



FoodDataQuest

Data landscape and opportunities

Stakeholder Meeting Data and AI in the Agrifood Sector

3/10/2025, Chania, Greece

Cor Verdouw, Wageningen University & Research, NL



Funded by
the European Union

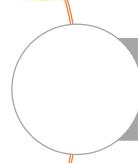
This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

1

Agenda



Data sharing from a value chain perspective



Data landscape: highlights from our literature review



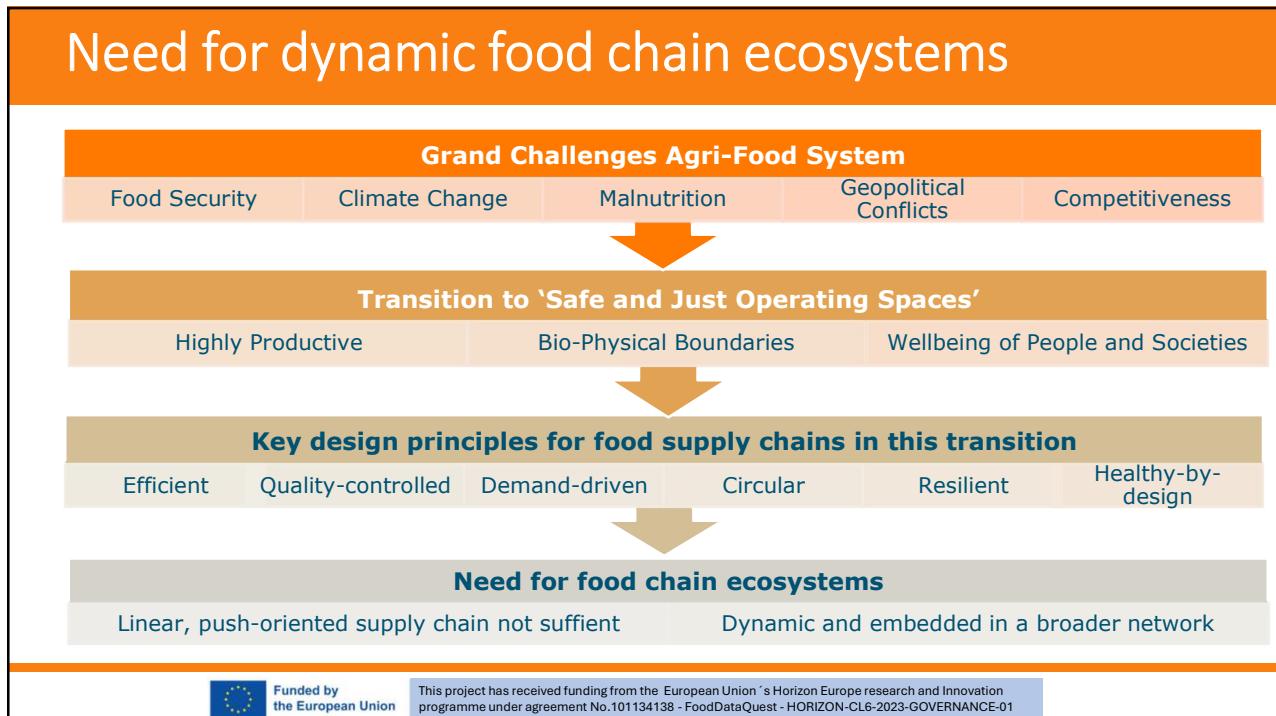
Opportunities ahead: data sharing in food chain ecosystems



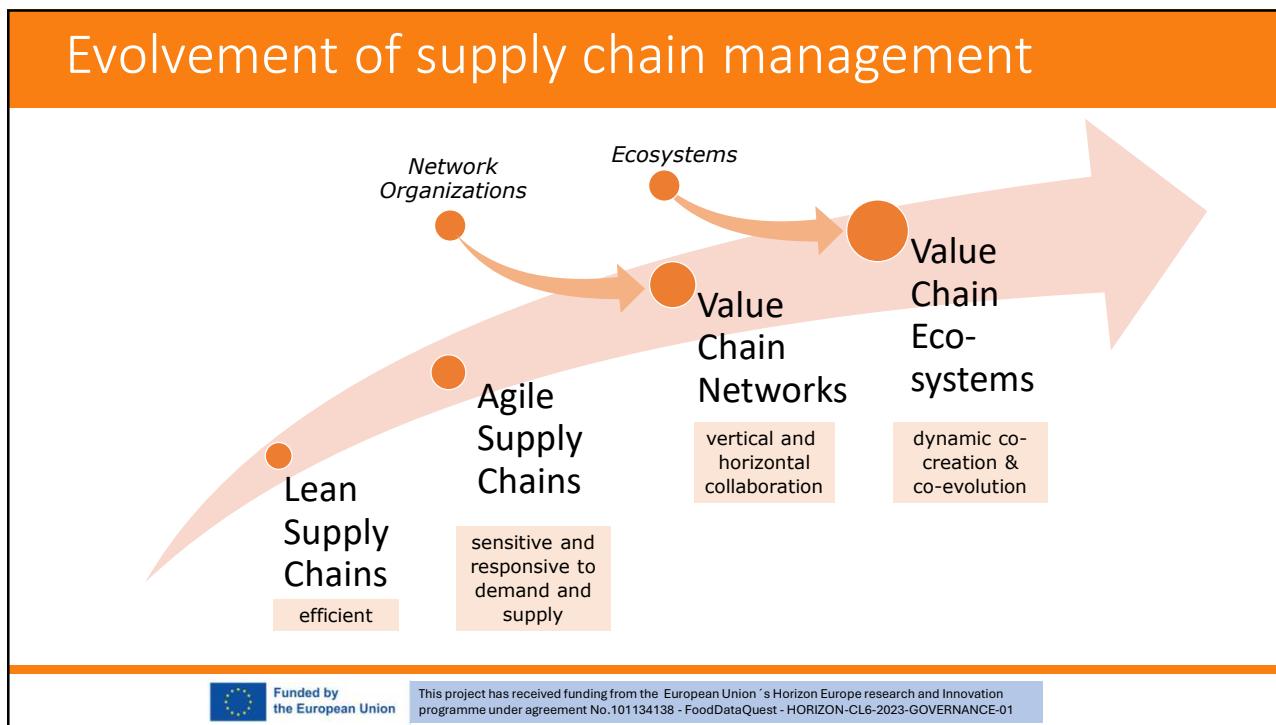
Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

