DATA SUMMIT LUXEMBOURG

From Data - To AI:
The journey to impact continues

02.12.2025

Organised By LNDS
LUXEMBOURG NATIONAL DATA SERVICE

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Lunch

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Welcome back!

DATA SUMMIT LUXEMBOURG

Agenda: Afternoon

13:00	**Industry panel & Responsible AI & Human Rights**
14:00	Coffee break
14:30	**Mobility, Statistics, Public, Energy domain updates**
15:30	Coffee break
16:00	**Luxembourg AI Factory**
17:00	Networking drinks
18:00	**End of the Data Summit 2025**

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PANEL

LUXEMBOURG AI FACTORY:
Bridging National and European AI Strategies

Moderator

Bert Verdonck
CEO
Luxembourg National Data Service (LNDS)

Panelists

Arnaud Lambert
CEO
LuxProvide

Mario Grotz
CEO
Luxinnovation

Peter Hinssen
Serial Entrepreneur, Best-selling Author, London Business School Lecturer

LUXEMBOURG AI FACTORY

HOW TO LEVERAGE THE EUROHPC NETWORK OF AI-OPTIMIZED SUPERCOMPUTERS AND ASSOCIATED AI FACTORIES TO STIMULATE INNOVATION AND AI ADOPTION

Co-funded by the European Union

EuroHPC Joint Undertaking

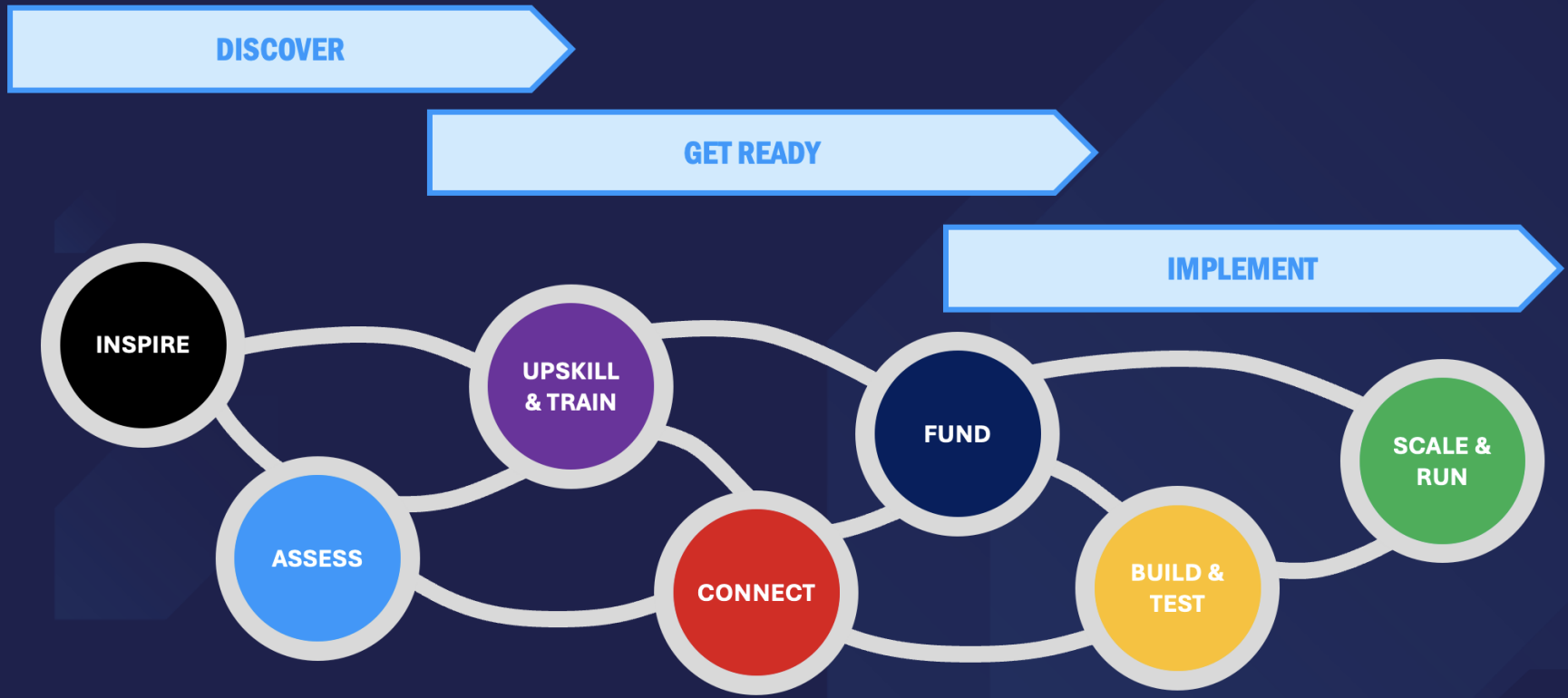
LUXEMBOURG AI FACTORY

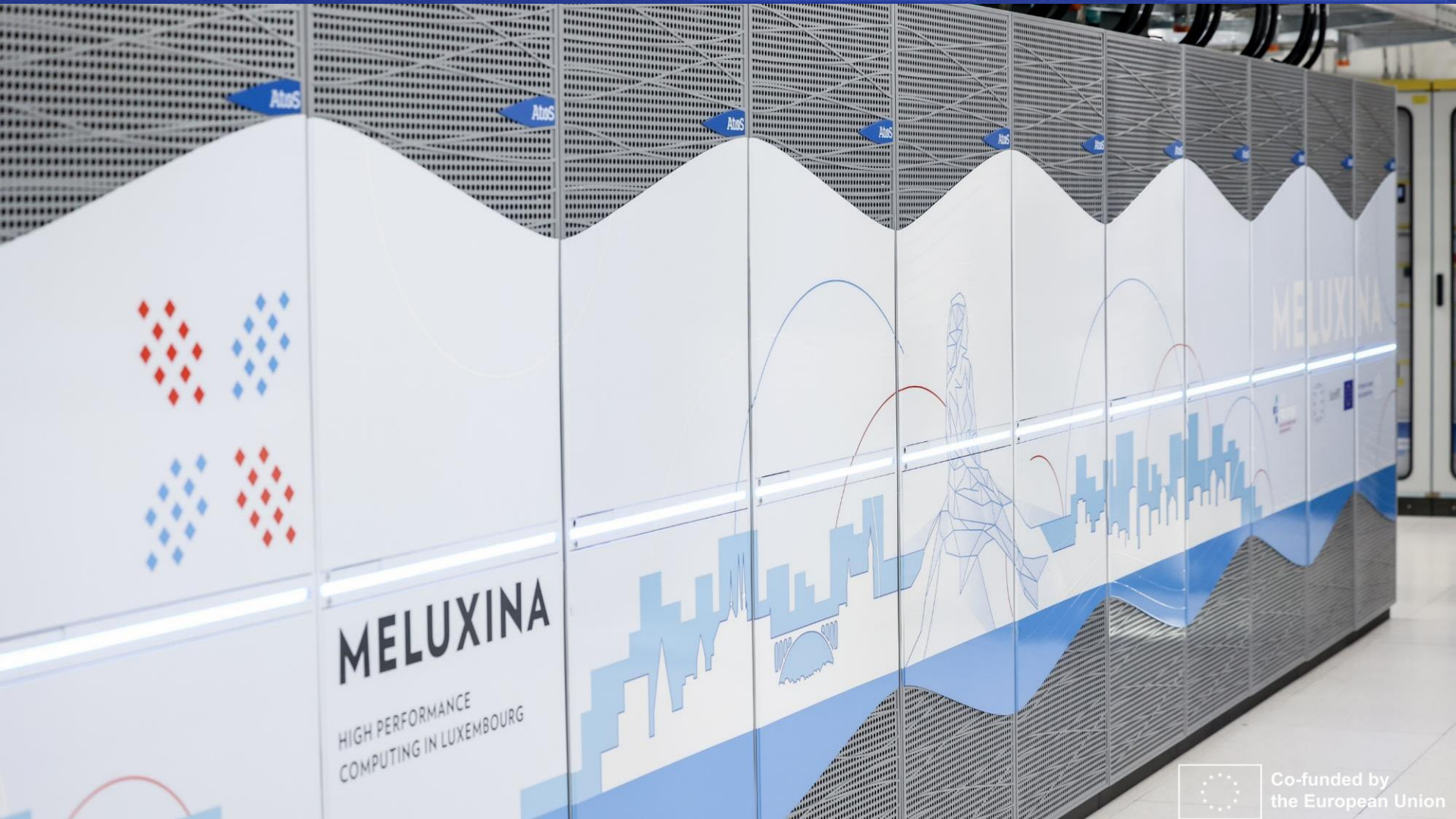
Consortium - Partners

LUX PROVIDE	Computing power, AI in HPC expertise
LUXINNOVATION	Ecosystem building, connection & promotion, assessment, support for funding, and project management
UNIVERSITÉ DU LUXEMBOURG	Education, AI research, trustworthy and robustness AI , research partnership
LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY LIST	Technology transfer experience, vertical AI expertise, EU network
LNDS	Data processing, data requirement and regulatory expertise

