

Data Spaces

The future of data sharing in the agrifood sector

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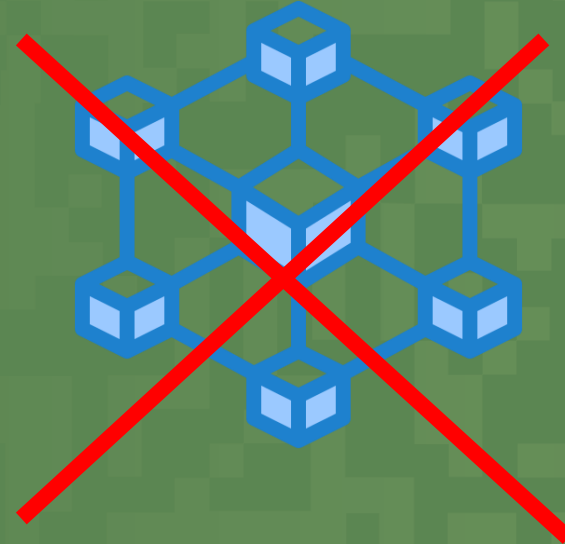
What a dataspace is not...



...not a database
...not a data warehouse



...not a data lake



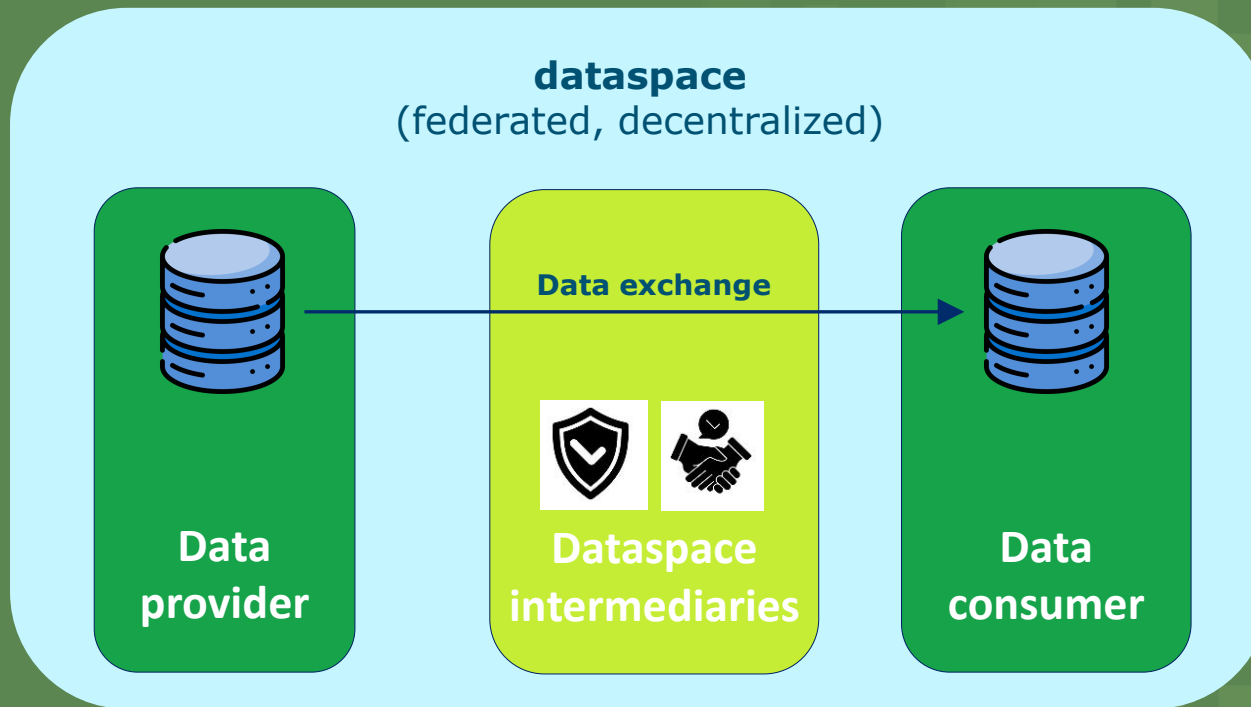
...not a blockchain



...not something
from space

What a dataspace is...