2

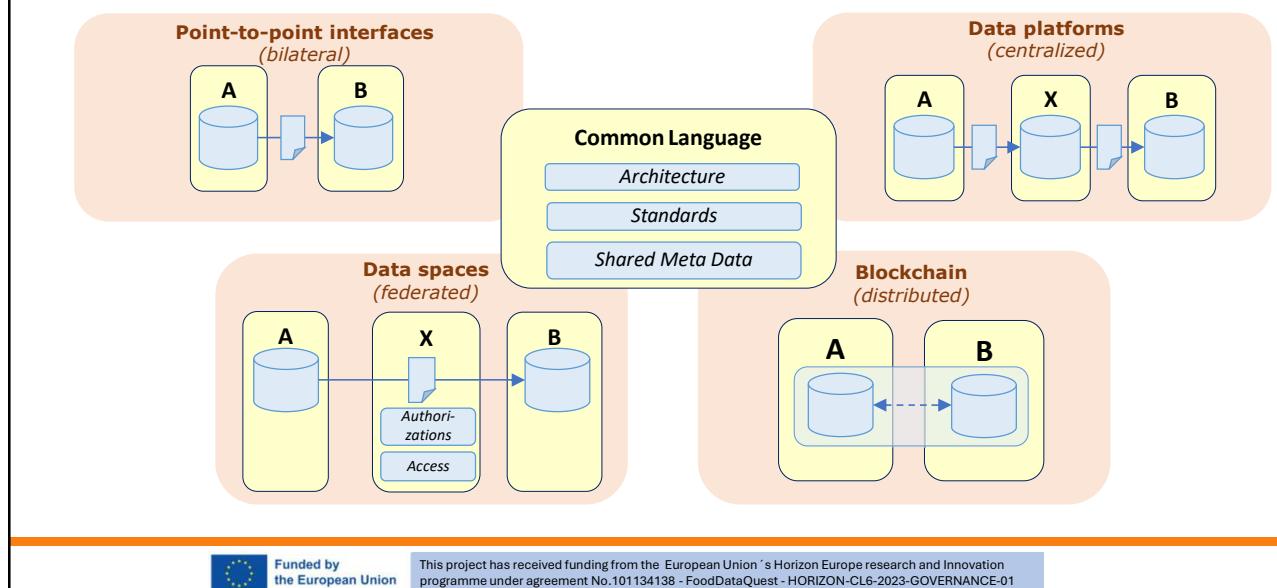


3



4

Key data sharing approaches



Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

5

Agenda



Data sharing from a value chain perspective



Data landscape: highlights from our literature review



Opportunities ahead: data sharing in food chain ecosystems



Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

6

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**

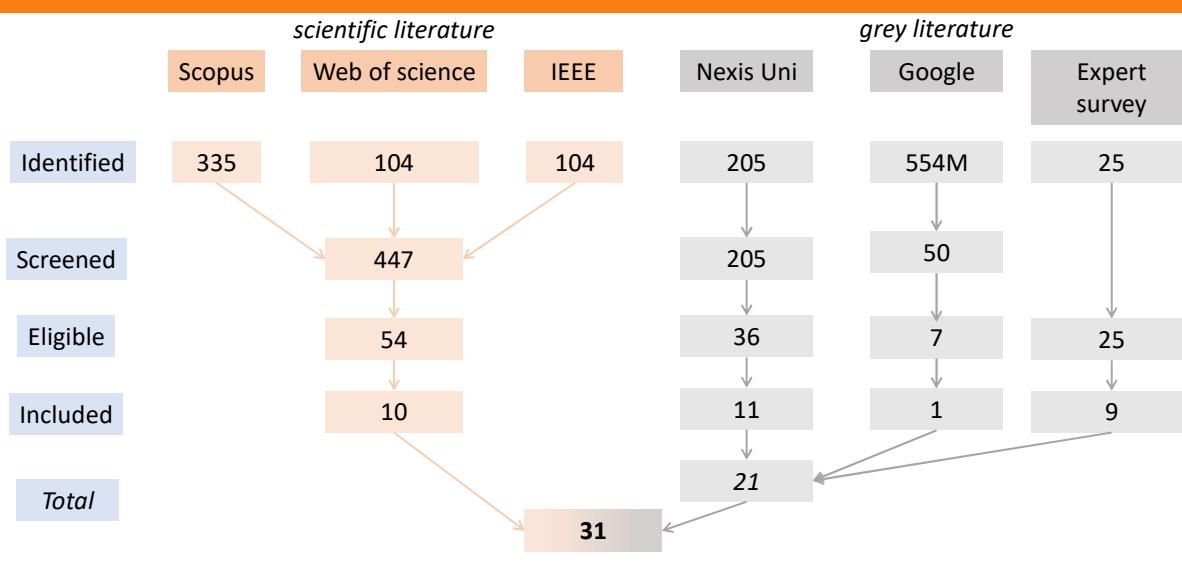


Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and Innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

7

Selection of private Data Sharing Initiatives (DSI's)

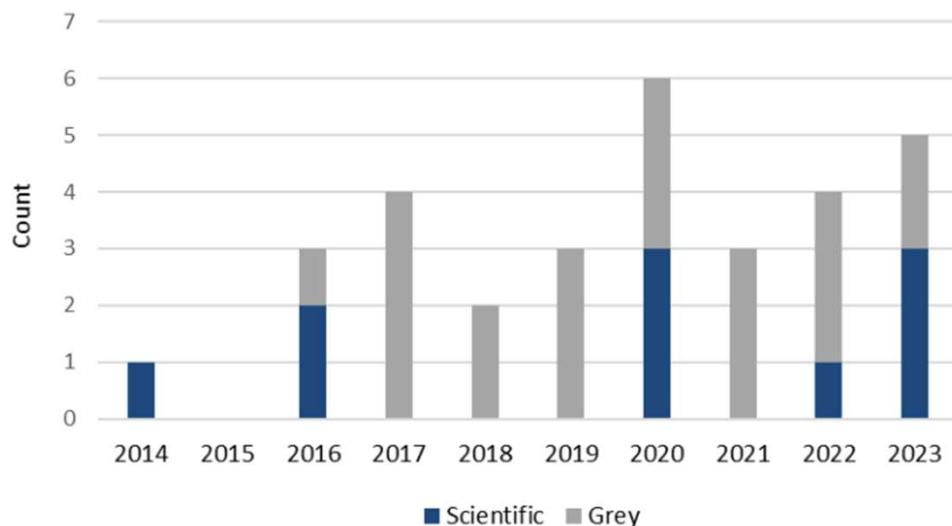


Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and Innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