Accelerating Companies on their AI Journey

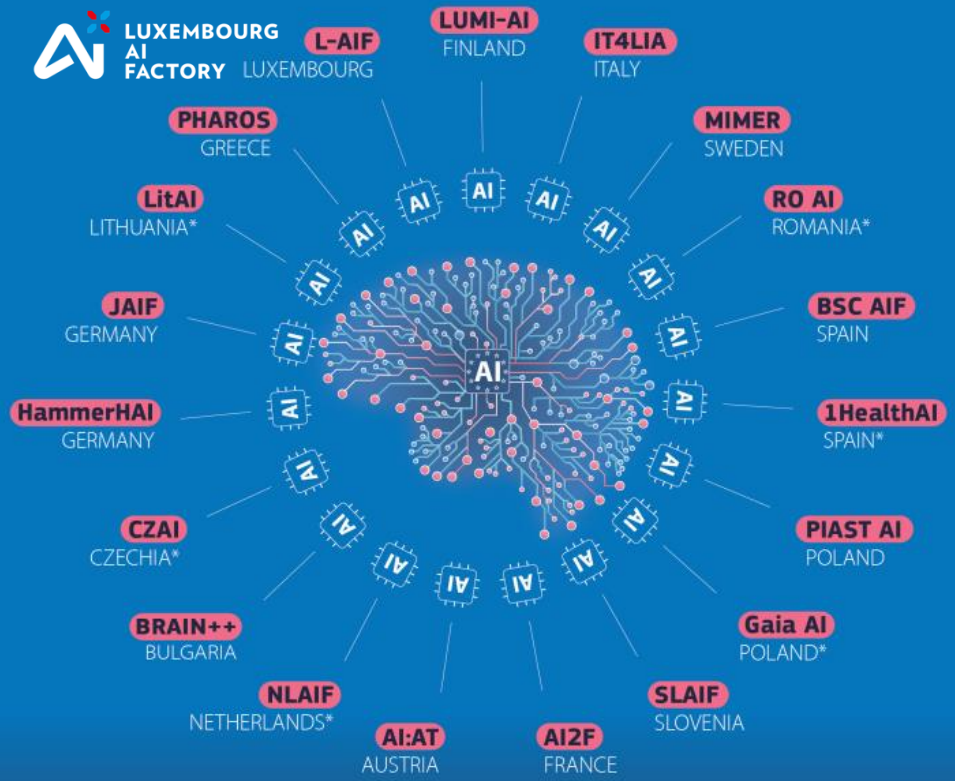
Service Catalogue




MELUXINA
HIGH PERFORMANCE
COMPUTING IN LUXEMBOURG
Co-funded by
the European Union

