



Innovation throughout the Data Journey

11.12.2024

European Convention Center Luxembourg



Opening



Master of Ceremony

Bert Verdonck

CEO

Luxembourg National Data Service

Leadership Team

Luxembourg National Data Service



Régisseuse & Event coordinator

Catharina Schram

Head of Communications & PR
Luxembourg National Data Service



Agenda: Morning

09:30 **National Data strategy and end to end Journey of Data**

10:30 Coffee break

10:50 **From the Journey of Data to Augmented Intelligence**

12:00 Lunch



Agenda: Afternoon

13:00	The End-to-end journey – Part 1	13:00–14:00 Workshop: Data Protection Training
14:15	Coffee break	14:00–15:00 Workshop: Data Stewardship Training
14:45	The End-to-end journey – Part 2	
15:50	Coffee break	
16:10	A look into the future	
17:00	Networking drinks	
18:00	End of the Data Summit 2024	

Practical Information for the day



Silence Mobile



Emergency Exits



**Drinks in the
foyer only**



Datasummit.lu



Datasummit.lu



**Networking
drinks cocktail**

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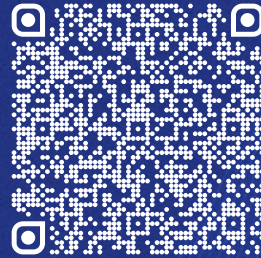




DATA SUMMIT LUXEMBOURG

**will be back
in 2025**

Save the date!
02.12.2025



European Convention Center Luxembourg

**Innovation
throughout the Data Journey**

Learn

Be inspired

Inform

Share

Network

Celebrate

Be thankful



LNDS in key figures

Since 2022

Founded July 2022
Started November 2022

€12.9M

MEUR spent since the start

63

Collaborators

€5.4M

subsidies granted

19

Data projects
active

21

Data projects
completed

LNDS in key figures

34 – 380

Data sets in
catalogue

8/9

Tools in
production

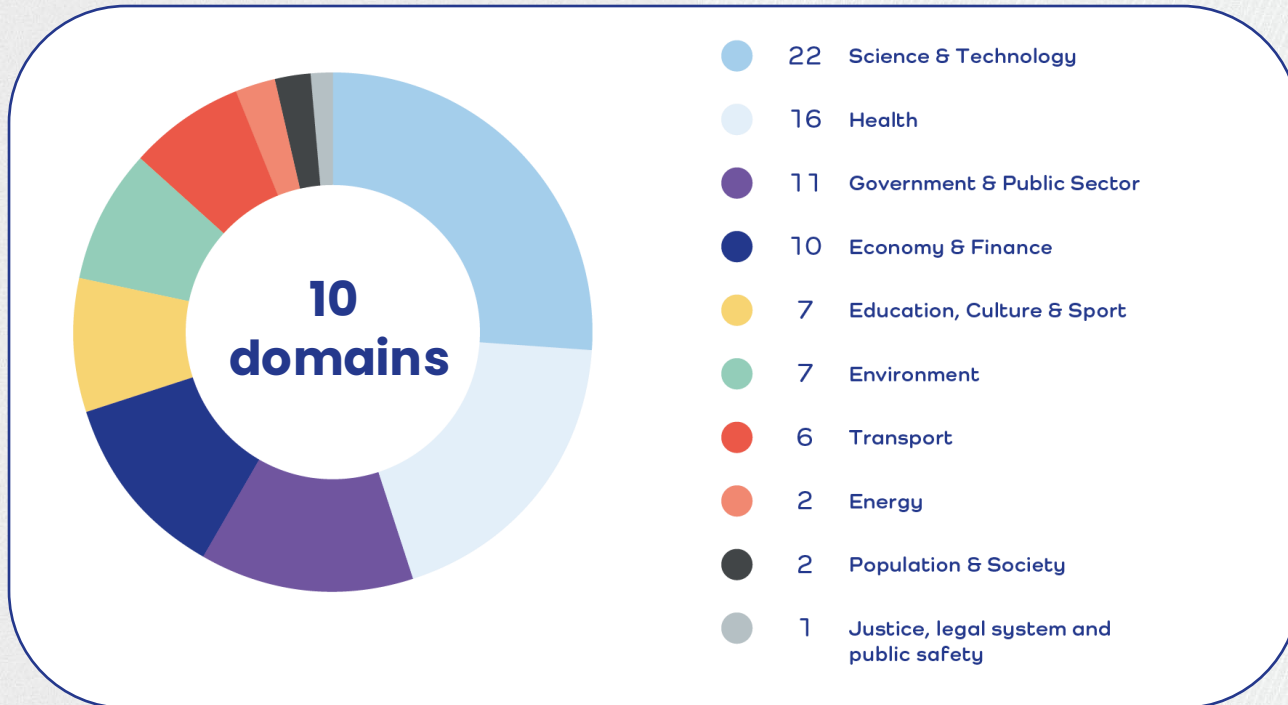
13/15

Services released

587

Participants
registered for the
Data Summit

Data Projects Domains





data.
public.lu

The Luxembourgish open data platform

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LNDS Annual Report 2023 LNDS

Updated on June 19, 2024 — [Creative Commons Zero \(CC0\)](#) 3 favourites

Producer Metadata Actions



Luxembourg National Data Service

Enabling value creation from secondary use of data – with transparency, control and trust. Luxembourg National Data Service (LNDS) is a brand of PNED G.I.E, an economic interest group created by the Luxembourg Government, to implement Luxembourg's strategies in research, innovation, and...

4 datasets

SUMMARY

1. Description
2. Files ⁽¹⁰⁾
3. Community resources ⁽⁰⁾
4. Reuses ⁽⁰⁾
5. Discussions ⁽⁰⁾

Description

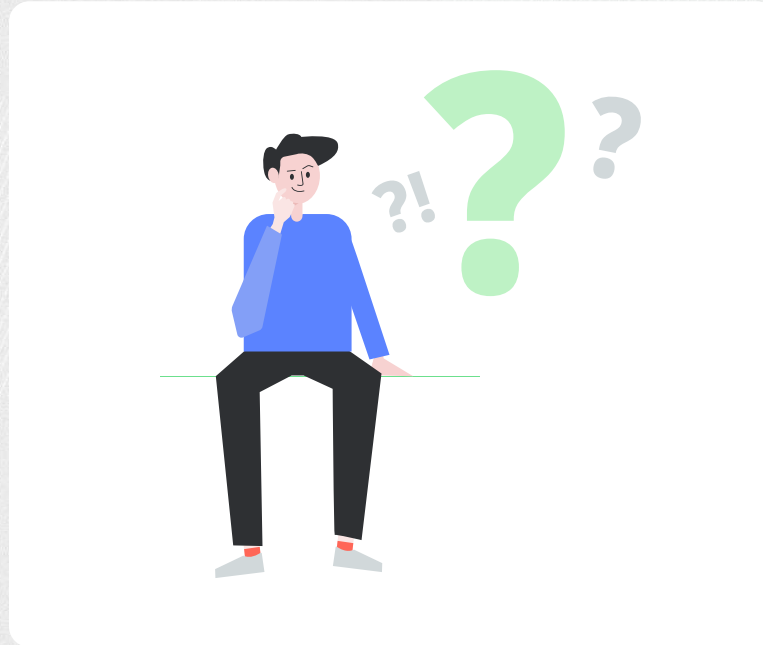
We are pleased to announce that LNDS has successfully completed its Annual Report of 2023. A fruit of rigorous and detailed work, the Annual Report highlights the achievements, challenges and prospects of its first full year in operation. Transparency is one of the key values of LNDS. As a sign of living its values, in addition to the Annual Report, LNDS has also made available all public data files associated with this report.

These data files enable a more in-depth analysis and offer greater transparency on the past year's activities. This is a commendable initiative on the part of LNDS, demonstrating our commitment to openness and accountability.

Each data file corresponds to a section of the Annual Report and shows the data that has been used to create the content, and most notably the data visualisations and infographics.



Step 0: **IDEATE**





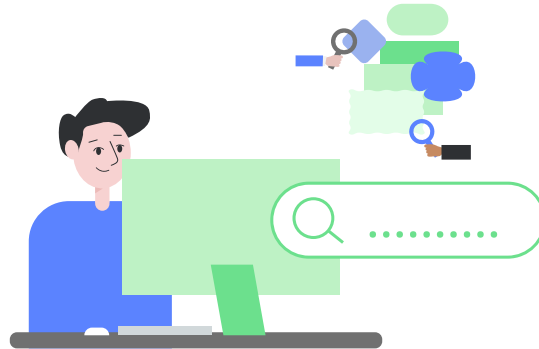
Data User Journey



Step 1: **DISCOVER**



Step 0: IDEATE





Data User Journey

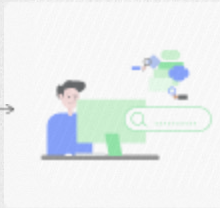


Step 2: REQUEST ACCESS

Step 0: IDEATE



Step 1: DISCOVER





Data User Journey

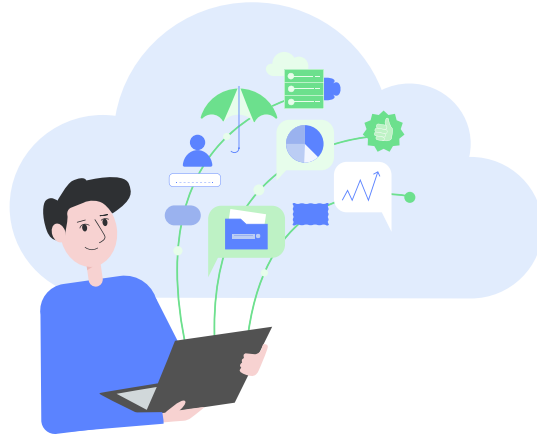
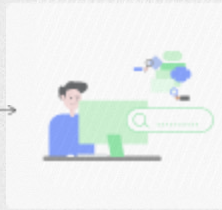