8

Results - Year-wise distribution of included initiatives

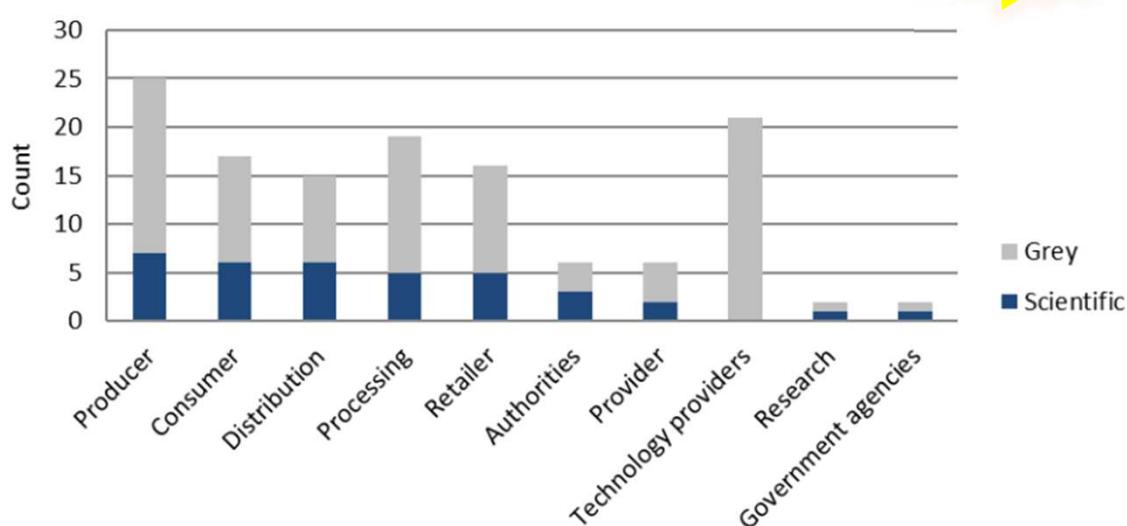


Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

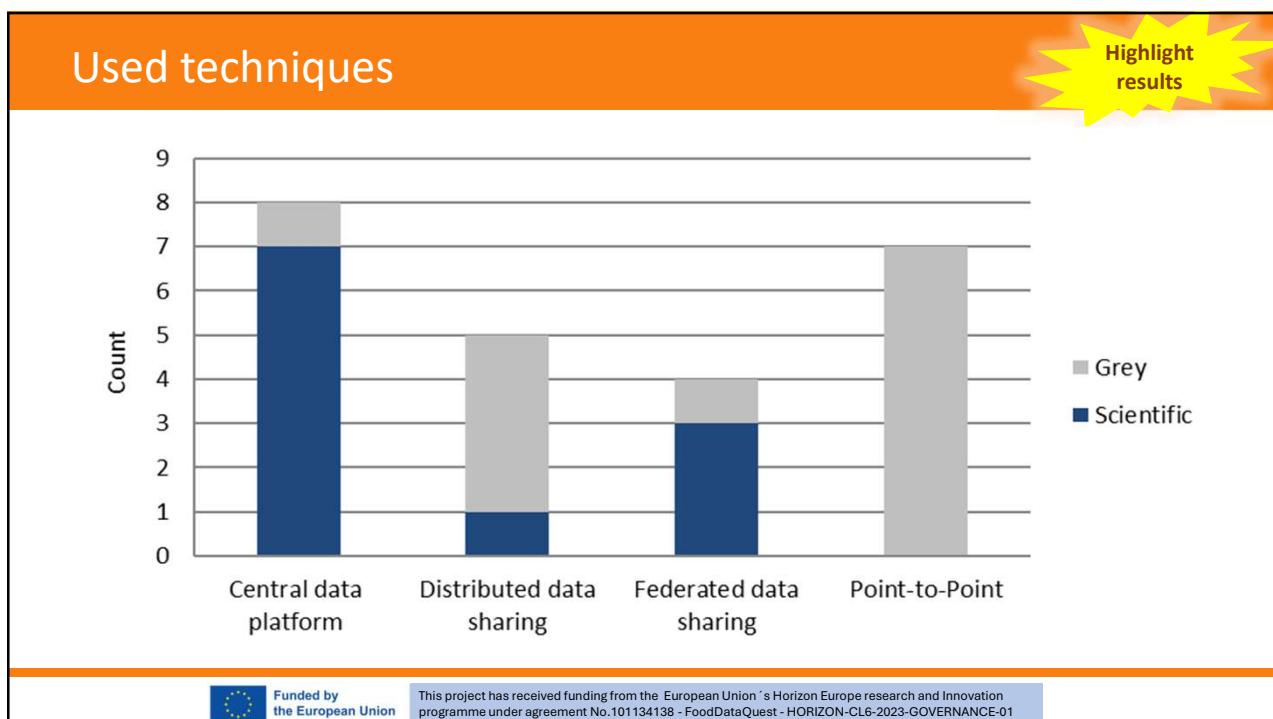