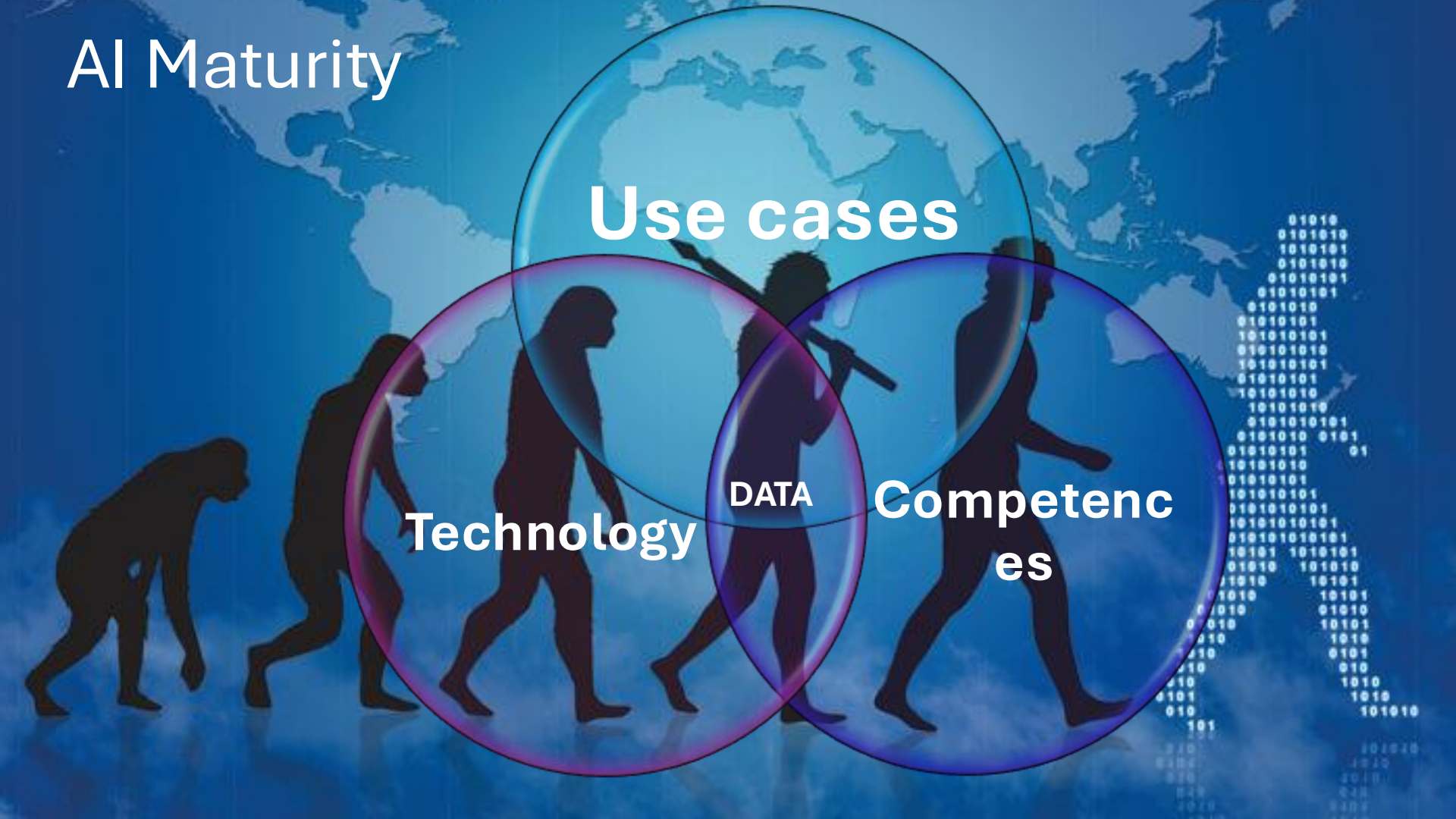
EuroHPC AI Factories

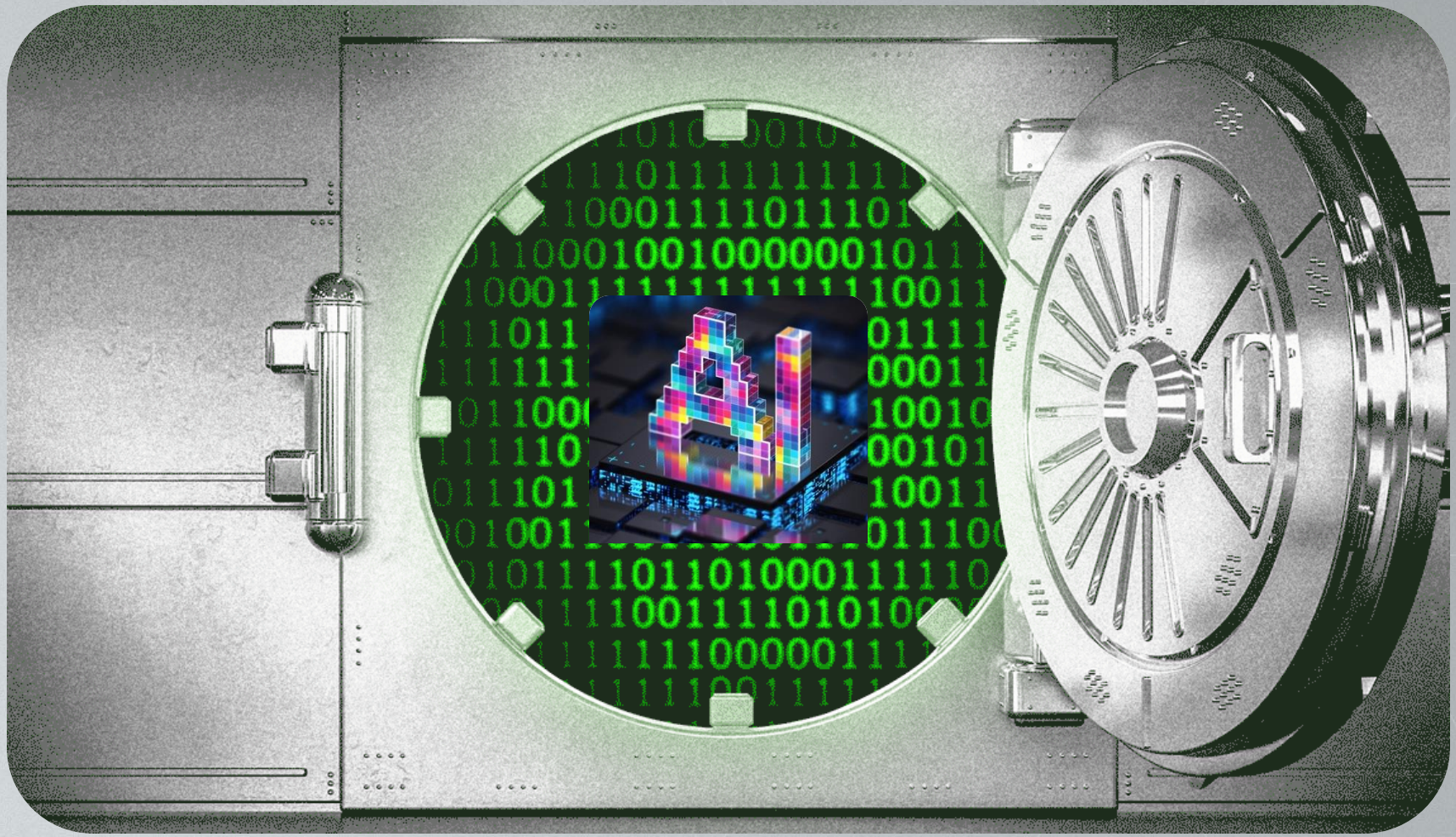
are ecosystems formed around supercomputers that will facilitate European startups, SMEs, and researchers, to develop AI as well as boost EU competitiveness and sustainable prosperity.



