



Data landscape and opportunities

Stakeholder Meeting Data and AI in the Agrifood Sector
3/10/2025, Chania, Greece
Cor Verdouw, Wageningen University & Research, NL





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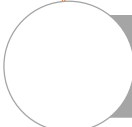
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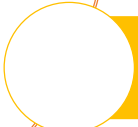
Agenda




Data sharing from a value chain perspective



Data landscape: highlights from our literature review



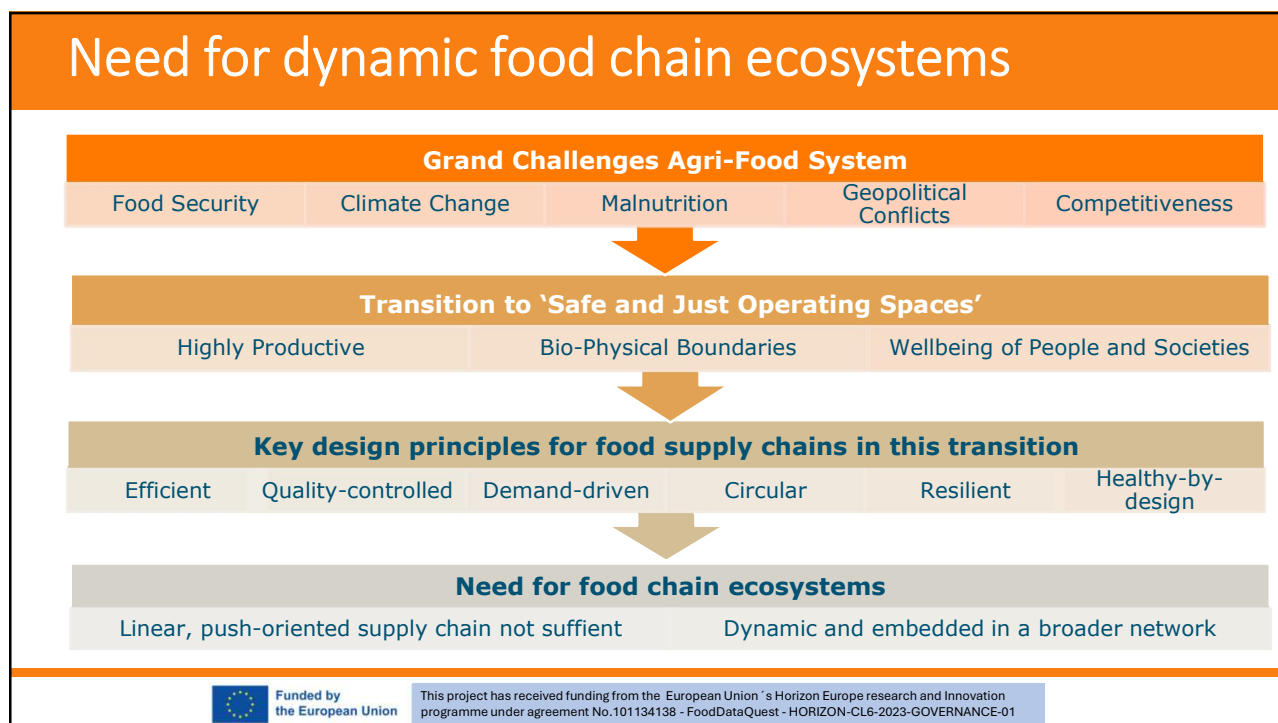
Opportunities ahead: data sharing in food chain ecosystems