Targeted part of supply chain

Highlight results

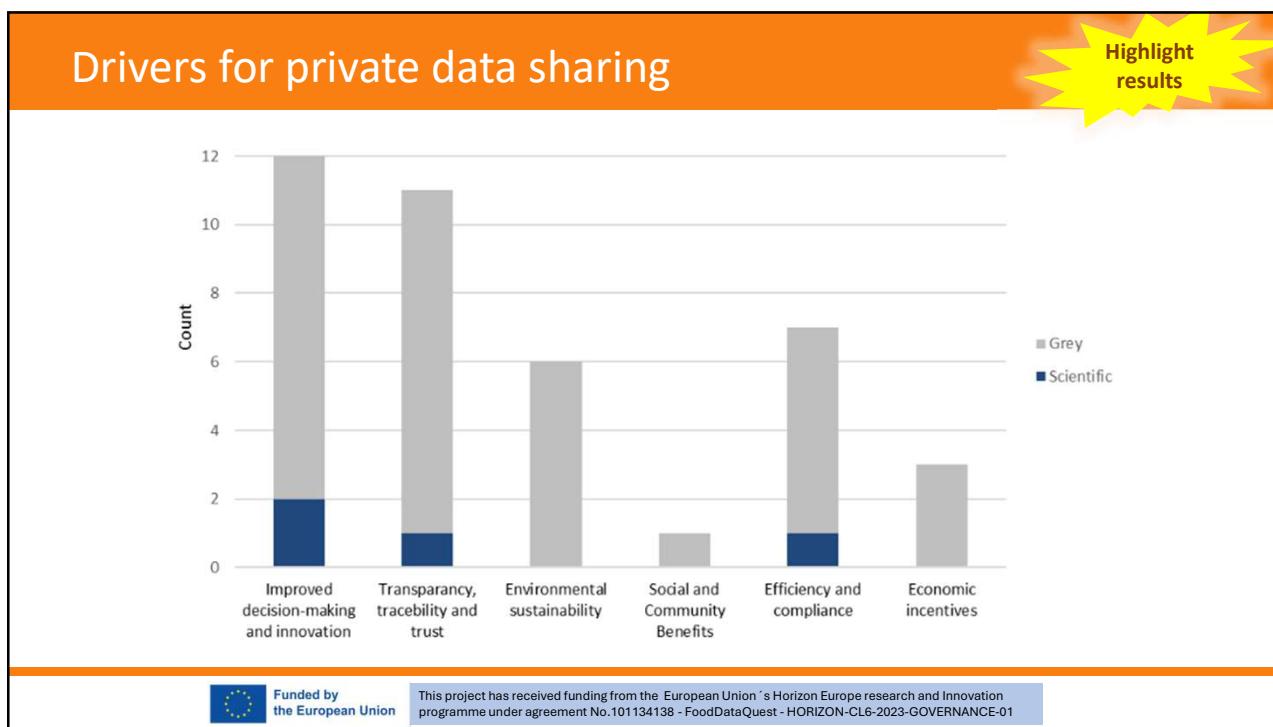


Funded by
the European Union

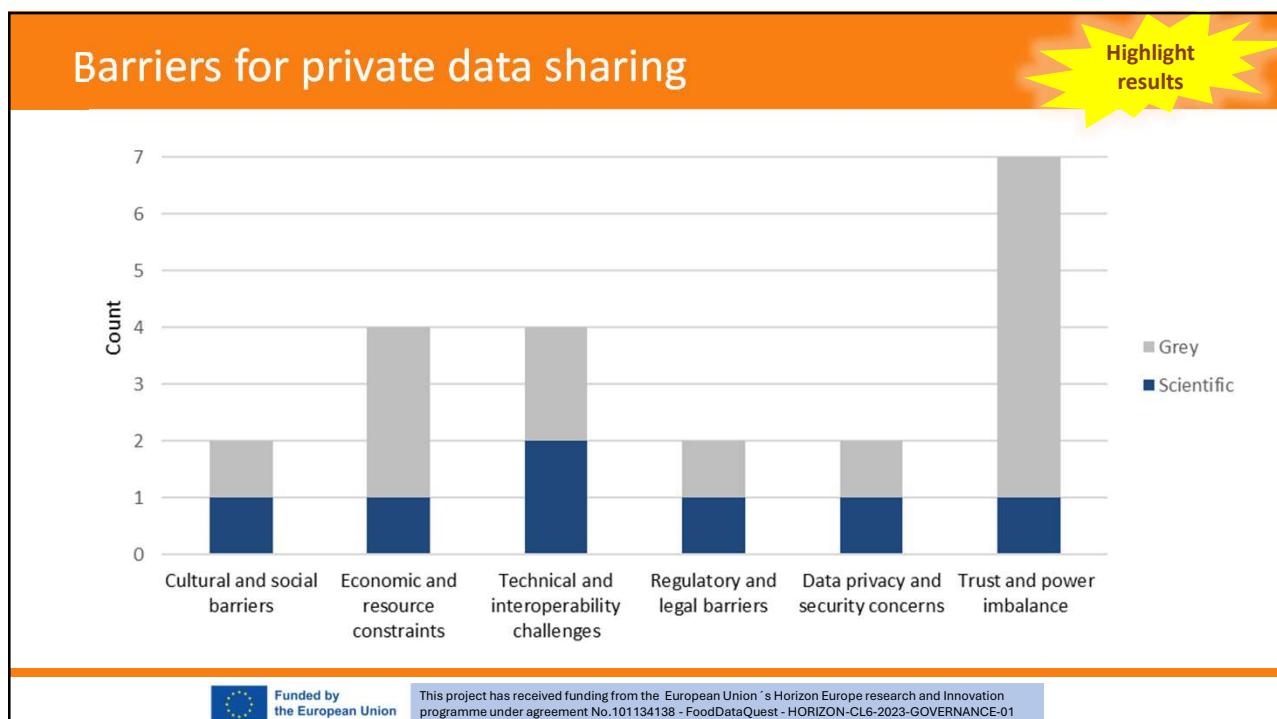
This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01