Step 3: ACCESS

Step 0: IDEATE



Step 1: DISCOVER





Data User Journey

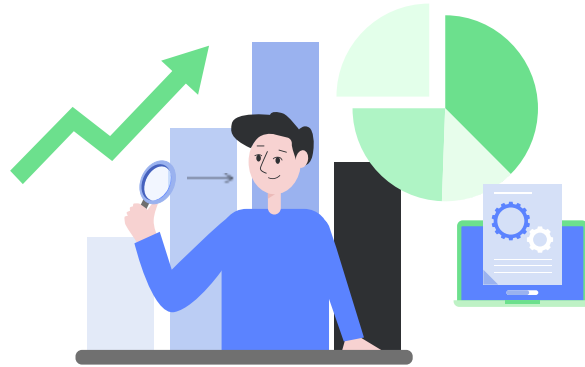
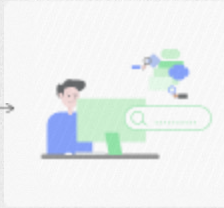


Step 4: ANALYSE

Step 0: IDEATE



Step 1: DISCOVER





Data User Journey

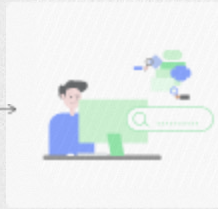


Step 5: REVIEW RESULT

Step 0: IDEATE



Step 1: DISCOVER





Data User Journey

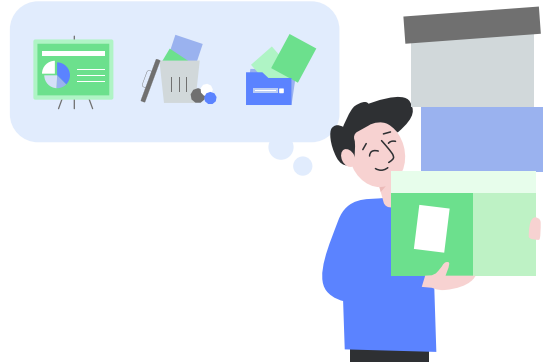
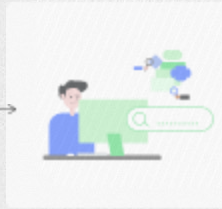


Step 6: **FINISH**

Step 0: IDEATE



Step 1: DISCOVER

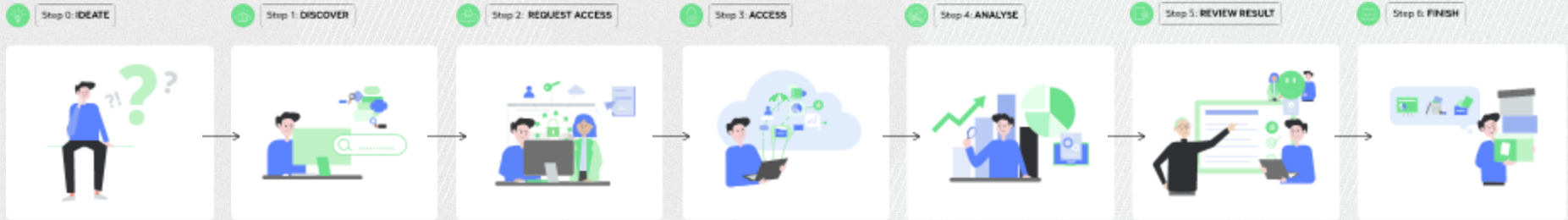


Step 5: REVIEW RESULT





Data User Journey





Government keynote



Stéphanie Obertin

Minister for Digitalisation

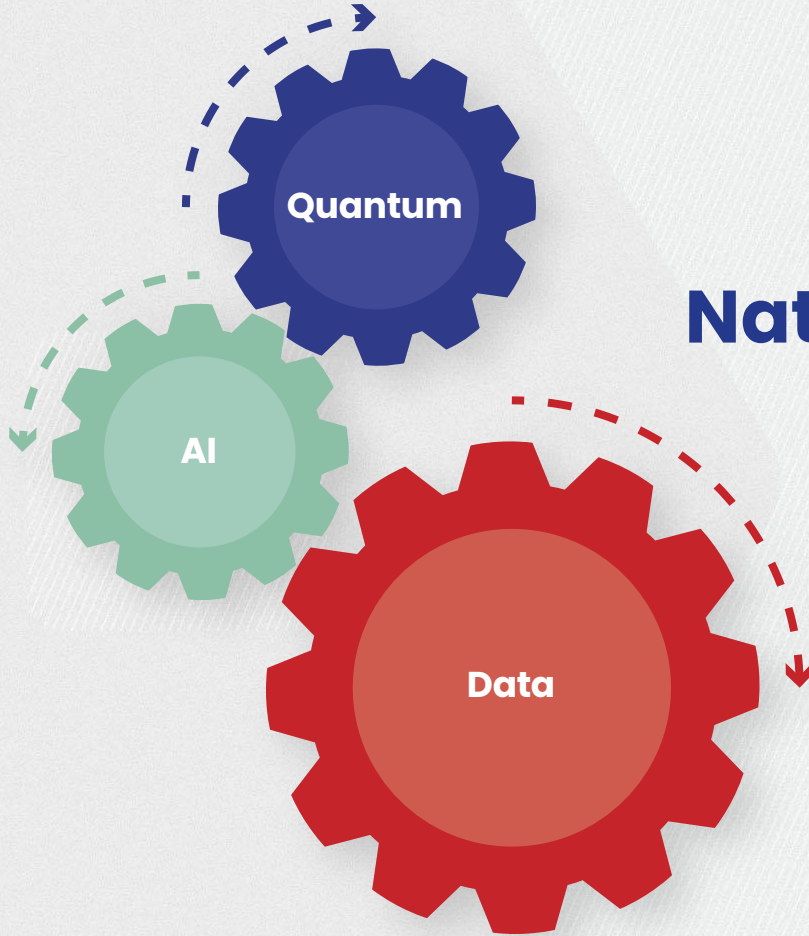
Minister for Research and Higher Education



Romain Martin

Chairman of the Board of Directors
Luxembourg National Data Service

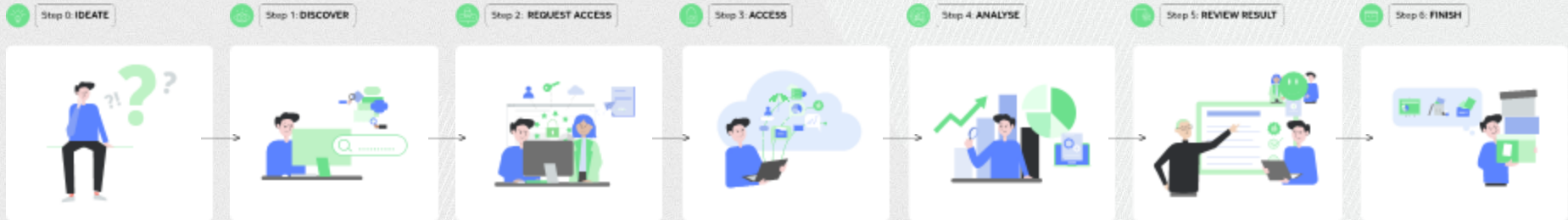
Premier Conseiller
Ministry of Research & Higher Education