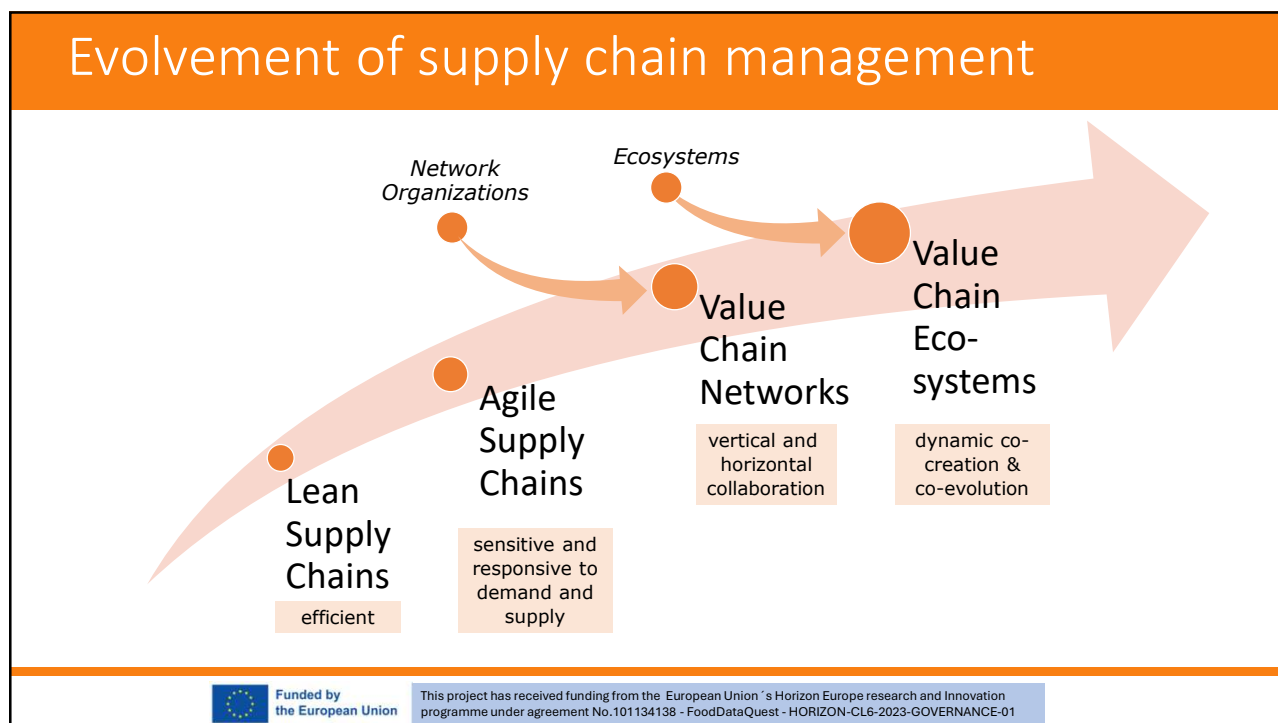
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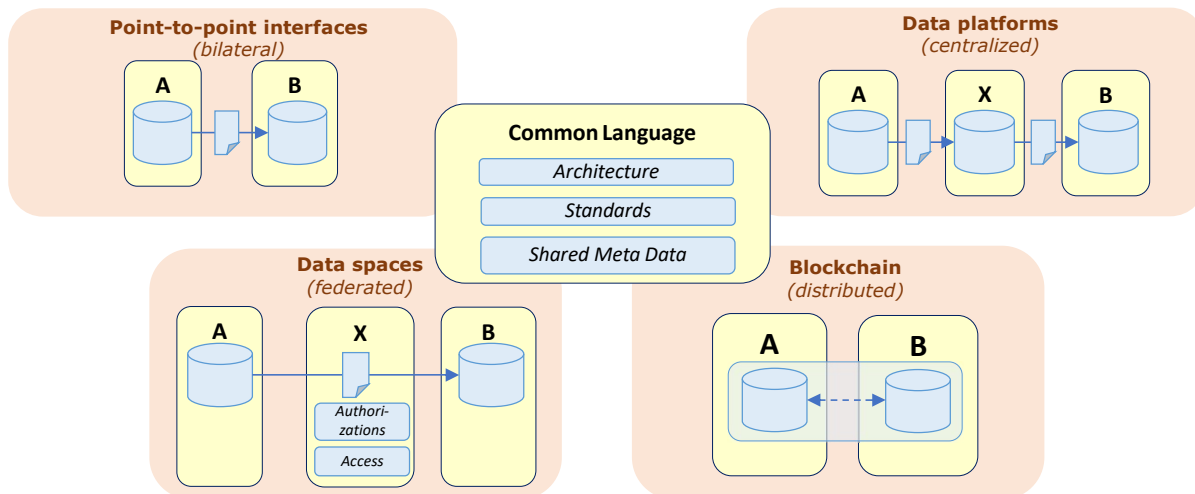


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Key data sharing approaches



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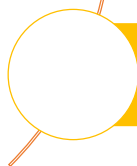
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Systematic literature review by FoodDataQuest