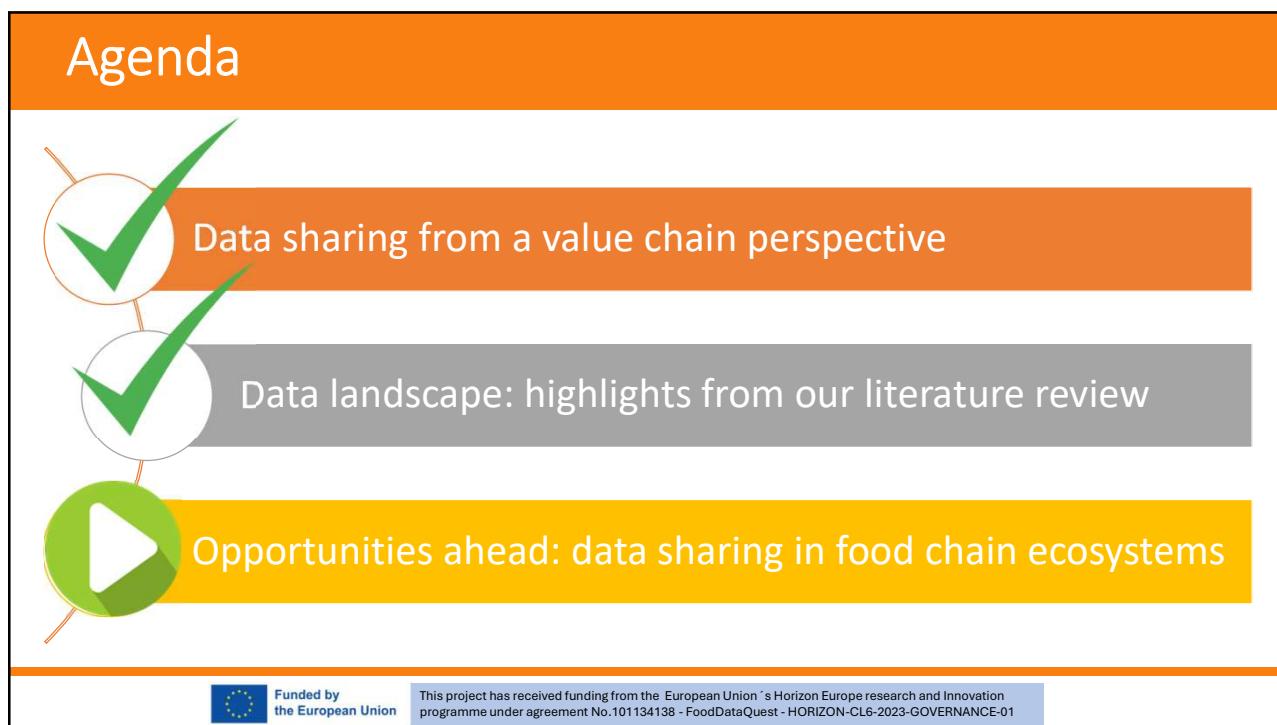
11



12

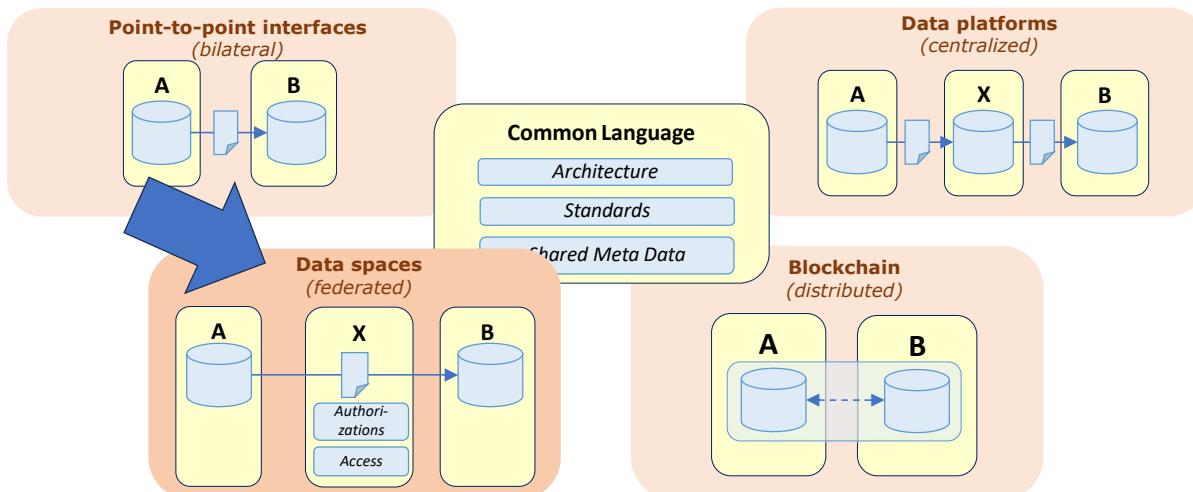


13



14

Key data sharing approaches

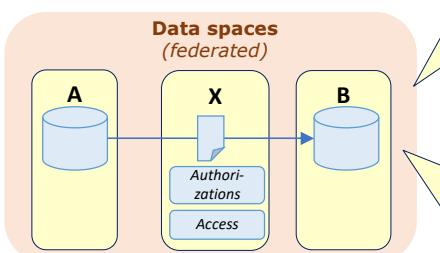


Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

15

What are data spaces?



Data Space

"A decentralised infrastructure for trustworthy data sharing and exchange in data ecosystems, based on commonly agreed principles"