An **Interoperable framework**, based on **common governance principles, standards, practices and enabling services**, that enables **trusted data transactions** between participants (DSSC)



What are Common European data spaces?

Part of a bigger vision: a European Single Market for Data

Horizontal Data Legislation

Data Act

Data Governance Act

Open Data Directive

Free Flow of Data Regulation

GDPR

...

Common European Data Spaces



Health



Manufact.



Agriculture



Finance



Mobility



Green Deal



Energy



Public Admin.



Skills



R&I
(EOSC)



Tourism



Cultural heritage



Media



Language

European Data Innovation Board

Data Spaces Support Centre (DSSC)

Why Common European data spaces?



“

“Our society is generating a huge wave of industrial and public data, which will transform the way we produce, consume and live.

I want European businesses and our many SMEs to access this data and create value for Europeans – including by developing Artificial Intelligence applications.”

*Thierry Breton
Commissioner for the Internal Market
(2019-2024)*



Data sharing benefits



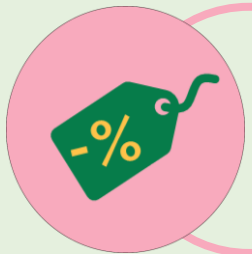
KNOWLEDGE: Data sharing can provide greater knowledge and better insights, leading to more informed decisions and actions.



MARKET SHARE: Data sharing can ensure greater market share by offering updated and better products, better-tuned services, tailored advice, etc.



EXTRA SERVICES: Data sharing can lead to extra services which can take a product or service to the next level and thus generate more revenue.



DISCOUNT: Data sharing can lead to product optimisation and possibly a price increase. In this case data can be traded for discounts on the optimized products.

MONEY:

Data sharing can provide monetary perks.



ADMINISTRATIVE SIMPLIFICATION:

Data sharing can simplify administration and reduce retyping by allowing applications to optimally communicate with each other.

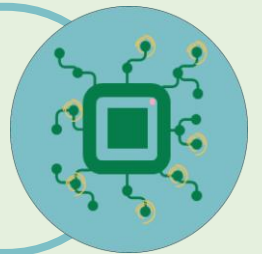


ADVICE:

Sharing the most up-to-date and correct data can provide tailor-made advice.



TECHNOLOGY: Data sharing can boost the development of new technologies in the sector, which in turn can contribute to various aspects such as sustainability.



1

DATAMARKET

- [ConnectShop](#)
- Make your data available for the whole sector

1

'OPEN' PLATFORM

- Safe, transparent and controlled transport of your data

1

DASHBOARD

- 100 % control and respect for the farmer
- You decide when you share your data, with whom and why

1

CONTRACT

- With clear rules in accordance with the legislation and the Code of Conduct on agricultural data sharing



ILVO

How does it work?

ConnectShop

<https://djustconnect.be/en/ConnectShop>

ConnectShop

In this ConnectShop you will find an overview of the available data that can be exchanged securely and in a controlled manner via DjustConnect.

DjustConnect's ambition is to provide the most complete range of agri-food data possible to all supply chain partners.

Still **haven't found the right data**? Please contact us. We will look at the options together.

Interested in **making your data findable** via the ConnectShop? Please contact us.

CONTACT

- ✓ One central point for all your data connections
- ✓ Your data accessible for the entire sector
- ✓ Ask permission from farmer and data provider with one click
- ✓ Safe, efficient and transparent data exchange
- ✓ 100% control and with respect for the farmer

CATTLE BREEDING

AGRICULTURE

POTATOES

DAIRY CATTLE



API Parcel information of Flemish farmers and horticulturists

Department of Agriculture and Fisheries - Flemish Government

This API provides access to certain parcel data of Flemish farmers and horticulturalists, as indicated and processed in the annual Gathering Application (parcel declaration).