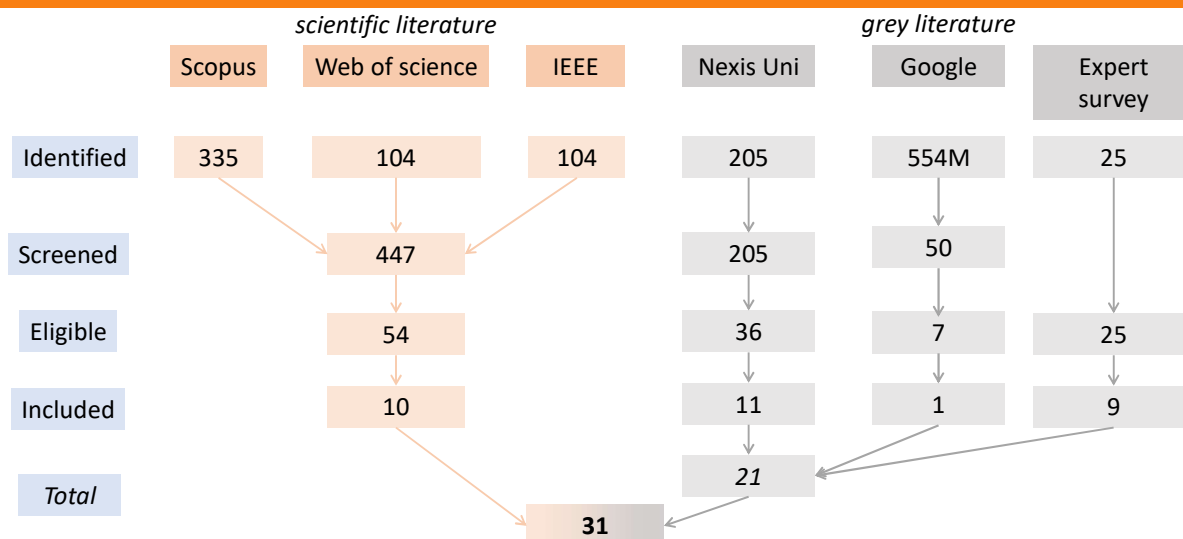
- D1.1 Data sharing initiatives in the agri-food supply chain: A scientific and grey literature review (public)
- Authors: Scarlett Wang, Dominique van Wonderen, Joep Tummers, Cor Verdouw (WUR)
- **Objective: to identify, categorize and map current practices and systems of private data sharing initiatives in the EU agri-food chain**



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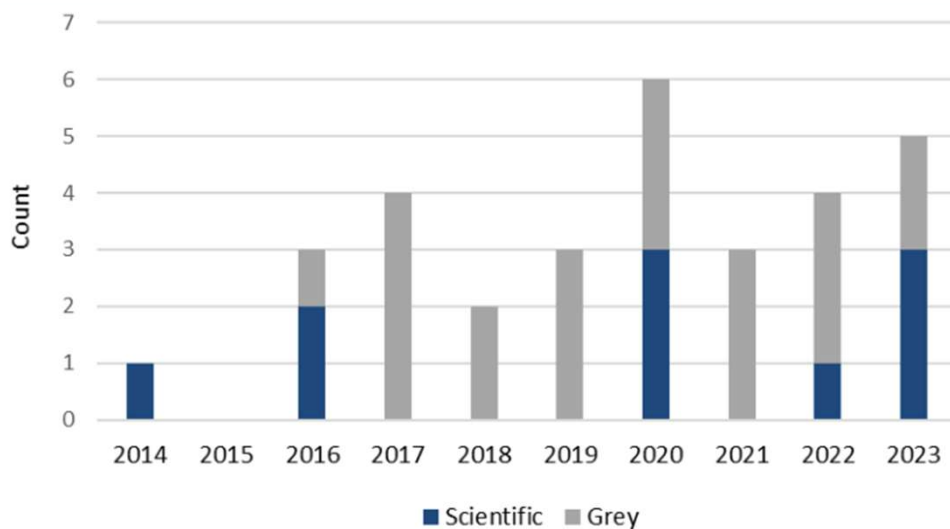
Selection of private Data Sharing Initiatives (DSI's)



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Results - Year-wise distribution of included initiatives



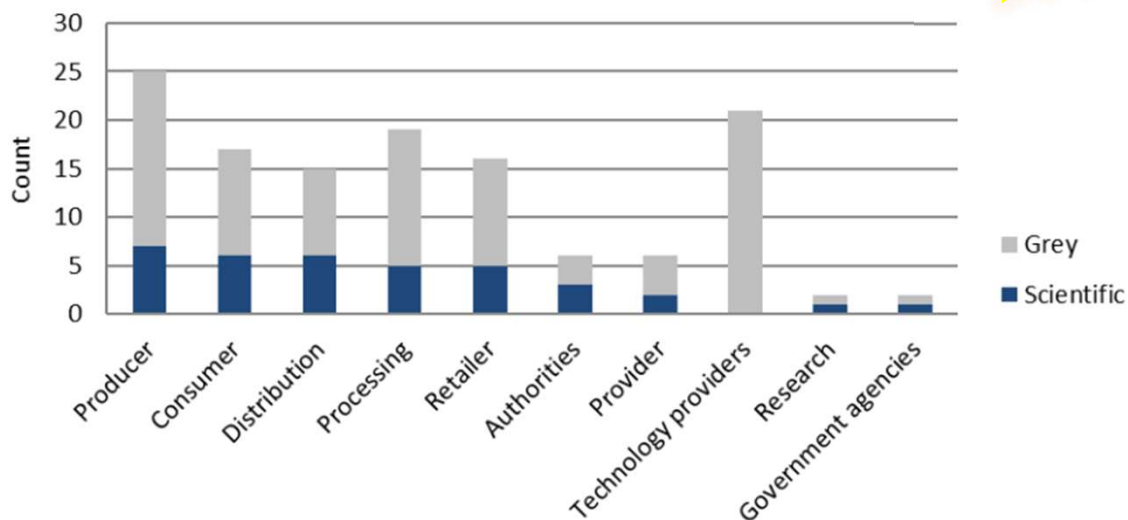
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Targeted part of supply chain