Poikola et al., 2024; Curry et al., 2022

Data Sovereignty

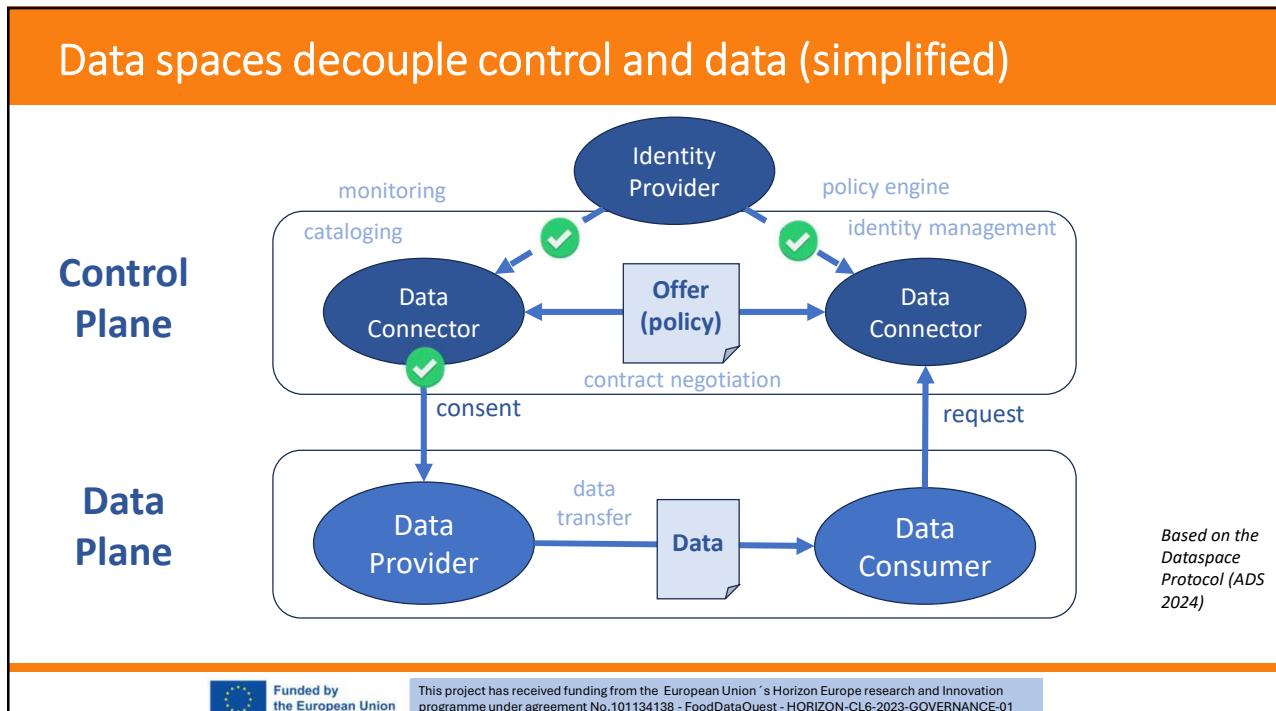
"The ability of individuals, organisations, and governments to have control over their data and exercise their rights on the data, including its collection, storage, sharing, and use by others." *DSSC, 2025*