[Read more](#)



API Harvesting data

AVR

This API is offered by AVR and gives access to the yield data measured during harvesting with an AVR harvester.

[Read more](#)



API Milk payment statement

Milcobel

This API gives Milcobel milk suppliers the opportunity to give permission to send their monthly milk payment statement to a third party.

[Read more](#)



API IKM certificate Flemish dairy farmers

IKM Flanders

This API is made available by IKM Flanders. It gives you an overview of the IKM certification of the Flemish dairy farmers linked to the correct PE number.

[Read more](#)



API Dairy Climate Scan - Carbon footprint dairy farm

Klimrek - ILVO - Boerenbond - VITO

This API gives access to the results of the Klimrek scan dairy, which is carried out at Flemish dairy farmers.

[Read more](#)



API WatchITgrow task cards

VITO

This API gives access to the integrated information about fields and crops in the form of task cards.

[Read more](#)



API Overview of available water analyses (DGZ)

DGZ Flanders

This API gives you an overview of the available water analyses performed by the Animal Health Flanders laboratory.

[Read more](#)



API Overview of Available Water Analyses (Inagro)

Inagro

This API gives you an overview of the available water analyses performed by Inagro's lab.

[Read more](#)



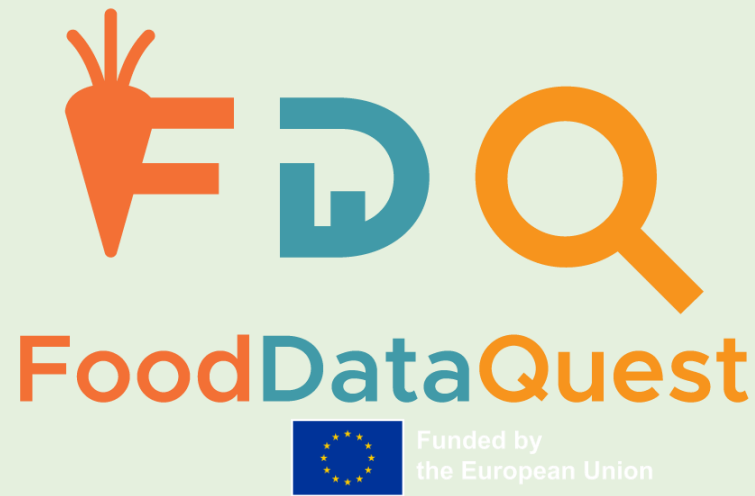
API Overview of available water analyses (Soil Research Service)

Soil Science Service of Belgium

This API gives you an overview of the available water analyses performed by the laboratory of the Soil Research Service of Belgium.

[Read more](#)