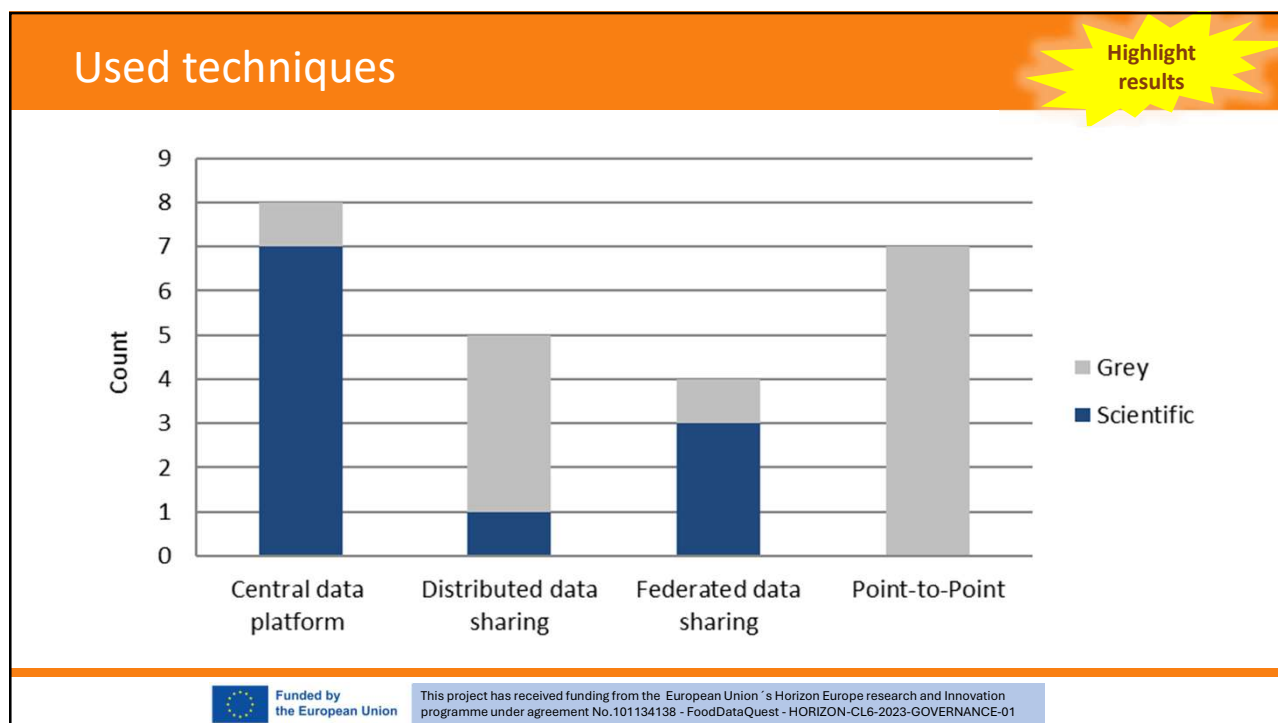
Highlight
results



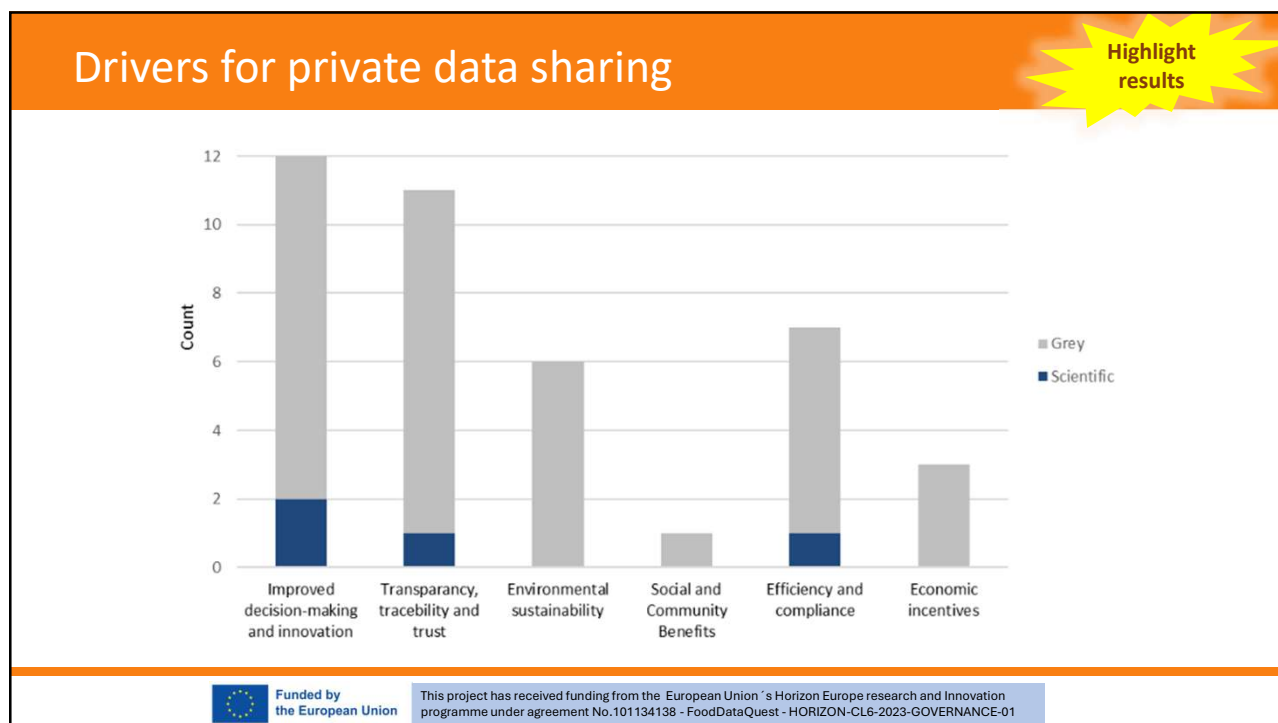
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