National Strategies

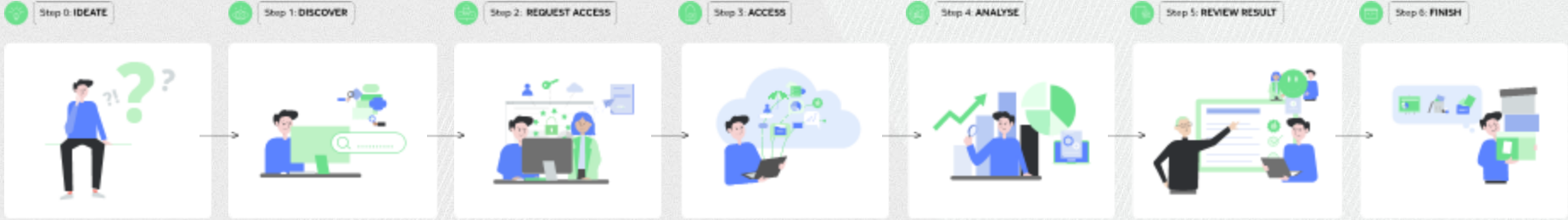


Data User Journey

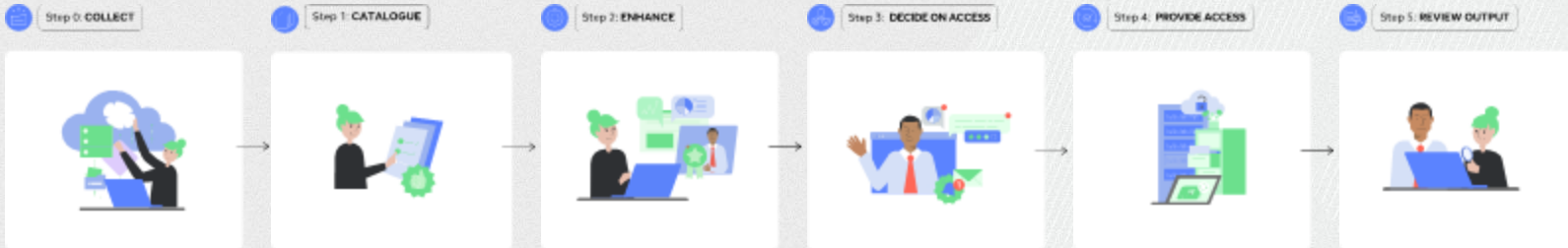




Data User Journey



Data Provider Journey

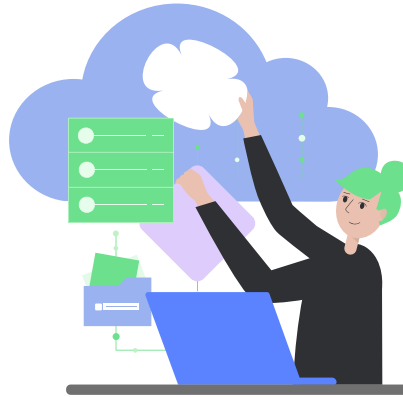




Data Provider Journey



Step 0: **COLLECT**





Data Provider Journey



Step 1: **CATALOGUE**

Step 0: COLLECT



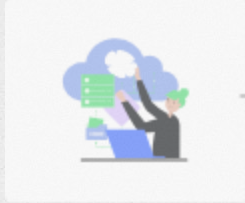


Data Provider Journey

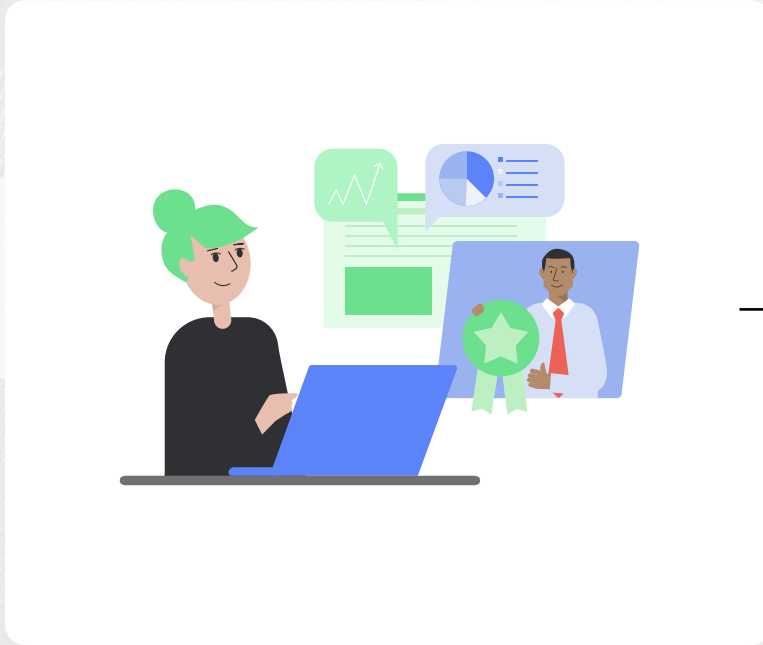


Step 2: ENHANCE

Step 0: COLLECT



Step 1: CATALOGUE



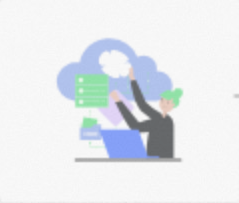


Data Provider Journey

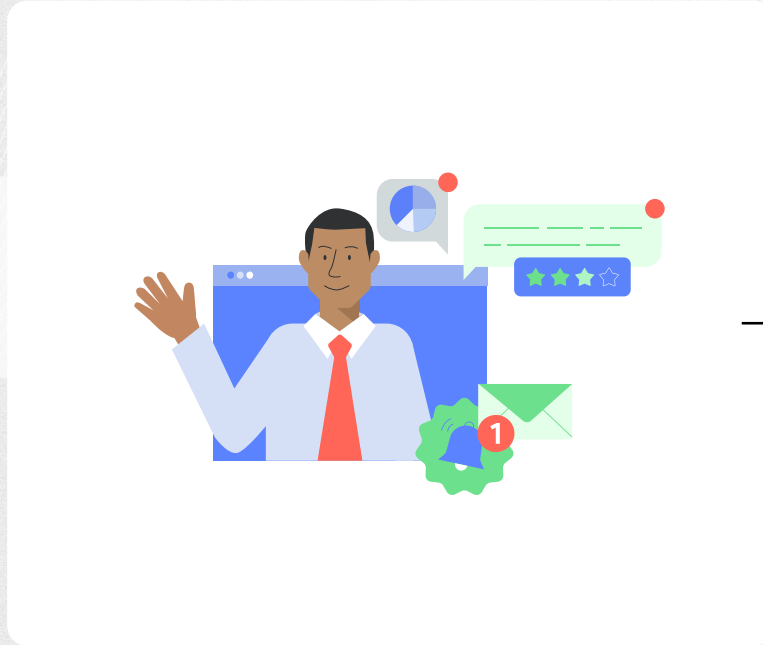


Step 3: **DECIDE ON ACCESS**

Step 0: COLLECT



Step 1: CATALOGUE



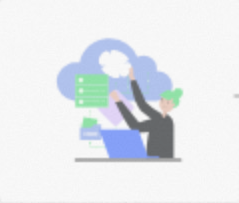


Data Provider Journey



Step 4: **PROVIDE ACCESS**

Step 0: COLLECT



Step 1: CATALOGUE



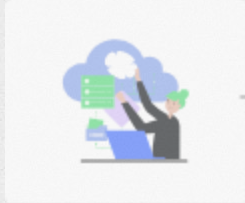


Data Provider Journey

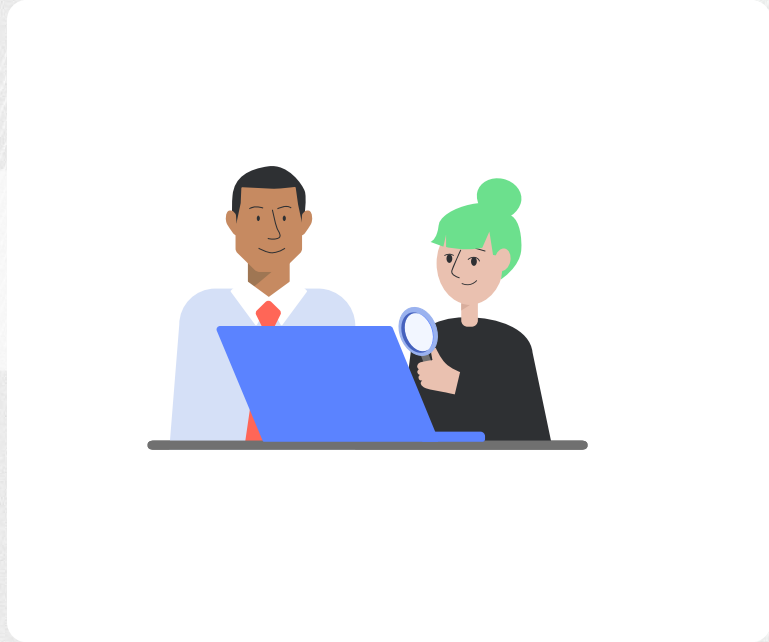


Step 5: REVIEW OUTPUT

Step 0: COLLECT



Step 1: CATALOGUE



Step 2: VALIDATE



Step 3: SHARE

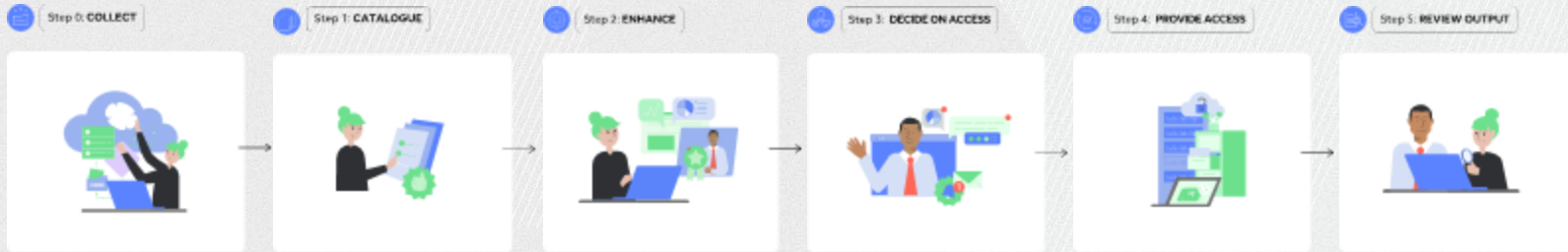


Step 4: MONITOR



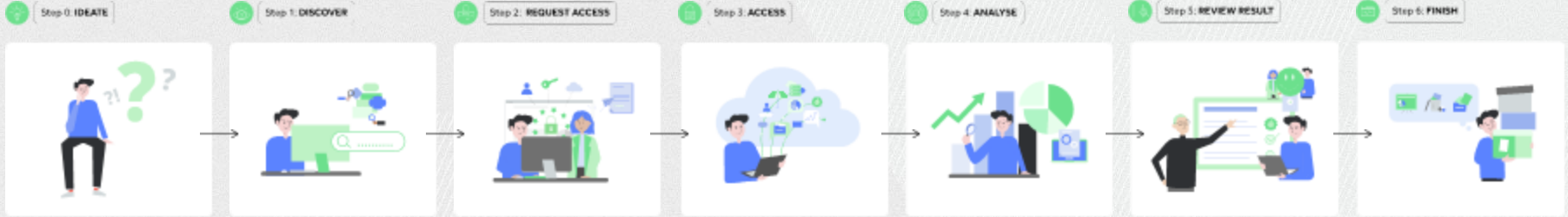


Data Provider Journey

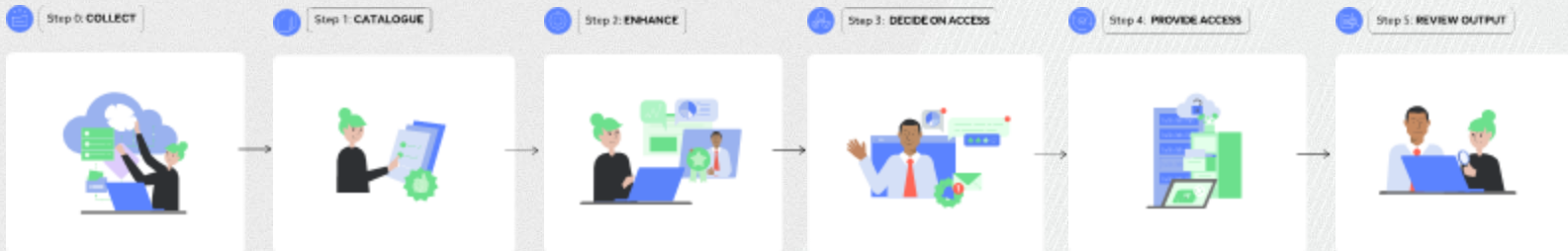




Data User Journey



Data Provider Journey





Panel discussion

Navigating the Data Governance Act: Roles, Responsibilities, and Collaboration in Luxembourg



Panel

Navigating the Data Governance Act: Roles, Responsibilities, and Collaboration in Luxembourg



Bert Verdonck

CEO
Luxembourg National Data
Service



Gaston Schmit

Premier Conseiller