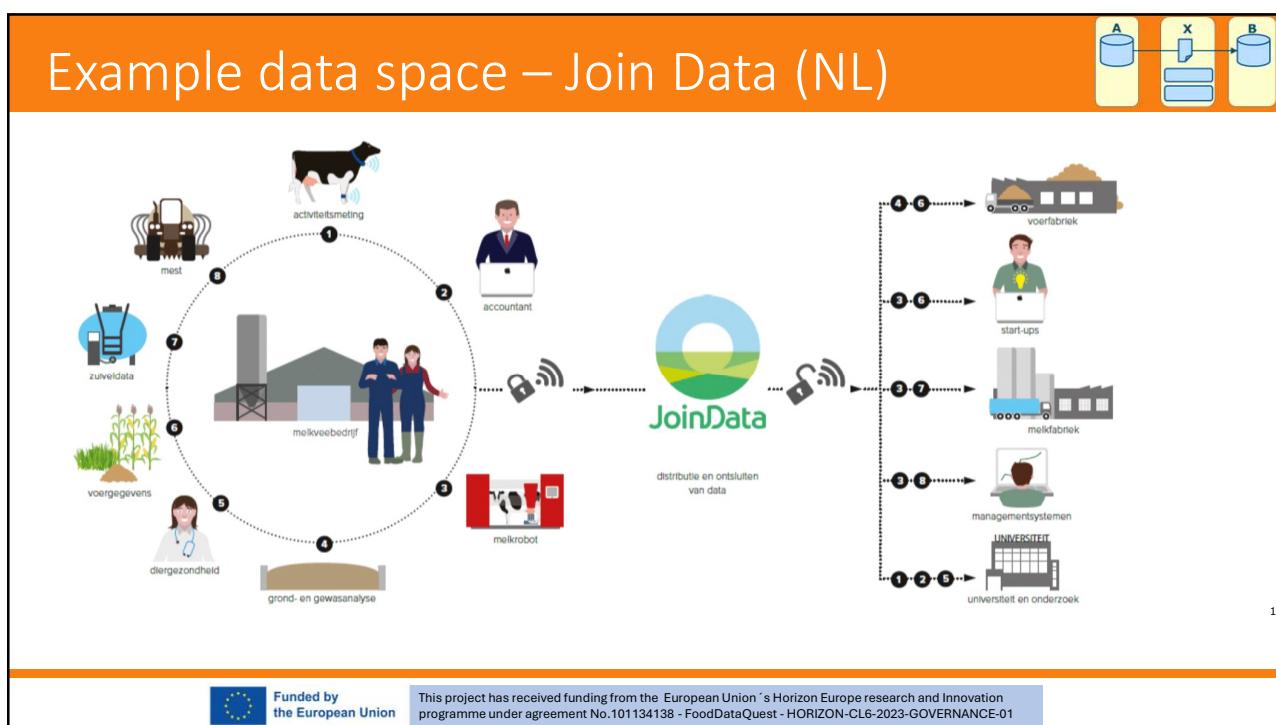
Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

16



17



18

Example data space – Join Data (NL)



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.