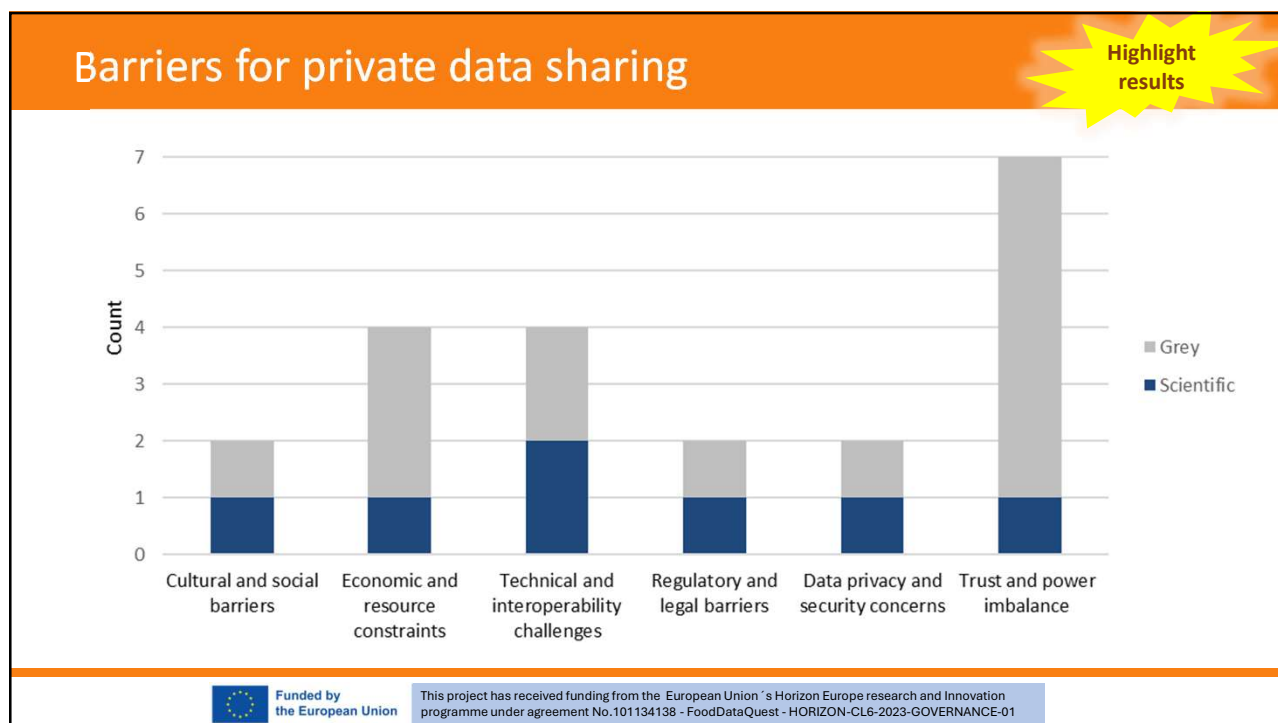
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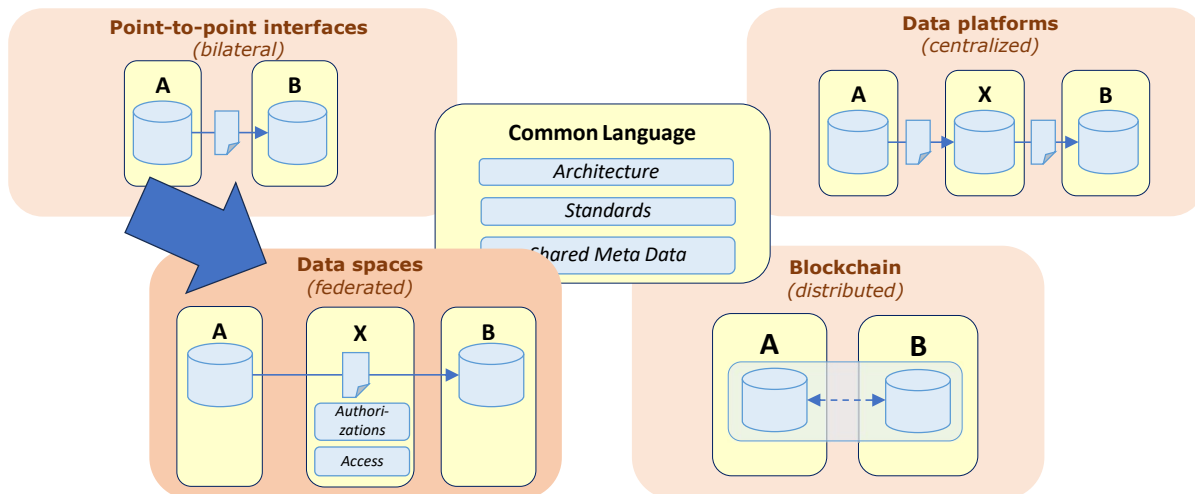