Ministry of Digitalisation



Max Spielmann

Government Commissioner
for Data Protection
CGPD



Patrick Houtsch

Director
Centre technologique et
informatique de l'Etat (CTIE)



**Primary use of
personal data**



**Personal data re-use
by public entities**



**Once Only
principle**



**Re-use of data
(Data Governance Act)**





Competent bodies proposed in the law proposal

MinDigi

- Unique information point and data catalogue

CGPD

- Data Authority

CTIE

- Confidentiality plan and Secure processing environment

LNDS

- Support to the requesting parties for data re-use

- Outsourced activities for Digitalisation Ministry, CGPD and CTIE



Coffee Break

Welcome back!



Government keynote



Elisabeth Margue

Minister of Justice

Minister Delegate to the Prime Minister for
Media and Connectivity



Keynote

Data collaboration in Flanders: the Data Utility Company Athumi



Björn De Vidts
CEO
Athumi

Never before access to data has been more crucial



Web

All information
available



Mobile

All information
available everywhere



Cloud

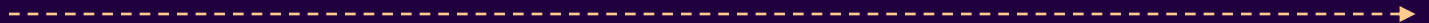
Infinitely scalable



AI

Smart & personalised
services

AMOUNT OF DATA



Where to find premium data?

**Company
owned data**

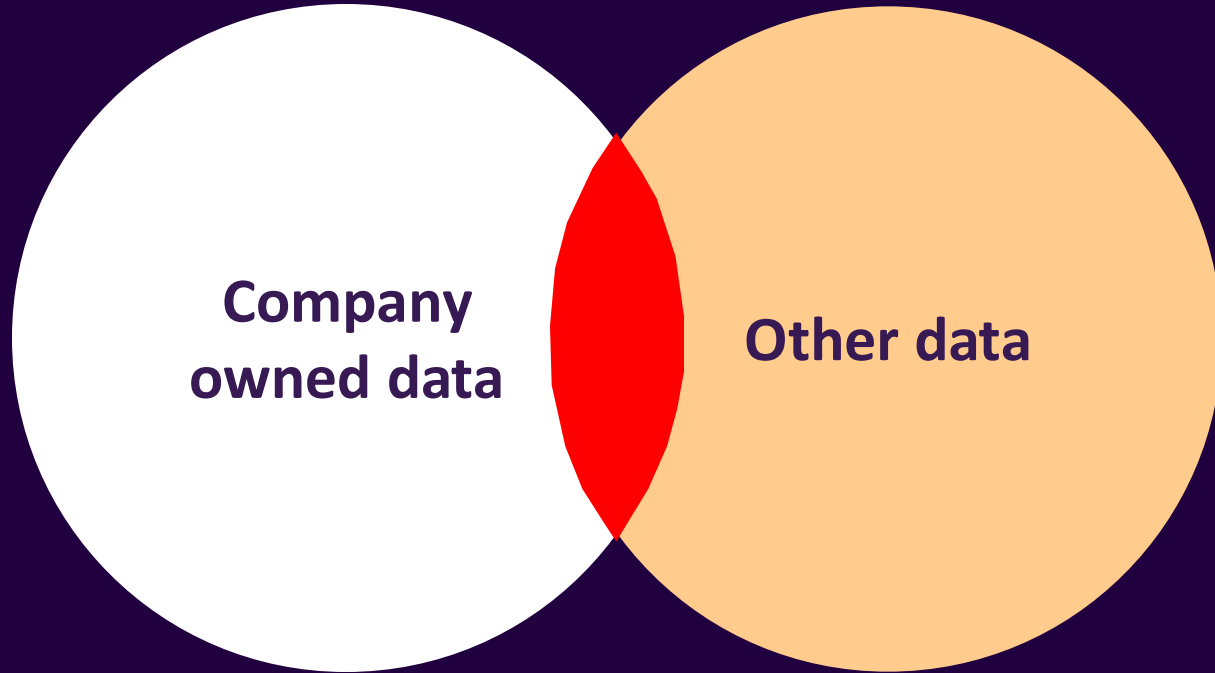
Where to find premium data?



**Company
owned data**

Other data

Where to find premium data?



Problems when using other data



Lack of standards

Loss of data quality when data is used in a different business context is a big hurdle in data collaboration