An example



Farm level



Circular feed parameters



PALAU



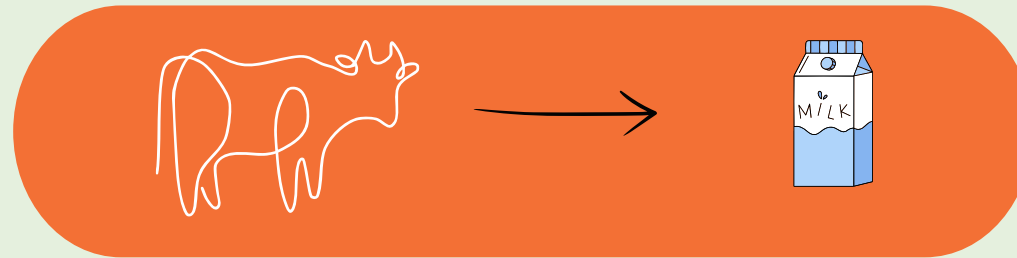
COLRUYT GROUP

ILVO

Sustainability scans



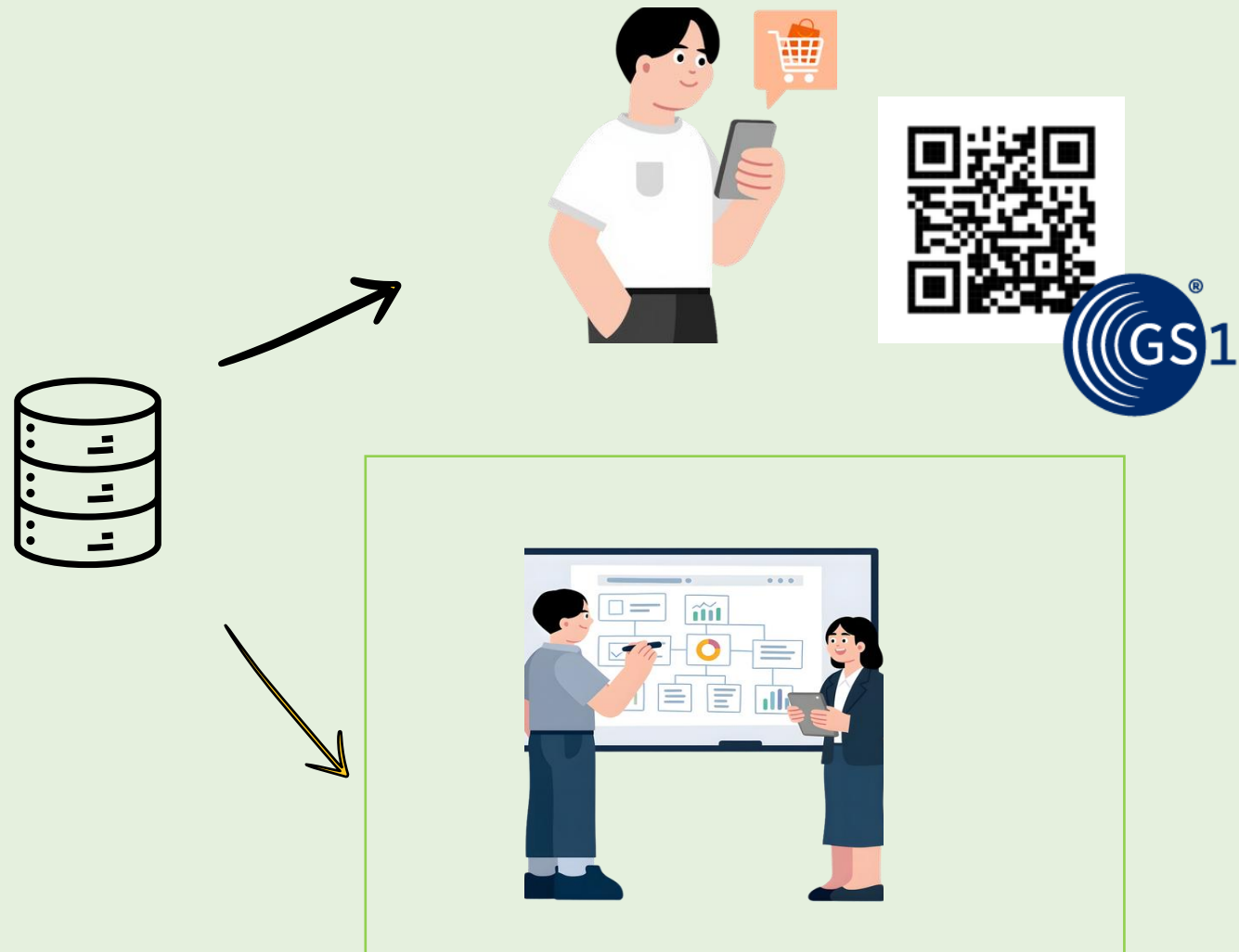
Health & nutrition



Batch level traceability

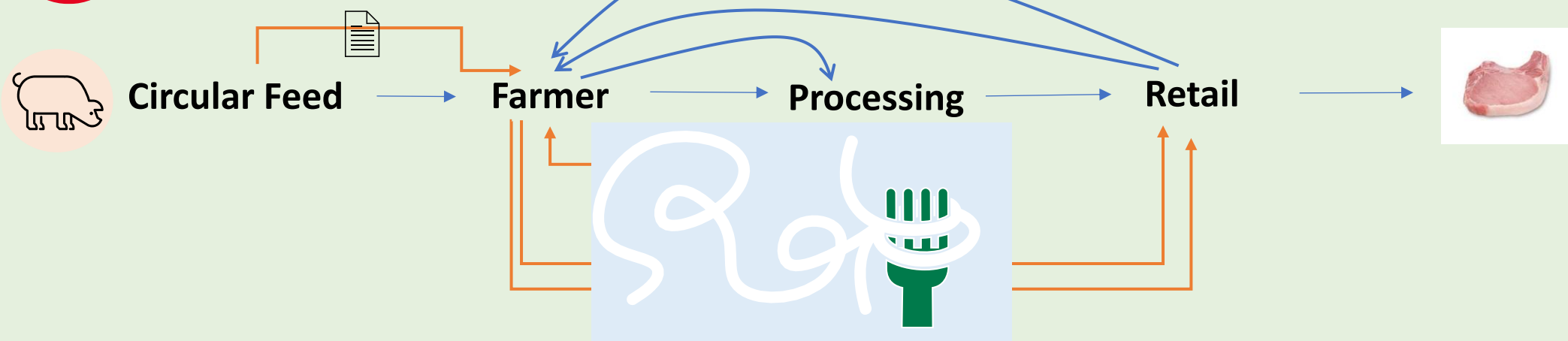
