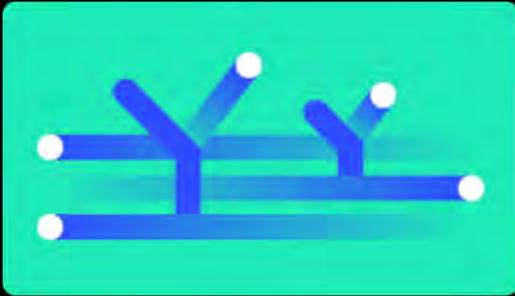




We take you by the hand in i4Trust.org

- **9 month customized** mentoring programme, which include:
 - Experiments **implementation**
 - **Mentoring support** for workforce re/up-skilling
 - Support on **legal, operational, technical and business**
 - Support on **i4Trust technology framework**
 - **Financial support.** Bottom-Up Experiments will be granted with a lump sum that will range in between €72,000.00 to €120,000.00

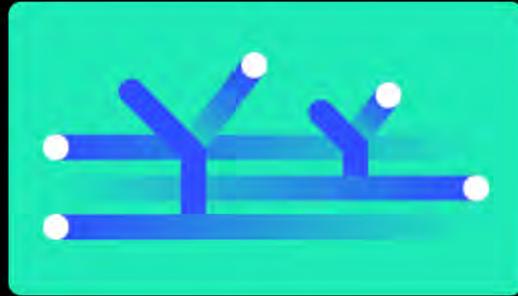
Current projects* in Agri



SMART AGRIFOOD

Agri4Trust

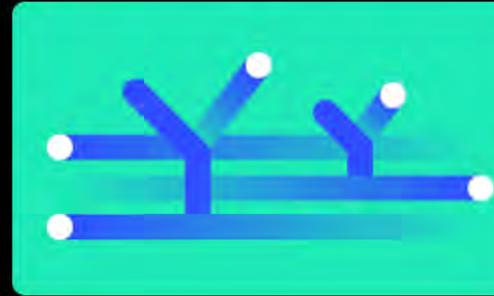
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SMART AGRIFOOD

Agrimed

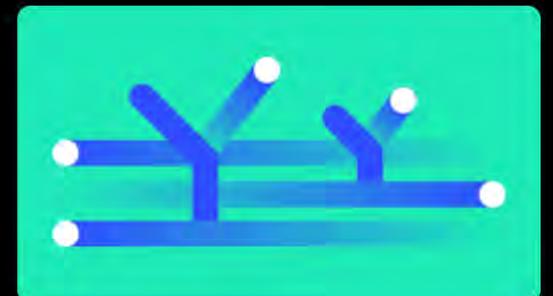
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SMART AGRIFOOD

AgroTrust

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SMART AGRIFOOD

eV2W

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* from i4Trust first open call