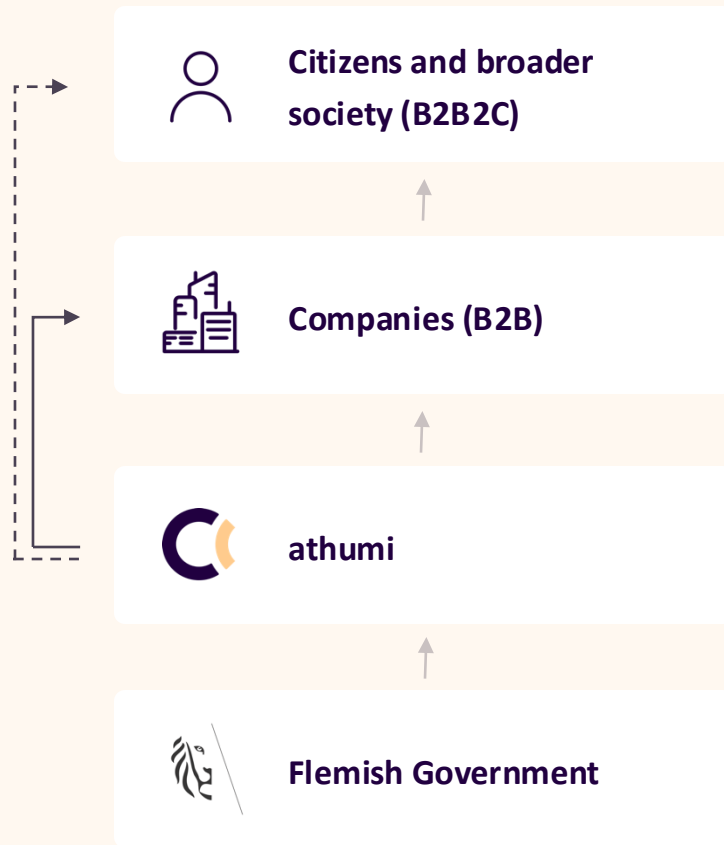
Lack of trust

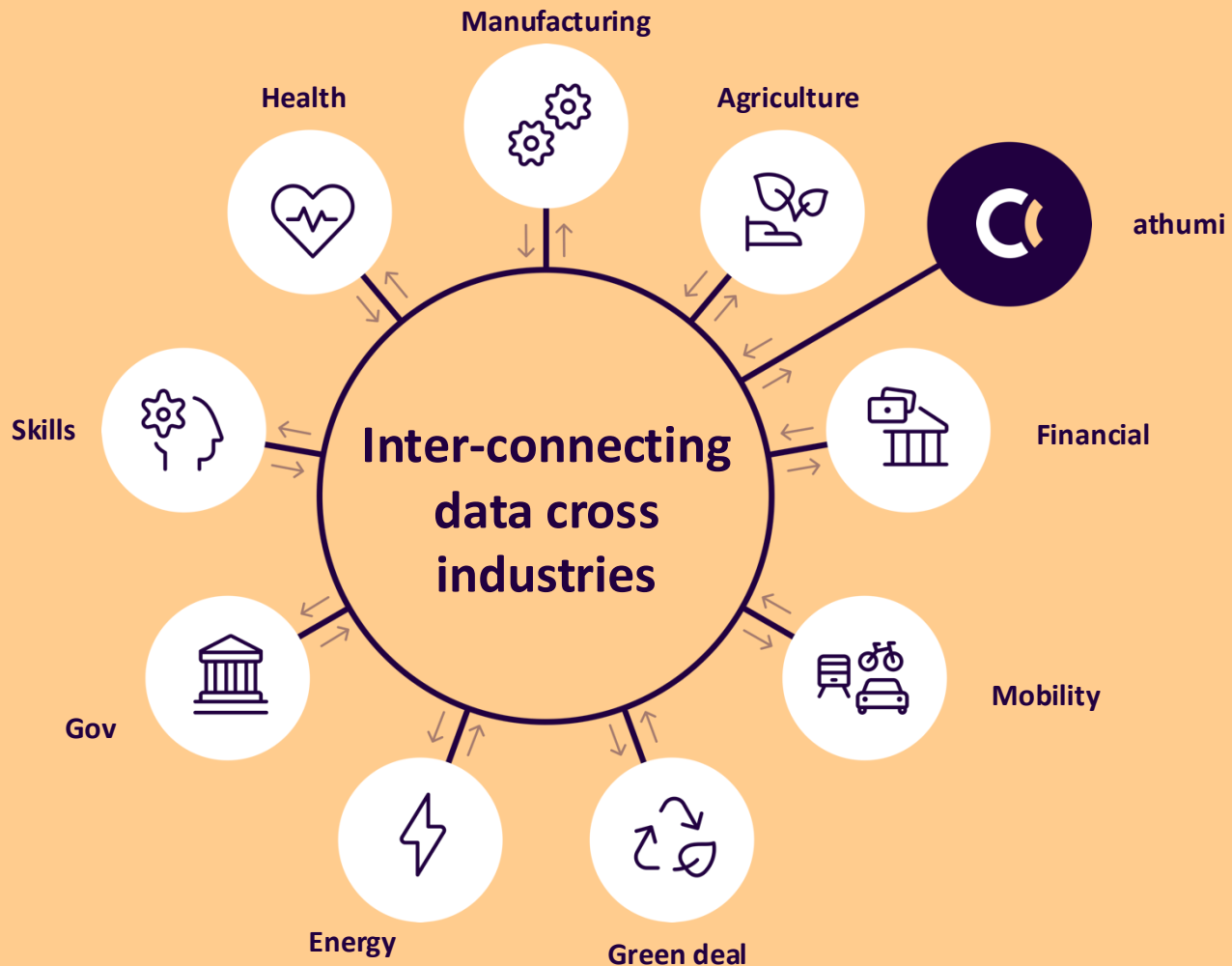
Fear of losing control and transparency over what happens with valuable data, is the main reason why it's so difficult to maximize the use of this data as the new rocket fuel for our economy

Why Athumi?

Athumi was founded as a **neutral third party** to enable companies to make more data more usable. This includes traditional company data, but also **confidential and personal data**.

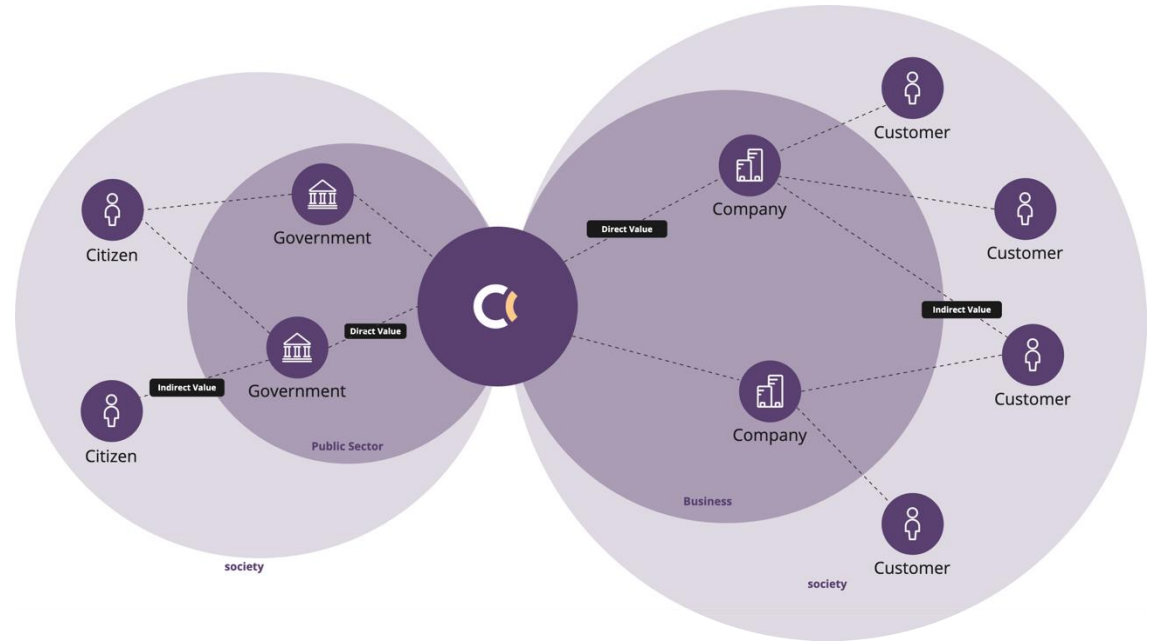
Athumi thus opens up new opportunities for sectors and companies to collaborate B2B and develop innovative B2C services that citizens can participate in securely **without giving up control over their data**.



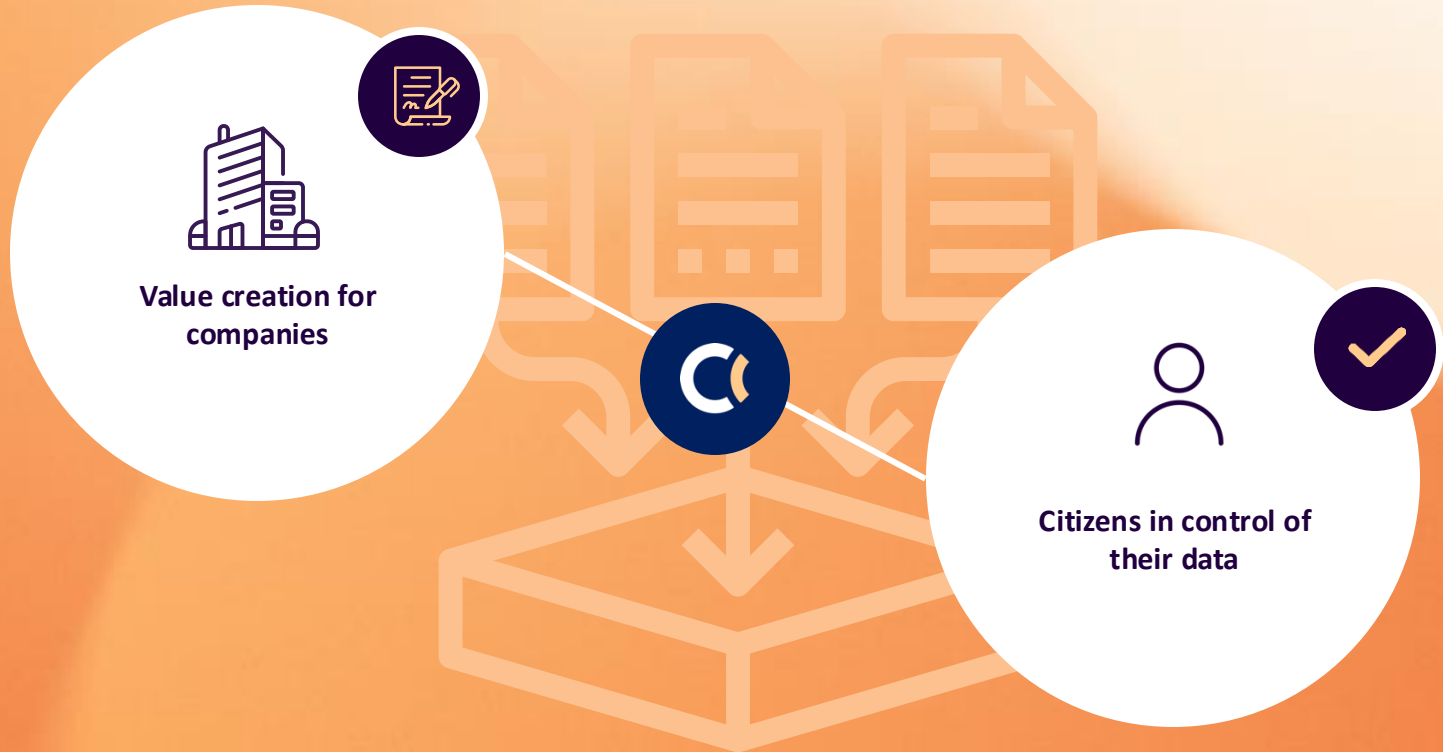


At the intersection of public and private

As a B2B2C player we drive business growth by delivering **direct value** to companies and government, while also creating **indirect value** for individuals through efficiency gains, improved sustainability, and greater control over their personal data.