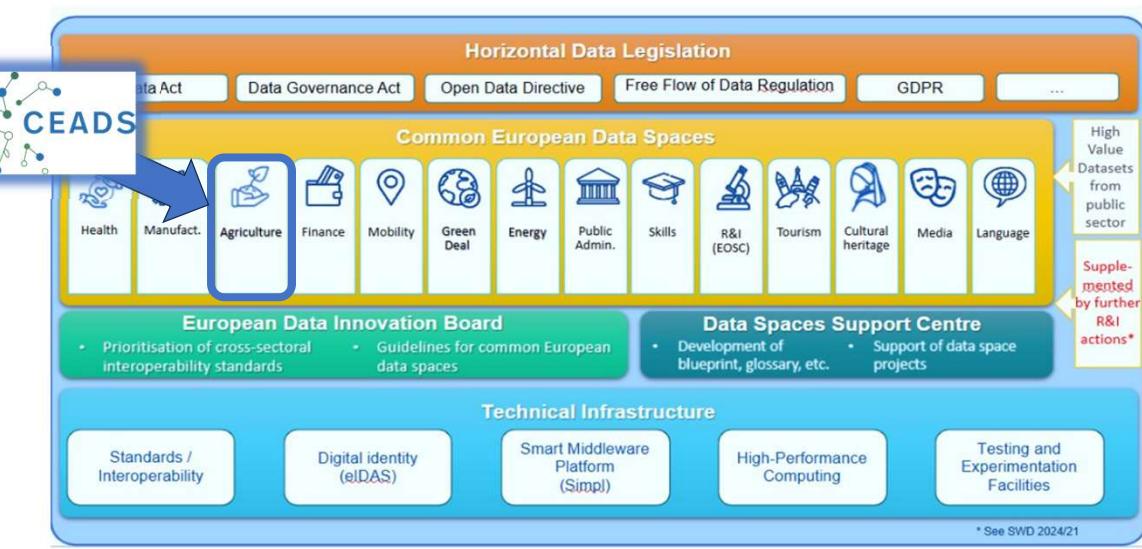
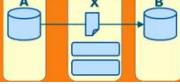
Rijksdienst voor Ondernemend Nederland	2
Sensorleverancier	1
Voerleverancier	1
Slachterij	1

19

Funded by the European Union This project has received funding from the European Union's Horizon Europe research and Innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

19

Common European Data spaces

Horizontal Data Legislation

- Data Act
- Data Governance Act
- Open Data Directive
- Free Flow of Data Regulation
- GDPR
- ...

CEADS

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

Funded by the European Union This project has received funding from the European Union's Horizon Europe research and Innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01

20

GA no: 101195295

COMMON EUROPEAN AGRICULTURAL DATA SPACE (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

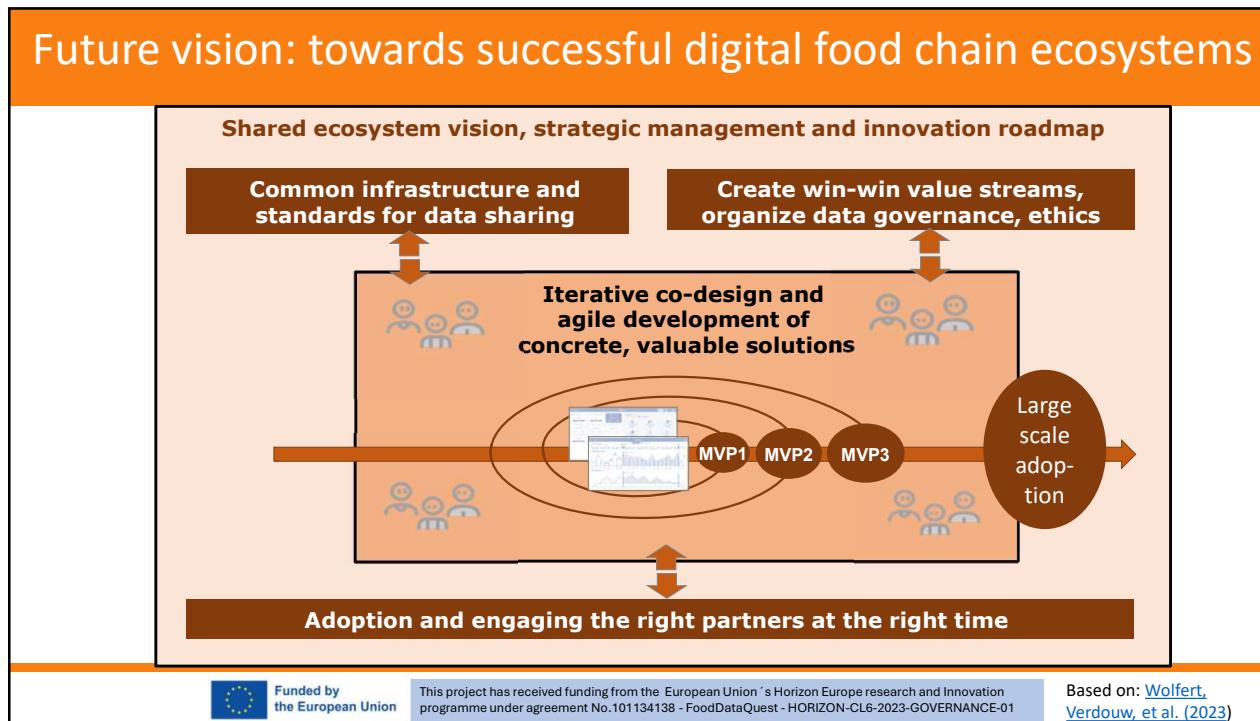
01 APRIL 2025 – 31 MARCH 2028



ceads.eu

21

21





FoodDataQuest

Data landscape and opportunities

Stakeholder Meeting Data and AI in the Agrifood Sector

3/10/2025, Chania, Greece

Cor Verdouw, Wageningen University & Research, NL



Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under agreement No.101134138 - FoodDataQuest - HORIZON-CL6-2023-GOVERNANCE-01