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Key data sharing approaches

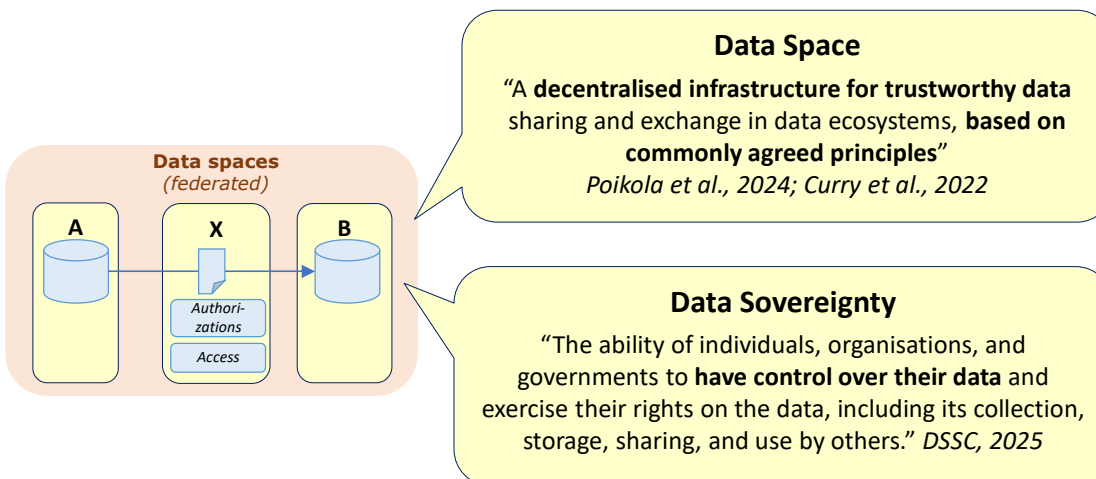


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What are data spaces?

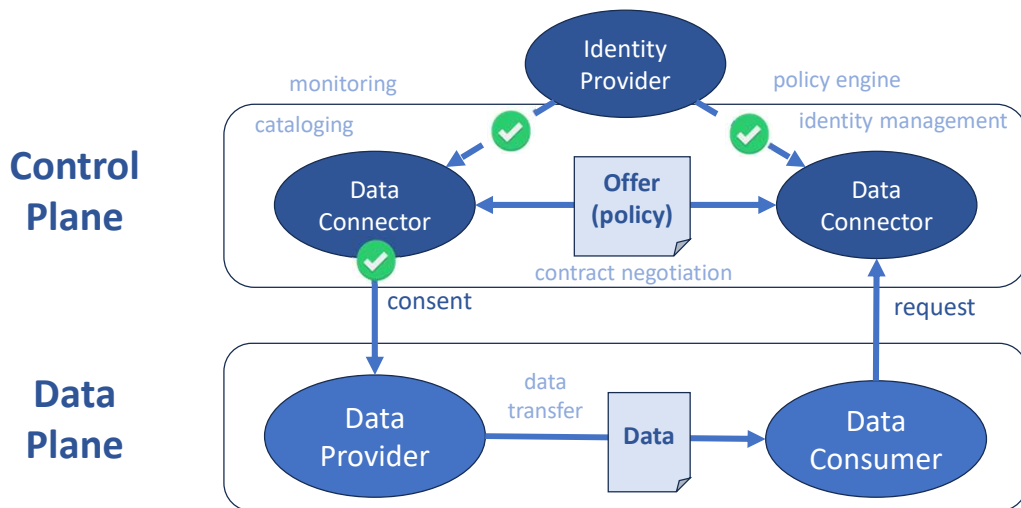


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Data spaces decouple control and data (simplified)