Animal welfare scans

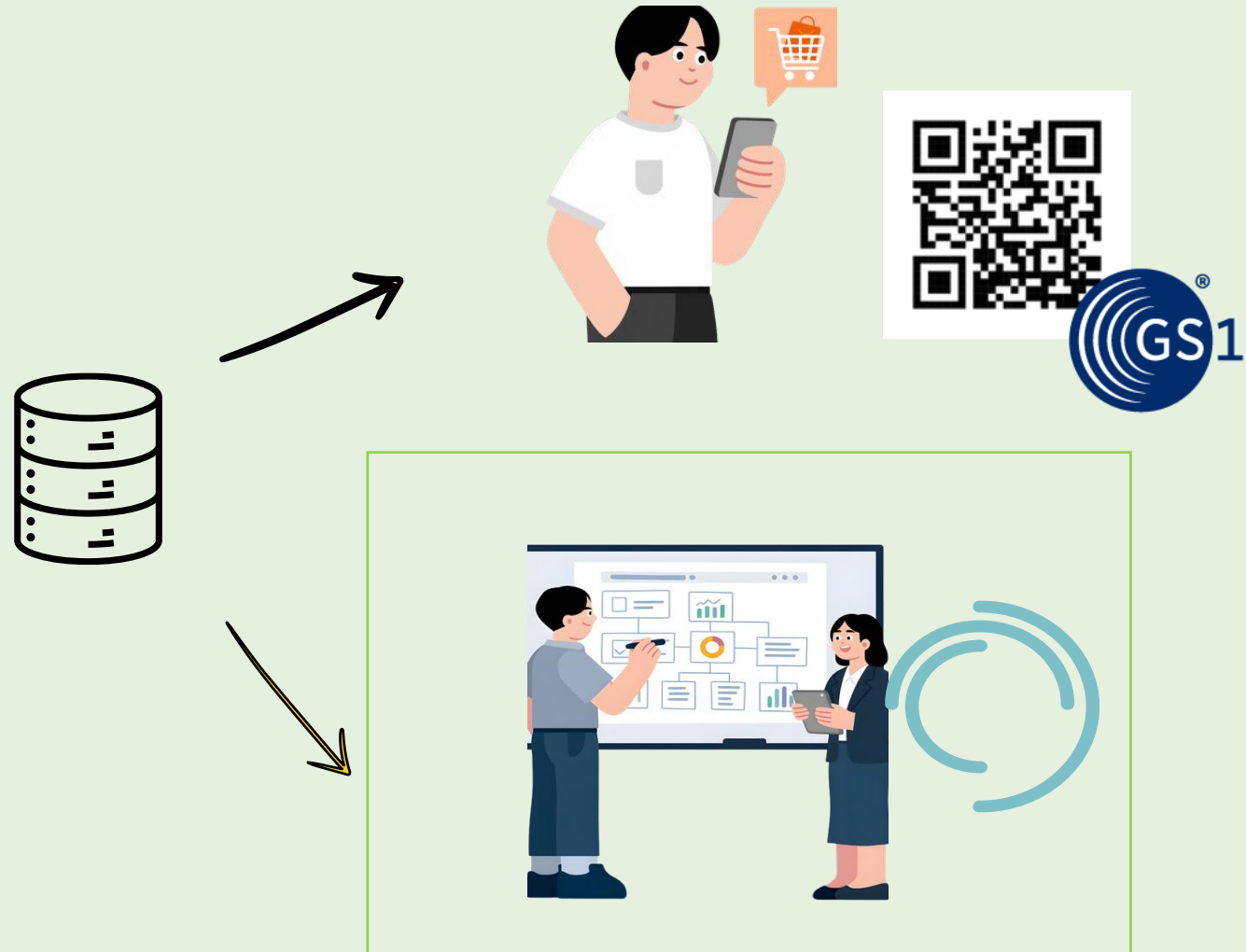


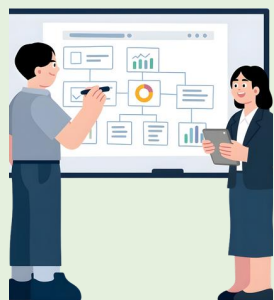
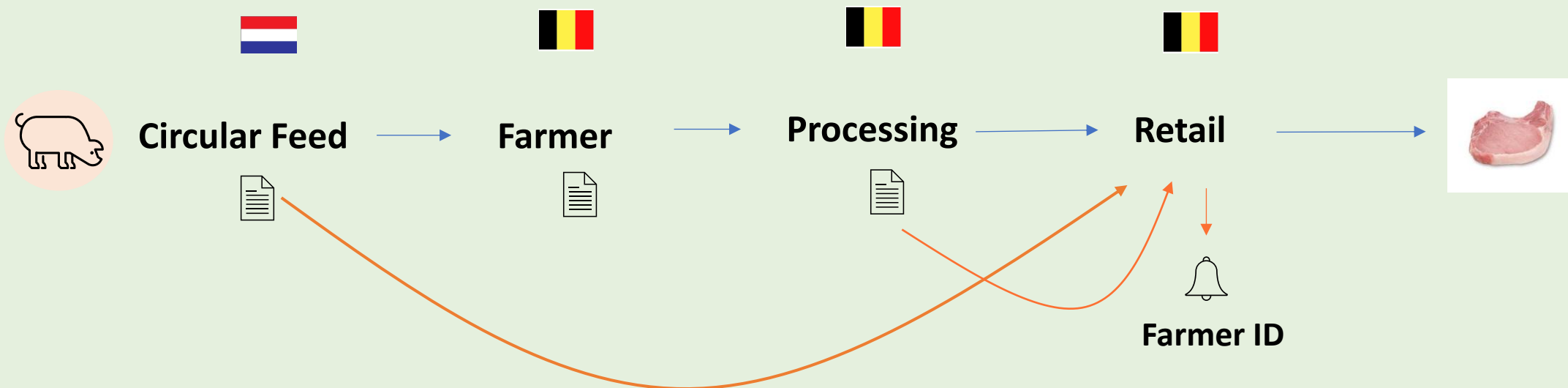