● i4Trust Cross Valuechain Bootcamp



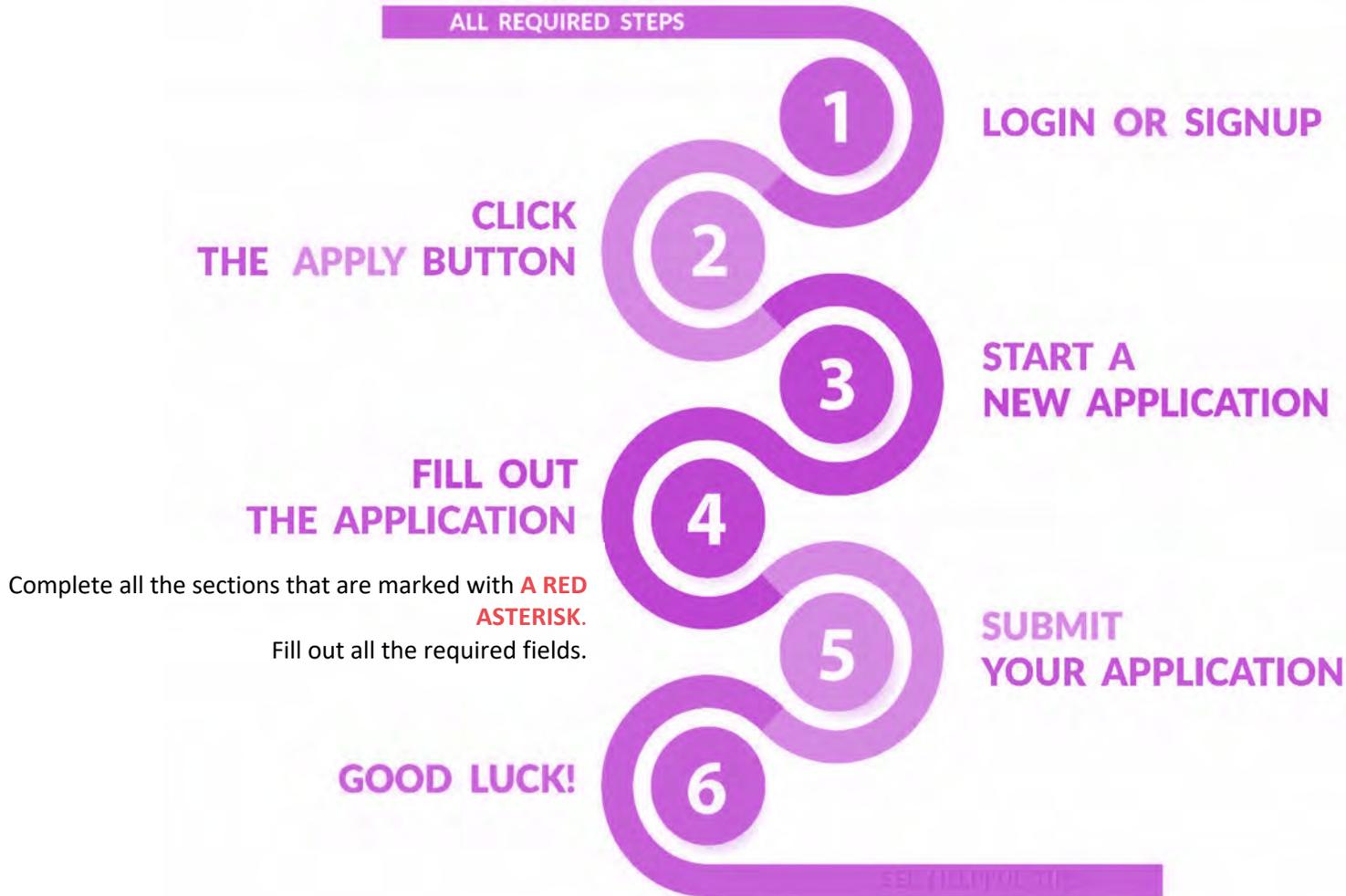
- Join us for i4Trust Cross Valuechain Bootcamp on **28 – 30 June**
- Opportunity to meet with all i4Trust projects
 - Find synergies with them in terms of using their solution and **join the first dataspace in making**
 - Collaborate with them for making a cross valuechain solution
 - Explore future project possibilities together
 - Explore opportunities to jointly apply for i4Trust 2nd open call
 - ... and many more
- Register now - <https://www.airmeet.com/e/dd513fb0-e742-11ec-b1b2-394b94cc9521>

A blue banner for the i4Trust Cross Value Chain Bootcamp. On the left, there is a cluster of white icons representing various concepts: a lightbulb, a hand pointing, a globe, a person thinking, a laptop, a smartphone, a gear, a star, a person, a pencil, and a document. On the right, the text reads: "i4Trust" with a white arrow pointing left, "Online Event" in a white rounded rectangle, "Cross Value Chain Bootcamp" in large white font, and "28, 29 and 30 June" in yellow font.

How to apply?

<https://i4trust-open-call.fundingbox.com/>

From **May 4, 2022**
To **September 12, 2022**



Support:

[i4Trust Community Helpdesk:](https://spaces.fundingbox.com/spaces/i4trust-open-call-helpdesk)

<https://spaces.fundingbox.com/spaces/i4trust-open-call-helpdesk>

By email:

i4trust.helpdesk@fundingbox.com

Who can apply?

- Bottom-Up Experiments Consortia

i4Trust Bottom-Up Experiments have to be proposed by a consortium, including, at least:

- **3 SMEs or slightly bigger companies**
- **1 DIH***

Criteria/Legal Status	SME	Slightly Bigger
Headcount in Annual Work Unit (AWU)	less than 250	less than 500
Annual turnover	less or equal to 50 million EUR OR annual balance sheet total less or equal to 43 million €.	less or equal to 100 million EUR OR annual balance sheet total less or equal to 86 million €.

* Included as fully operational in the S3 catalogue when signing the SGA
<https://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-catalogue>



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● Get in touch for more details

iSHARE.eu

And via this to get to the portals for your key interest

- Developers (postman collections etc)
<https://dev.ishare.eu>
<https://github.com/iSHAREScheme>
- Legal and scheme details
<https://ishareworks.atlassian.net>
- Community forum
<https://forum.ishare.eu>



Or by reaching out to our team:

- Gerard van der Hoeven
Director

gerard@ishare.eu

+31651523935



- Rajiv Rajani
CTO

rajiv@ishare.eu

+31617962003



Lets accelerate ag data spaces .. together

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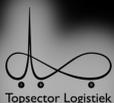
iSHARE has received funding from the Dutch Topsector Logistics, as part of the Ministry of Infrastructure and Water.



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