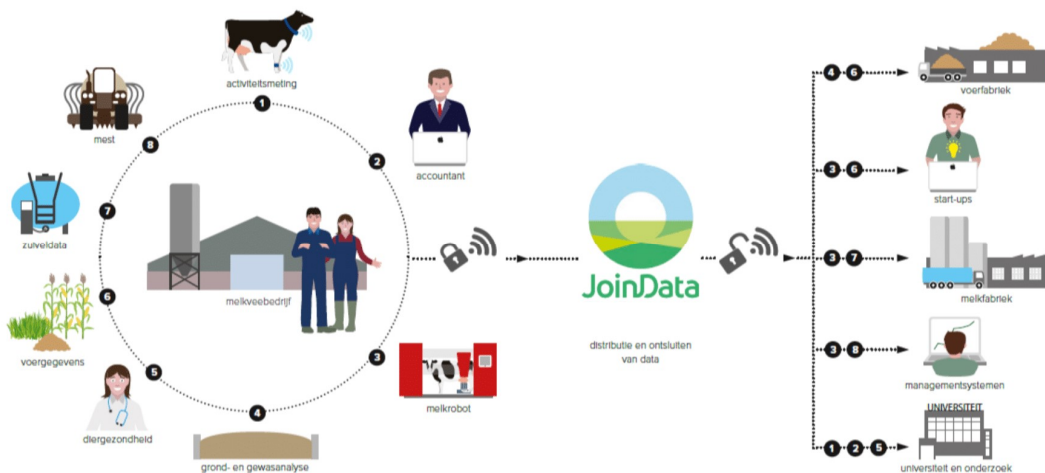
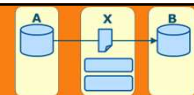


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Example data space – Join Data (NL)

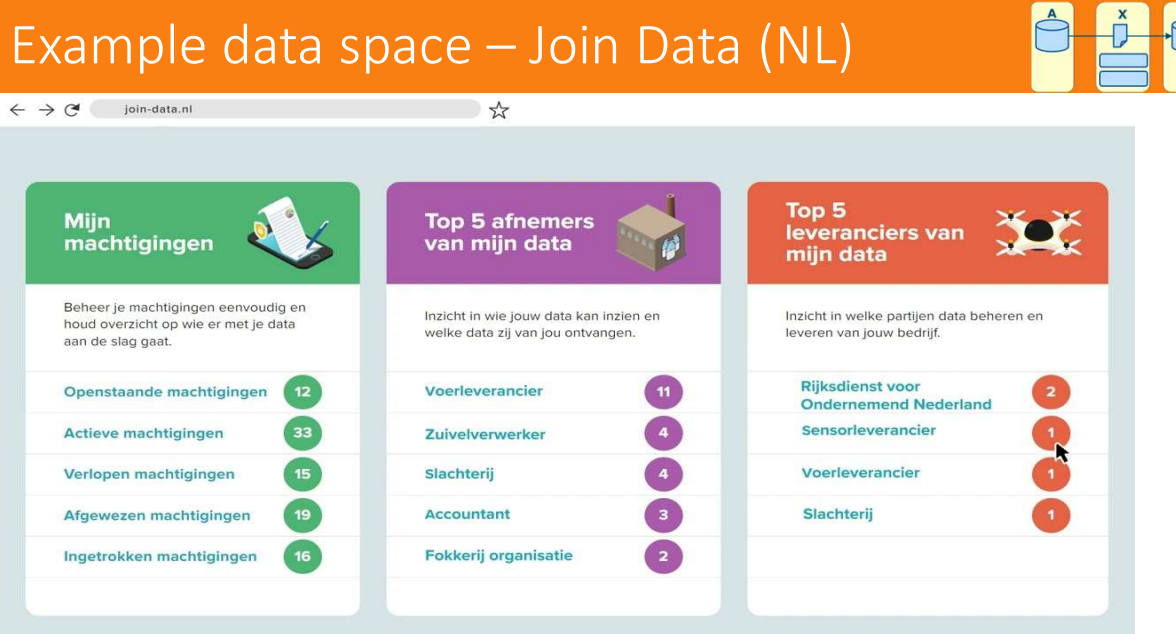


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Example data space – Join Data (NL)



Mijn machtigingen

Beheer je machtigingen eenvoudig en houd overzicht op wie er met je data aan de slag gaat.

Openstaande machtigingen	12
Actieve machtigingen	33
Verlopen machtigingen	15
Afgewezen machtigingen	19
Ingetrokken machtigingen	16

Top 5 afnemers van mijn data

Inzicht in wie jouw data kan inzien en welke data zij van jou ontvangen.

Voerleverancier	11
Zuivelverwerker	4
Slachterij	4
Accountant	3
Fokkerij organisatie	2

Top 5 leveranciers van mijn data

Inzicht in welke partijen data beheren en leveren van jouw bedrijf.