*Selected in October 2025

AI Maturity





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RESPONSIBLE AI BY DESIGN:
Translating the 2023 OECD Guidelines into everyday tech practice

Başak Bağlayan

Expert on Responsible Business Conduct
Ministry of Economy, Luxembourg

Responsible AI by Design

TRANSLATING THE 2023 OECD GUIDELINES INTO EVERYDAY TECH PRACTICE

2 DECEMBER 2025, DATA SUMMIT LUXEMBOURG

Disclosure	Human Rights	Employment & Industrial Relations
Environment	Consumer Interests	Science, Technology and Innovation
Combating Bribery and Other Forms of Corruption	Taxation	Competition

- First adopted in 1976, updated 6 times (latest in 2023)
- Most comprehensive international standard on RBC
- Unique implementation mechanism: National Contact Points
- Expectation of risk-based due diligence, aligned with other international RBC standards

- 2023 STI chapter: clarifies responsibilities for digital technologies and AI (use and misuse, data governance, digital security, children's rights)

Who is responsible in the AI value chain?

What is expected?

How does due diligence look in practice?

STI chapter: due diligence across the technology value chain

Create & enable AI	Design & build AI systems	Deploy & use AI
• Data and model providers • Cloud, infrastructure, chip providers • Investors financing AI development	• Developers and integrators of AI systems	• Public authorities, banks, hospitals, platforms • Law firms, marketing agencies, start-ups

Who is responsible in the AI value chain?

What is expected? Risk-based due diligence for AI

How does due diligence look in practice?

- Map where AI activities can cause, contribute to, or be linked to adverse impacts on people and the planet.
- Act to prevent and mitigate those impacts, using leverage in the value chain

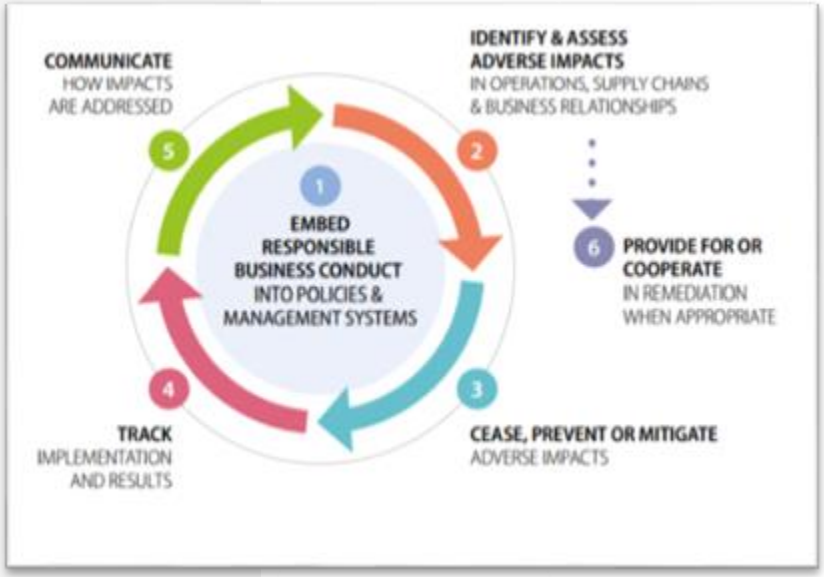
From …	To …
Is it legal?	**Is it responsible?**
We just build it	**We are also responsible for use and misuse**
We fix it with a policy	**We fix it in the design**
Ethics is a side document	**Responsibility across the lifecycle**

Who is responsible in the AI value chain?

What is expected?

How does due diligence look in practice?

- Identify & assess impacts
- Prevent & mitigate risks
- Track implementation & results
- Communicate how impacts are addressed
- Provide or cooperate in remediation



Thank you!

Başak Bağlayan

Luxembourg National Contact Point for Responsible Business Conduct, Ministry of the Economy

pcn@eco.etat.lu

OECD Due Diligence Guidance for Responsible AI – forthcoming (OECD)

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DATA, AI, HUMAN RIGHTS, AND INTERNATIONAL LAW IN A CONTESTED WORLD

Luc Dockendorf

Ambassador for Cybersecurity and Digitalisation
Ministry of Foreign and European Affairs, Luxembourg

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Coffee Break

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Data in Motion: Turning Complex Transport Data into Actionable Insights