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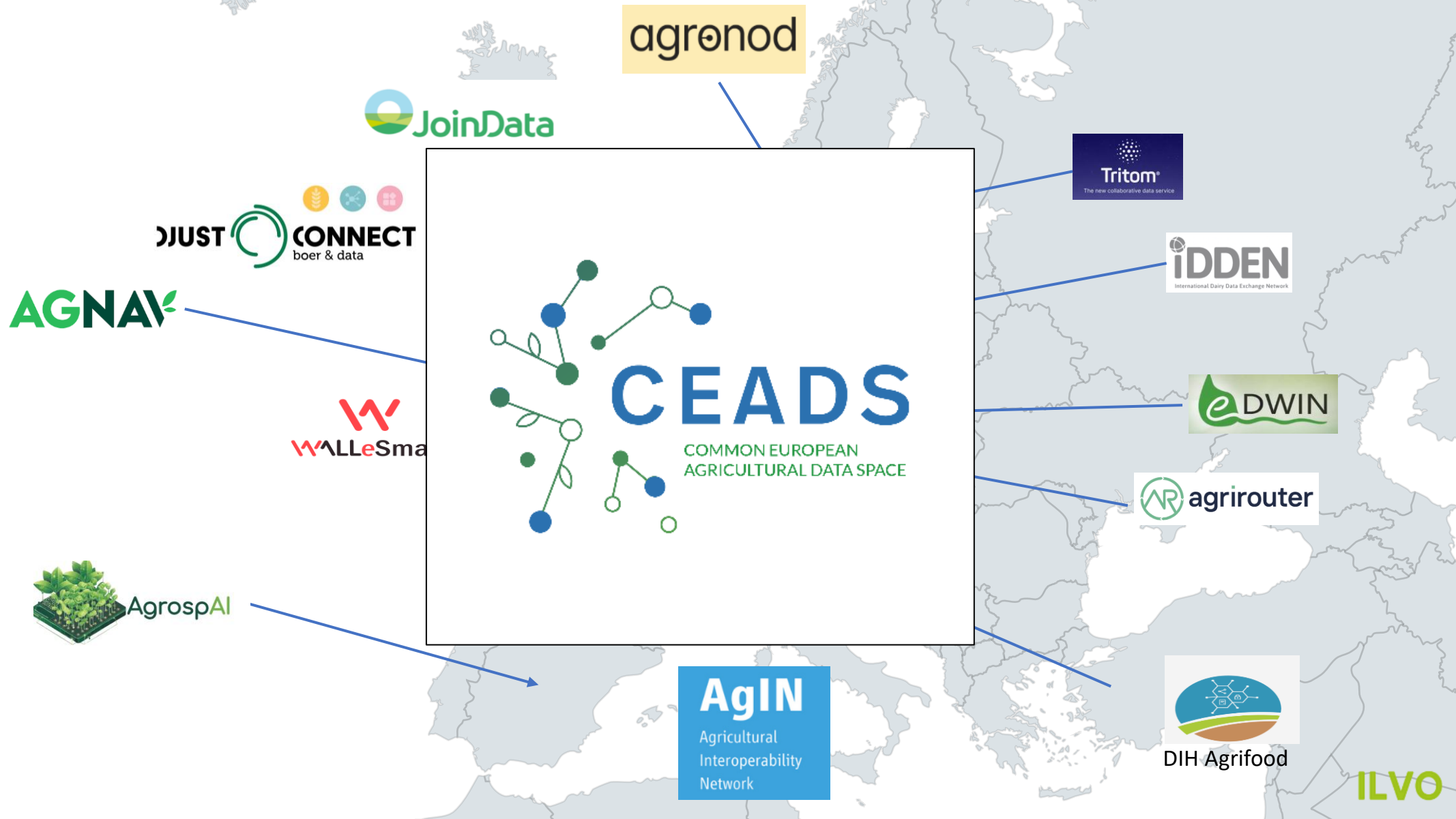






How to share the data?
What about ownership?
Consent?
Trust?

The data space for agriculture (CEADS)



The data space for agriculture (CEADS) is part of the 14 Common European Data Spaces





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