Economical and societal mission



Citizens in control of their data



 Ask consent

 Access to data

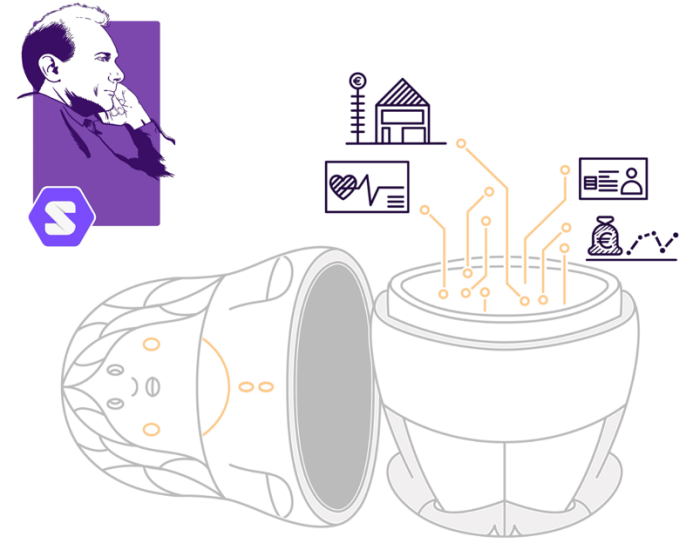
Björn's Data Pod

New item

1st party data

High value

Personal Data Space Use Cases



 Ask for consent

 Access to data

Björn's Data Pod

New item

1st party data

High value



Online **job application** and onboarding



Secondary use of **health data**



Hyperpersonalized media services with consumer in control



5.759
companies & SME's



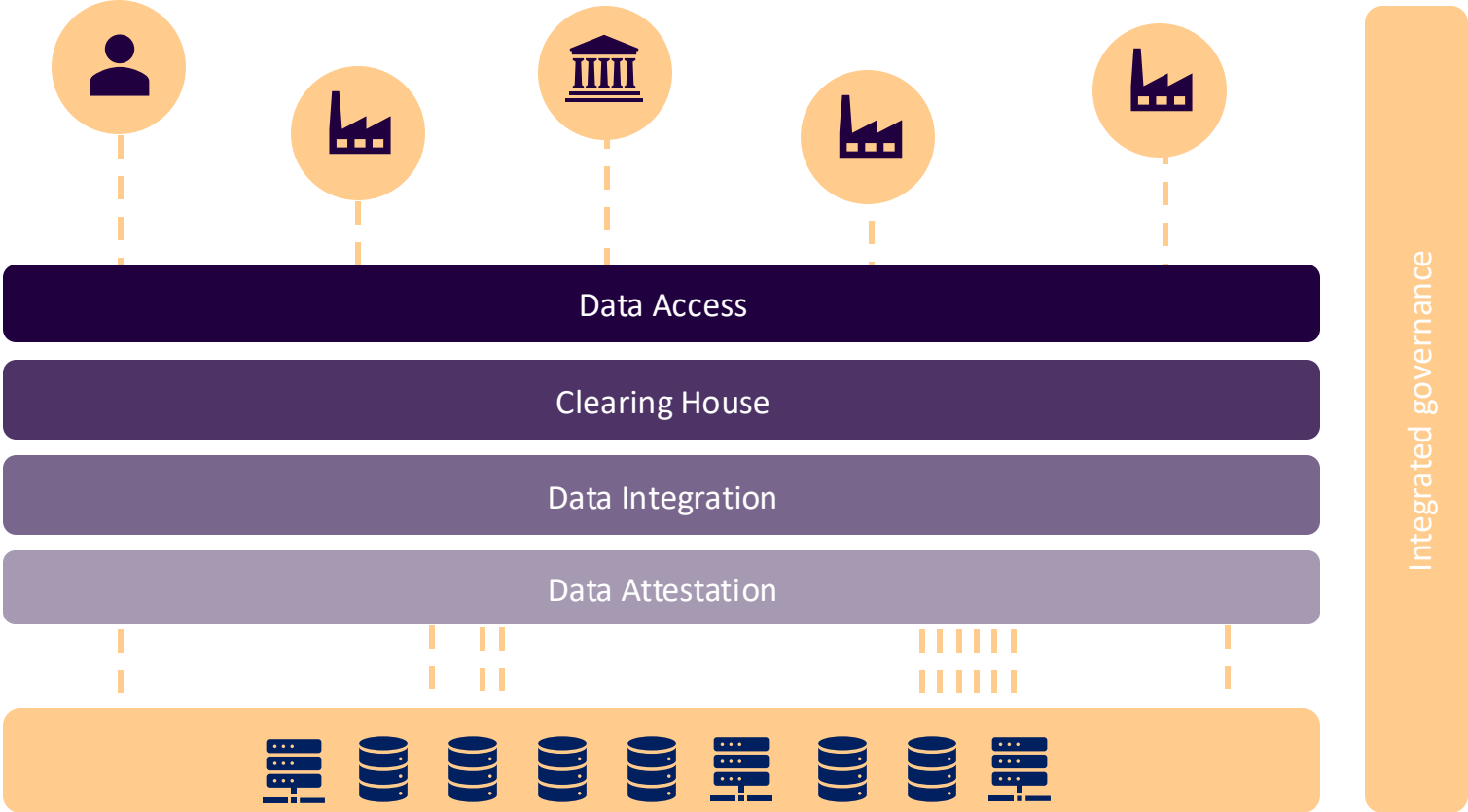
85
published data streams



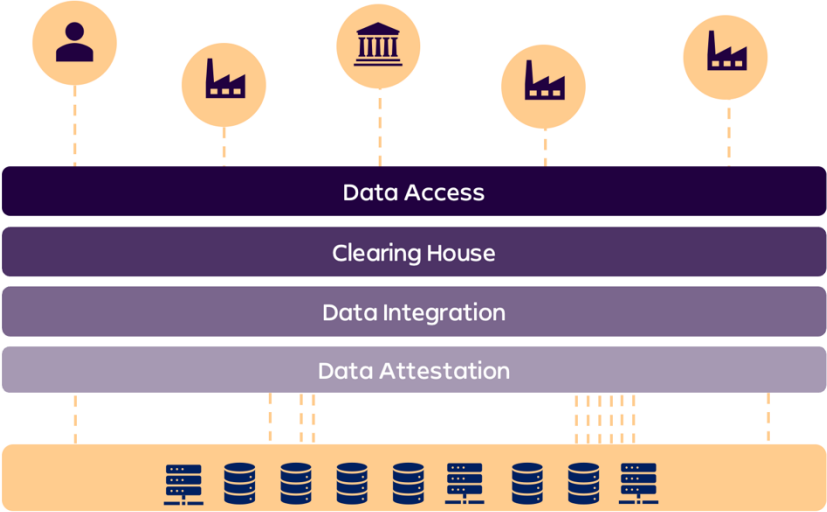
1 million
transactions



Public and private sector data spaces



B2B Use Cases



Accelerate **real estate** transactions



Avoid damage to **cables and pipes** during road works



Less hindrance during road works and other occupations of public domain (GIPOD)



Optimized sharing of **death declaration data**



Strengthening the energy grid in view of the **energy transition**



A high performance **logistics chain** through better data sharing between ports and inland shipping

Sectors where Athumi is working on new data collaborations



Real Estate



Energy



Health



Education



Media



Utilities



Skills



Construction



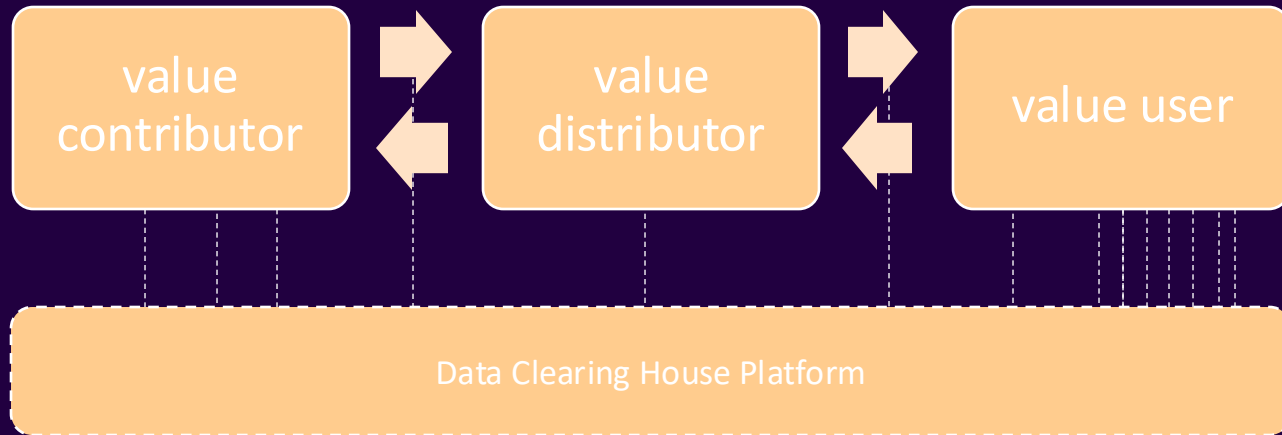
Mobility



Logistics



Business model and monetisation



Making **more** data
more usable
for **more** companies





Keynote

Key learnings from Data Week 2024: can we unlock data and AI in Europe?