Karthik Arumugam

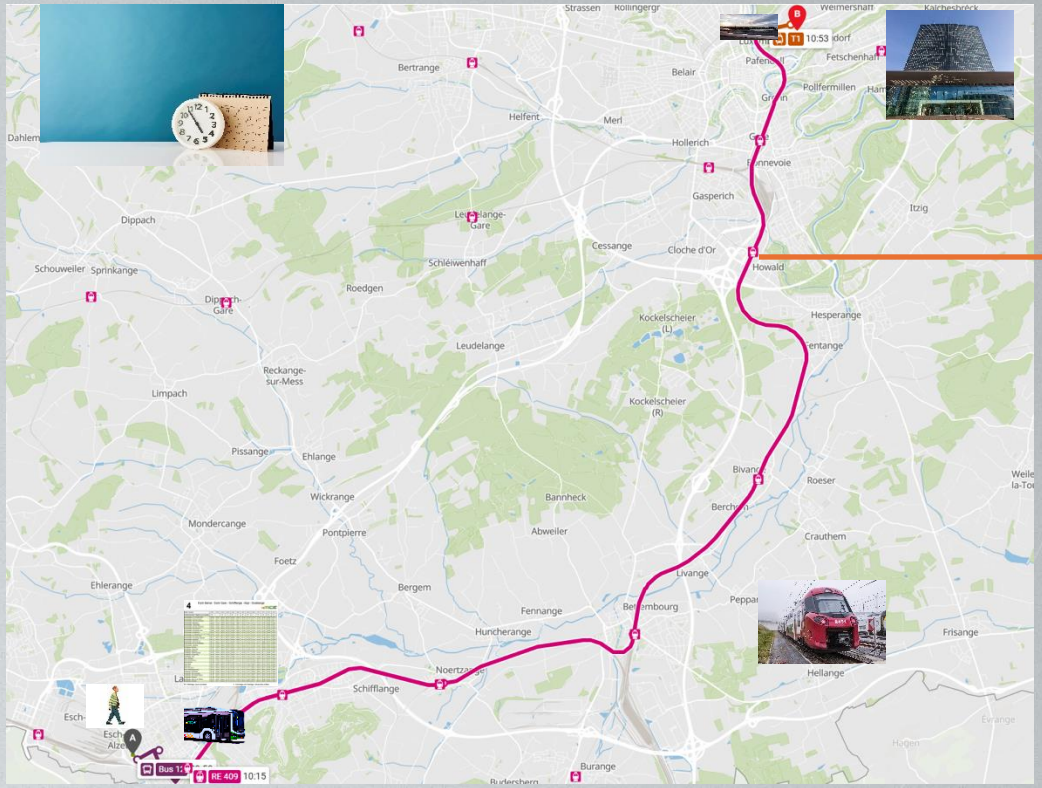
Data Manager
Luxembourg's Ministry of Mobility and Public Works (MMTP)

Data in Motion: Turning Complex Transport Data into Actionable Insights

Karthik Arumugam

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Mobilité
et des Travaux publics

Passenger travel experience – preparing the travel on the big day



1) On the day of event passenger prepares his /her travel on the transport authority website or on app.

2) He /She gets:

- Time to leave the home
- Planned connection status
- Planned traffic status
- Arrival scheduled time at destination

3) With the results, passenger decides the home departure time with enough margin to travel peacefully.

Thanks to

NeTEx
Network Timetable Exchange

Behind Every Journey

But **how do we, as mobility planners, create those schedules you rely on?**

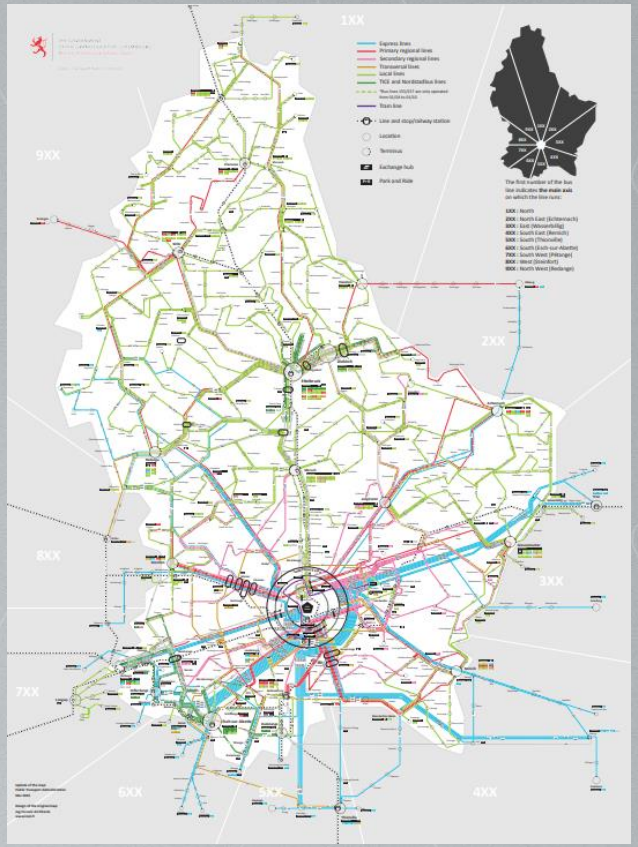
- **Time** - When do people travel?
  - Peak hours, off-peak patterns, seasonal variations
  - Service frequency, first/last departure times

- **Destination** - Where do people need to go?
  - Work centers, schools, hospitals, shopping areas
  - Connecting to other transport modes

- **Mode** - How will people get there?
  - Bus, train, tram, bike-share, walking
  - Capacity needed, vehicle types

- **Route Choice** - What's the best path?
  - Direct routes vs. connections
  - Stop locations, travel time, reliability