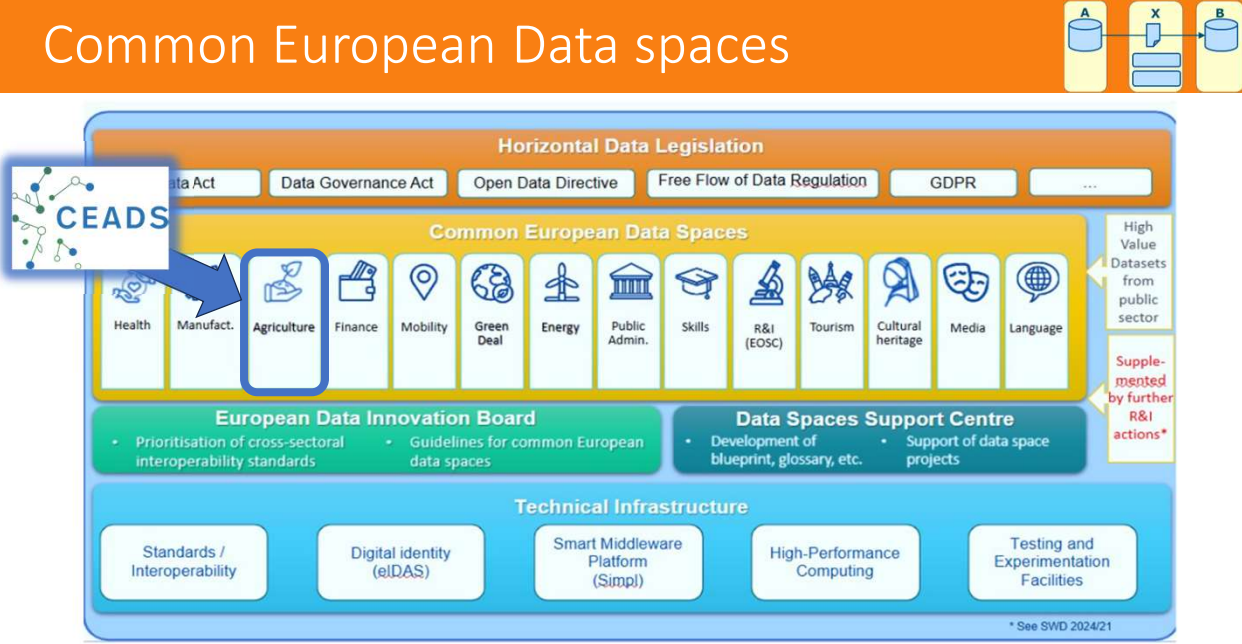
Rijksdienst voor Ondernemend Nederland	2
Sensorleverancier	1
Voerleverancier	1
Slachterij	1

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Common European Data spaces



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

- Prioritisation of cross-sectoral interoperability standards
- Guidelines for common European data spaces

Data Spaces Support Centre

- Development of blueprint, glossary, etc.
- Support of data space projects

Technical Infrastructure

Standards / Interoperability, Digital identity (eIDAS), Smart Middleware Platform (Simpl), High-Performance Computing, Testing and Experimentation Facilities

High Value Datasets from public sector

Supplemented by further R&I actions*

* See SWD 2024/21

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GA no: 101195295



COMMON EUROPEAN AGRICULTURAL DATA SPACE ([CEADS.EU](https://ceads.eu))

ESTABLISHING A SECURE, TRUSTED, AND
INTEROPERABLE ENVIRONMENT
TO FACILITATE DATA SHARING ACROSS THE
EUROPEAN AGRI-FOOD SECTOR

DIGITAL EUROPE | € 16 000 000 BUDGET

36 PARTNERS | 15 COUNTRIES | 8 USE CASES

01 APRIL 2025 – 31 MARCH 2028



ceads.eu

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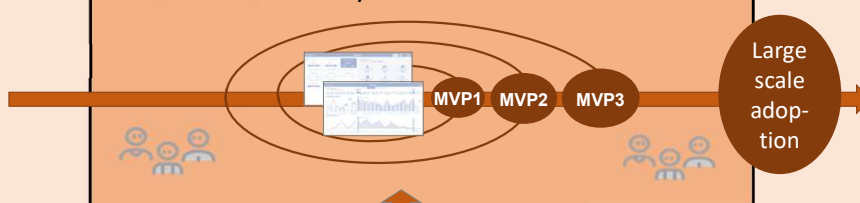
Future vision: towards successful digital food chain ecosystems

Shared ecosystem vision, strategic management and innovation roadmap

Common infrastructure and
standards for data sharing

Create win-win value streams,
organize data governance, ethics

Iterative co-design and
agile development of
concrete, valuable solutions



Adoption and engaging the right partners at the right time



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Based on: [Wolfert, Verdouw, et al. \(2023\)](#)

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