Ana Garcia Robles

Secretary General

Big Data Value Association (BDVA)

Key learnings from Data Weeks 2024: can we Unlock Data and AI in Europe?



Join us
in Luxembourg!

Go-to place for the future of Data and AI in Europe



BDV

BIG DATA VALUE
ASSOCIATION

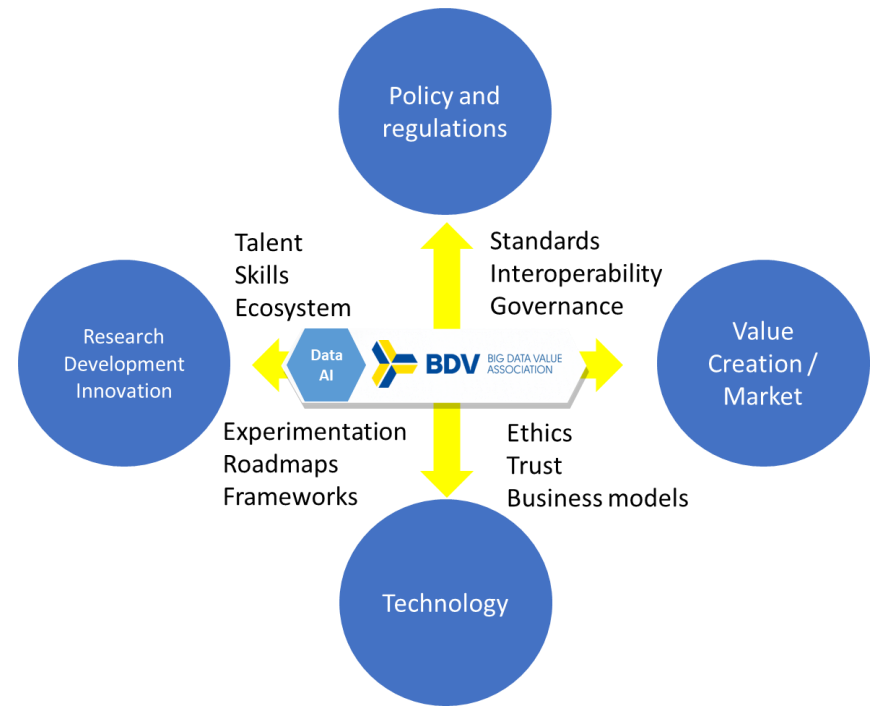
What is guiding us ?

To boost Data and AI innovation and data value creation for business, citizens and the environment

To foster excellence in Data and AI research for competitiveness

To develop the innovation ecosystem that enables and accelerates Data and AI economy with European values and focus but global impact and ambitions

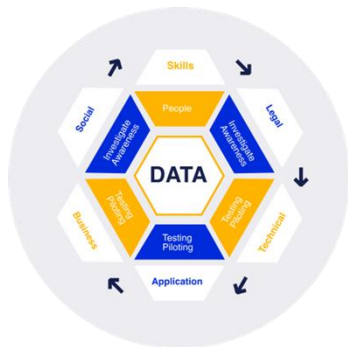
To lead and be at the forefront of the dynamic change that Data and AI brings to business, public sector and society



International non-profit association
Industry-driven
research and innovation Data/AI community
with over **250 members** all over Europe.



BDVA Strategic Agenda to guide industrial sectors



Empowering European industries and societies for a human-centric digital future



Expanding data-driven ecosystems across sectors and (global) value chains



Making data and AI innovations fit for emerging infrastructures and platforms



Sustainable data and AI: enhancing efficiency and resilience while reducing resource demands



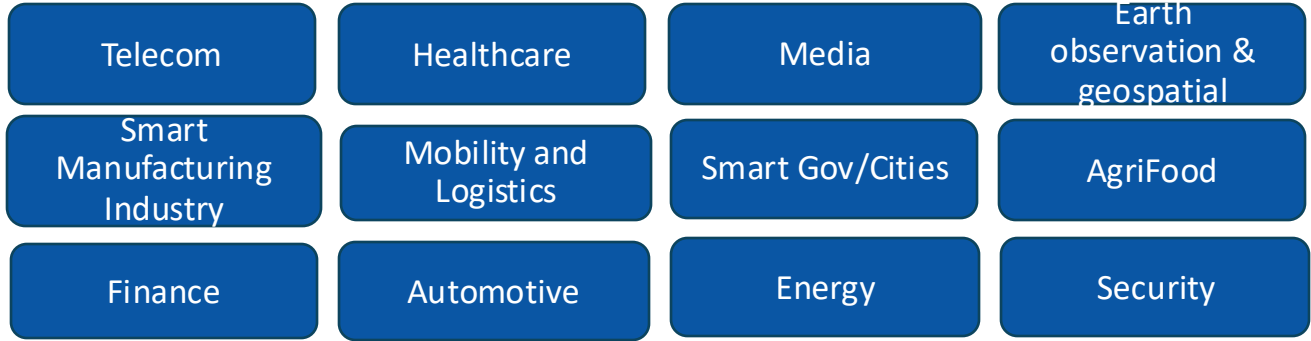
Integrating innovation, ethics and compliance

<https://bdva.eu/docs/bdva-strategic-agenda-2024/>

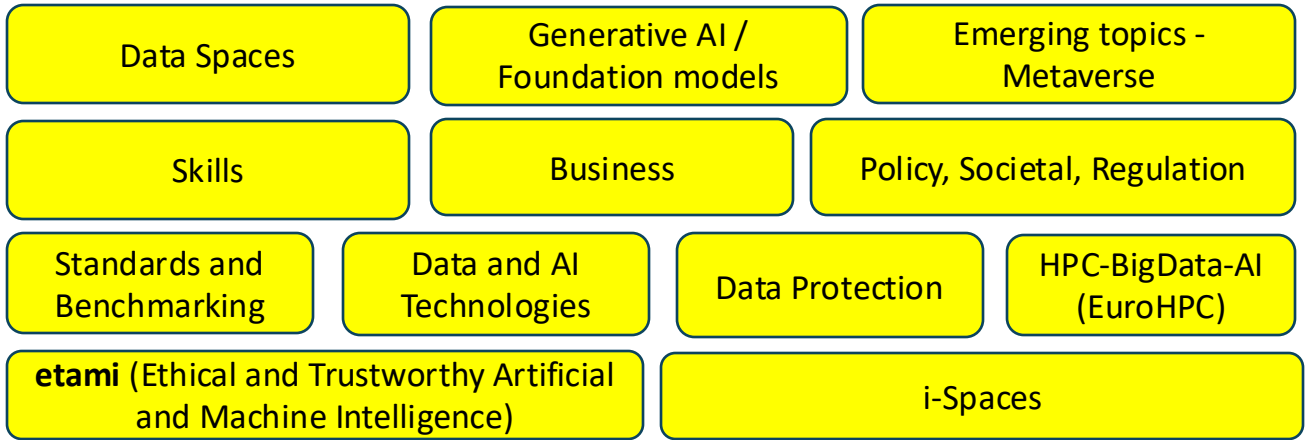


BDVA Task Forces structure

Sectoral Task Forces



Cross-sector Task Forces



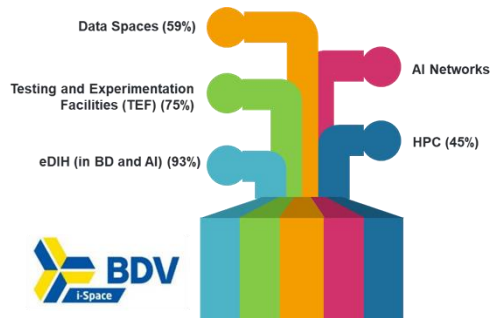
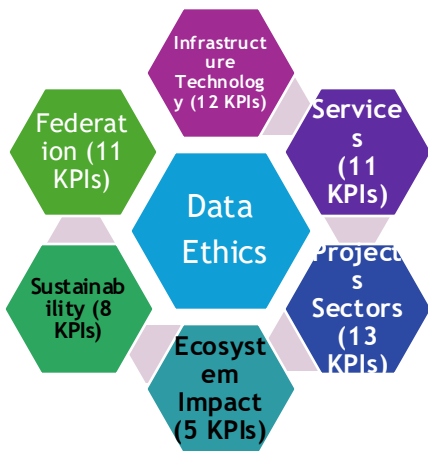
Community / Ecosystem (incl. engagement of SMEs/startups)

Technical Board (TB)

Roadmap, Strategic Agenda and Programme



Data and AI experimentation to unlock Value



DATAWEEK
JOIN.LEARN.SHARE.GET VALUE



IN COLLABORATION WITH



Netcompany



DATAWEEK²⁴

JOIN.LEARN.SHARE.GET VALUE

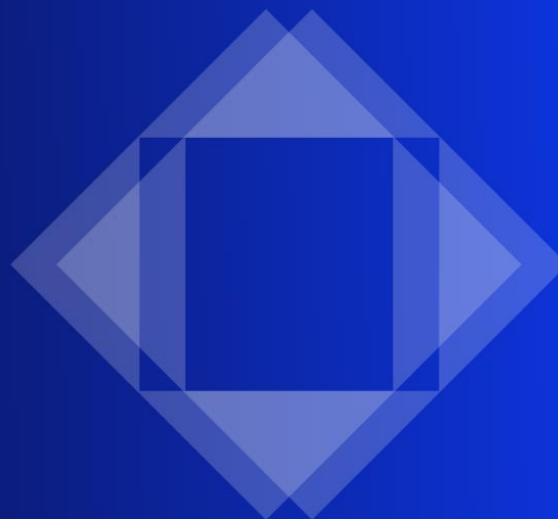
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Data Value UNLOCKED!