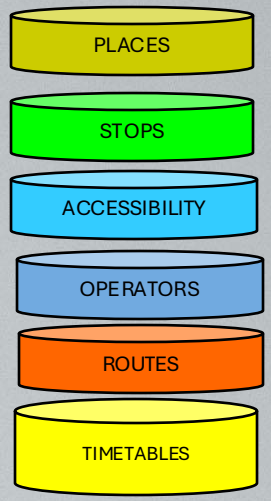
- **Demand** - How many people will use it?
  - Expected ridership, vehicle capacity planning

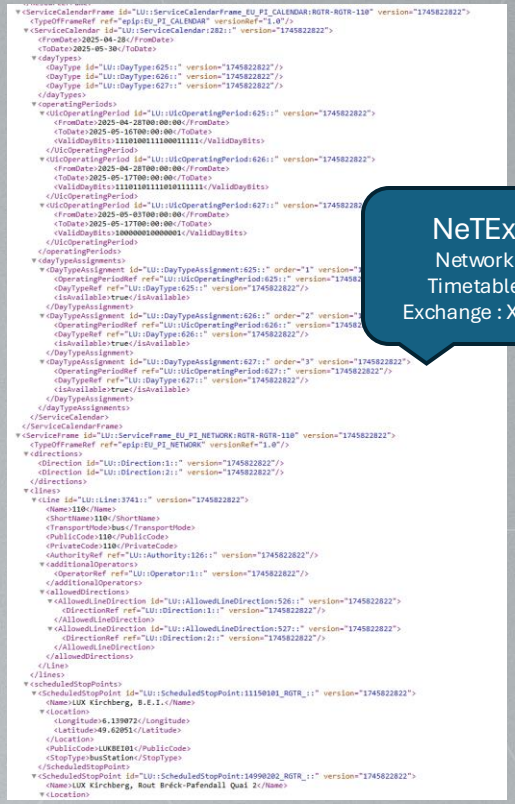


Combining Everything for Easy Journey Updates

In order to create useful information services, we need to integrate data

- of many different types: train times, bus routes, tram lines
- from many different providers
- that changes constantly : road works, events





Why we need historical NeTEx data

- **The question becomes: how do we actually use this data to support better mobility planning?**

Mobility Planning: Helping decision makers understand what's working (and what's not) so they can make better choices about improving public transport.

- Planning for the future (but predictions aren't perfect)
- Balancing quick wins with long-term goals

Our Mission: Luxembourg's open data portal has ~2 terabytes of NeTEx files spanning 6+ years of scheduled timetable data. We want to unlock this archive to track how planned schedules evolve and find stable reference points* for mobility planning analysis.

*data stays mostly the same or close enough over time and serves as a foundation for building timetables (schedules)

From Problems to Solutions: Building the Data Pipeline

Too Detailed, Too Slow
NeTEx has everything… which means it takes forever to process and understand

Constant Changes
Regular updates and season changes mean we're always playing catch-up

Messy Data
Even good systems produce inconsistent formats, missing info, and layout surprises

Finding the Right Baseline
We need a stable reference timetable to compare against. Tried using day 1 after a schedule change – but timetables keep shifting for days or weeks after "launch"

OdM + LNDS Solution

Building a **robust data pipeline** that handles large volumes of NeTEx files automatically

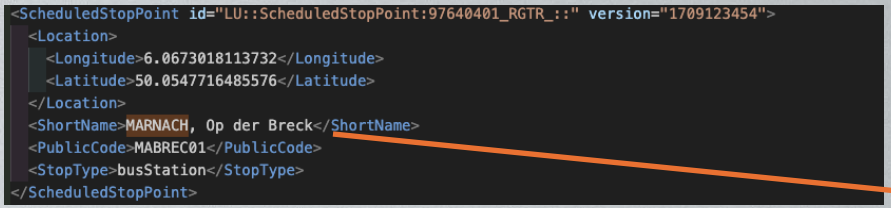
What This Means

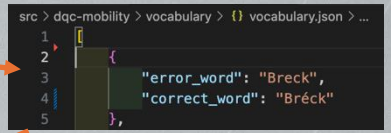
- Less manual work, more automation
- Faster turnaround for timetable updates
- Better data quality for planning decisions

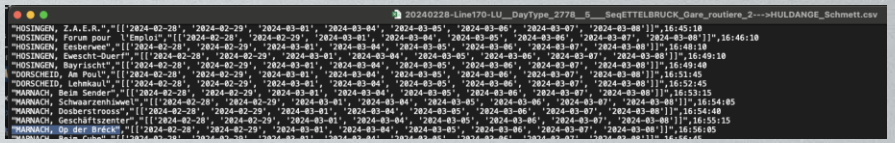
What We Achieved: Turning Months into Minutes

- Automated NeTEx Processing Summary
- Input: 799 NeTEx files (2024–2025 for 14 bus lines, ~1 GB total)
- Historical Panel: 61.6 MB PARQUET file
- Processing Time: ~25 minutes total → ~2 NeTEx files per second
  (Speed varies by file size, number of stops, journeys, and day types)