12 March / Darmstadt, Germany

5 June / Leuven, Belgium

10 December / Luxembourg



Key topics in Data Week 2024

Advancing data quality: diving deeper and exploring new dimensions	Generative AI and Virtual Worlds: Shaping Tomorrow's Media	Data for Sustainability
Data Value creation	AI Act Implementation: spotlight on human oversight	Synthetic Data
Generative AI needs trustworthy Data	Building a European community of experts on AI Regulatory Sandboxes	Data-driven and Automated Compliance

Generative AI - BDVA Member's Experience	Engaging SMEs and Start-ups in Data Spaces	AI Act Implementation and AI ethics (etami)
Data Value - Application in Data Spaces	AI Testing and Data Spaces	Data Spaces and Digital Twins
Data monetisation	HPC meets the demands of AI and Data	

Automated and data-driven approaches to address compliance challenges

AI-ready Data Products

Manufacturing Data Spaces, as the Data Infrastructure for advanced AI applications

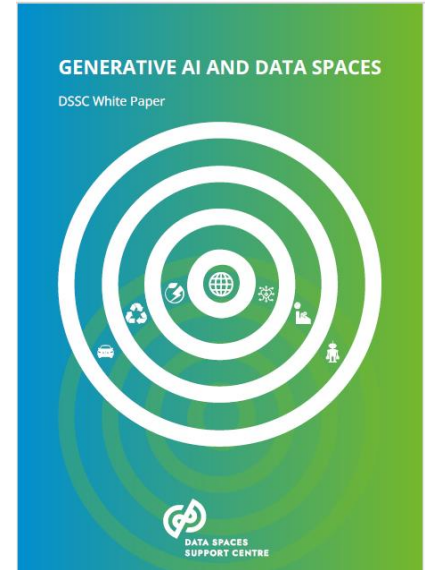
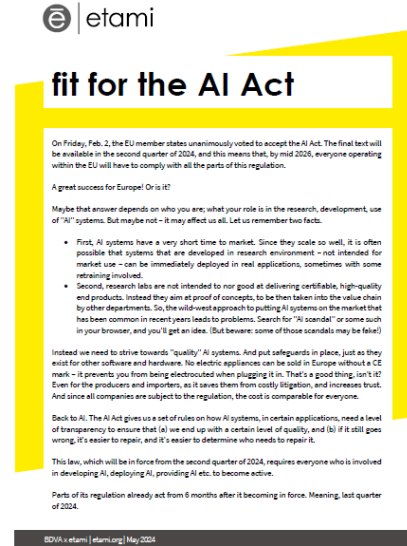
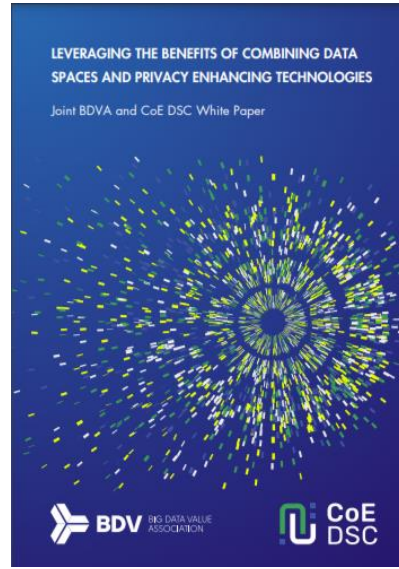
Unlocking innovation through synthetic data: Hands-on approaches leveraging community collaboration for impactful experiments

Building the Future of Decision-Making: Human-AI Collaboration, Trust and Compliance in the Age of AI

Manufacturing Data Spaces, as the Data Infrastructure for Digital Product Passports



Latest publications linked to the BDVA framework



Data and AI collaborations

Data Strategy



AI Strategy



Digital Transformation and Digital Decade



Value for members



European Ecosystem Projects

Network of Collaborations

BDV cPPP



430 M€ public and
2,26 B€ private
investment

AI, Data and Robotics Partnership



EuroHPC JU



Data Spaces Business Alliance (DSBA)



INTERNATIONAL DATA SPACES ASSOCIATION

gaia-x



Other collaborations



Standard.
Bodies...

Data Spaces Business Alliance

Unleashing the Data Economy



INTERNATIONAL DATA
SPACES ASSOCIATION



FILTERS

Name

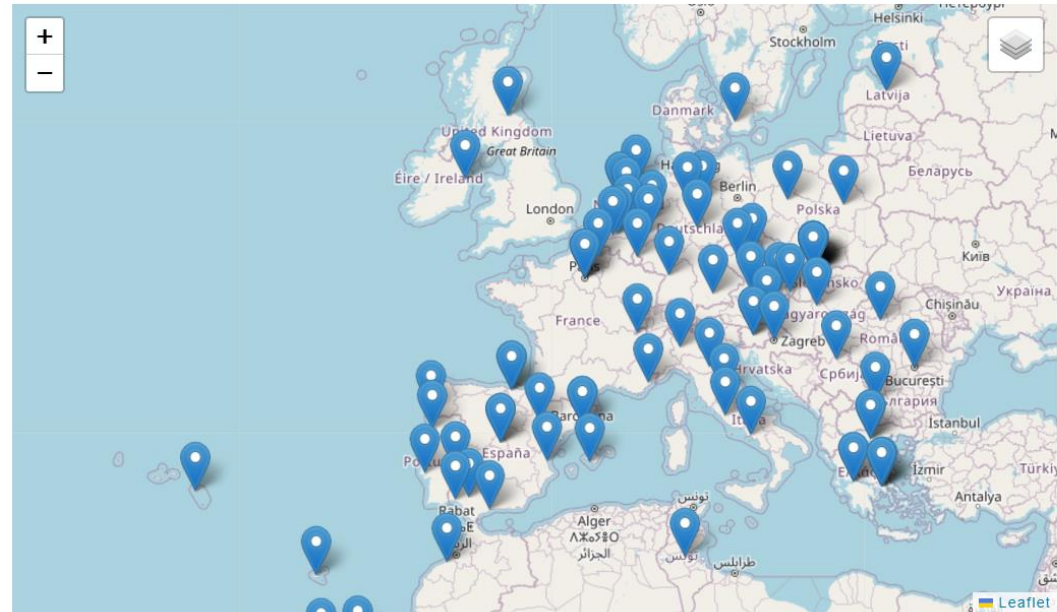
Networks

- BDVA iSpace
- FIWARE iHub
- Gaia X
- IDSA Hubs & CC

Sectors

- Aerospace
- Agriculture / Agrifood
- Cultural heritage
- Energy
- Finance
- Geoinformation
- Green Deal/Circular Economy
- Health
- Language
- Logistics
- Manufacturing
- ...

HUBS MAP



Key learnings from Data Weeks 2024: can we Unlock Data and AI in Europe?



Join us
in Luxembourg!

Thank you!

Ana García Robles
Secretary General BDVA
ana.garcia@bdva.eu

<https://www.bdva.eu/>



www.bdva.eu



Keynote

**The EU data strategy:
What have we achieved?
What's still out?**



Malte Beyer – Katzenberger

Policy Officer

European Commission Directorate
General for Communications Networks,
Content and Technology (DG-CONNECT)



The EU data strategy

What have we achieved?

What's still out?

Malte Beyer-Katzenberger,
European Commission, DG CONNECT

Luxembourg Data Summit 11 December 2024

Using data is a good thing...
... in general
Re-using existing data, too

But as everything can be digital data, 'data law' quickly becomes the 'law of everything'

Your data – my data – her data



Data spaces

Data intermediaries

Data access and portability

Fair data contracts

A competitive market for cloud infrastructures

And how it all hangs together

Data spaces:

12 data spaces funded – Gaia-X ecosystem taking off (somewhat)

Data intermediaries:

Data Governance Act – intermediary regulation – review upcoming

Data access and portability: DMA, Data Act, FIDA

Fair data contracts: Data Act (chapter IV)

A competitive market for cloud infrastructures:

Data Act (chapter VI)

Whither next?

Mind those gaps

...who has suitable data?

...where is my GDPR legal basis?

...is that copyrighted content?

...am I infringing cartel law?

Mind those dependencies
Do you?
Should you?

Waiting for Henna



Thank you



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Panel discussion

From Data to AI in Europe: are we cruising?



Panel
From Data to AI in Europe:
are we cruising?



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AI in key figures

\$3,554 Trillion

NVIDIA market cap

<https://companiesmarketcap.com/nvidia/marketcap/>

300M

Weekly active users of OpenAI

<https://cnb.cx/3BeY4zu>

4500

AI companies in China

<https://english.news.cn/20241026/2b782d414ebd412eab6f61e6c4f02b45/c.html>

80.460

AI patents in China in 2023

<https://itif.org/publications/2024/08/26/how-innovative-is-china-in-ai/>





Walking Lunch

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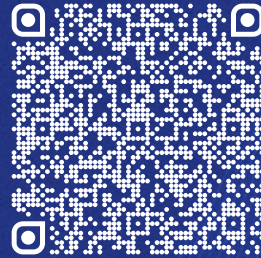




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