- Manual Validation Benchmark
- Manual review (matching journeys, stops, dayTypes, public codes): ~2 hours per file
- Estimated manual effort for 799 files: 2–3 hours × 799 = 1,600–2,400 hours







Simplified input → output workflow

Input: NeTEx

input_116_NeTEx_to_CSV_validation > NX-PI-01_LU_NAP_LINE_RGTR-RGTR-116_202402

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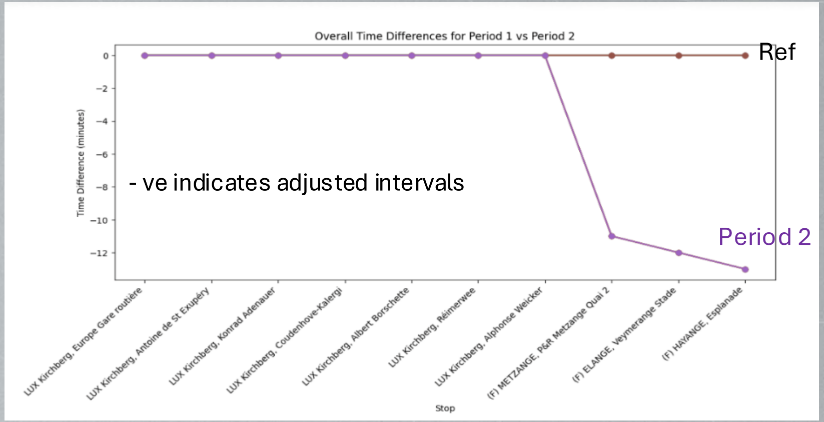
Validation (Dictionary) + Transformation + Analysis and Reporting

Outputs: Timetables + Analysis Report

Period ID	Service Date	Bus Line	Transport Type	Day/Journey Type	Direction	Service Journey	Country	Stop	Previous Stop	Next Stop	Day Type	Arrival Time	Departure Time	Stop Number in Journey	Stop Duration [min]	Trip Duration [min]
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	ETTELBRUCK, Gare routi√	---	ETTELBRUCK, Ancienne C	Mixed	4:45:00	4:45:00	1	0:00	
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	ETTELBRUCK, Ancienne C	ETTELBRUCK, Gare routi√	ETTELBRUCK, LTEtt Gare r	Mixed	4:46:35	4:46:35	2	0:00	1:35
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	ETTELBRUCK, LTEtt Gare r	ETTELBRUCK, Ancienne C	ETTELBRUCK, Centre Hos	Mixed	4:48:15	4:48:15	3	0:00	1:40
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	ETTELBRUCK, Centre Hos	ETTELBRUCK, LTEtt Gare r	WARKEN, Chapelle	Mixed	4:49:15	4:49:15	4	0:00	1:00
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, Chapelle	ETTELBRUCK, Centre Hos	WARKEN, rue Bourschterl	Mixed	4:49:55	4:49:55	5	0:00	0:40
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, rue Bourschterl	WARKEN, Chapelle	WARKEN, Cit√© Boursch	Mixed	4:51:15	4:51:15	6	0:00	1:20
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, Cit√© Boursch	WARKEN, rue Bourschterl	WARKEN, Waarkdall	Mixed	4:51:55	4:51:55	7	0:00	0:40
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, Waarkdall	WARKEN, Cit√© Boursch	WARKEN, Waarkdall 6	Mixed	4:53:05	4:53:05	8	0:00	1:10
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, Waarkdall 6	WARKEN, Waarkdall	WARKEN, rue de Welsche	Mixed	4:54:05	4:54:05	9	0:00	1:00
2024-02-14	2/14/24	115	RGTR	1153	ETTELBRUCK_Gare_routi√®re_2--->COLMAR-BERG_ZI_	17633731_0	LU	WARKEN, rue de Welsche	WARKEN, Waarkdall 6	WARKEN, Centre d'Educa	Mixed	4:55:15	4:55:15	10	0:00	1:10



Stop	Comparison [min]	17665284	17665283	17665282	17665281	17665280	17665279	17665268	17665267	17665266	17665265
LUX Kirchberg, Europe Gare routière	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Antoine de St Exupéry	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Konrad Adenauer	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Coudenhove-Kalergi	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Albert Borschette	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Réimerwee	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
LUX Kirchberg, Alphonse Weicker	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
(F) METZANGE, P&R Metzange Quai 2	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	-11:00	-11:00	-11:00	-11:00
(F) ELANGE, Veymerange Stade	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	-12:00	-12:00	-12:00	-12:00
(F) HAYANGE, Esplanade	Period 1 sv Period 2	00:00	00:00	00:00	00:00	00:00	00:00	-13:00	-13:00	-13:00	-13:00

Why This Matters for Mobility Planning

- **Understand Planning History:** See how schedules evolved, which strategies worked, and learn from past decisions
- **Identify Patterns & Trends:** Discover seasonal patterns, complexity management, and resource allocation trends
- **Validate Planning Approaches:** Test if planned network changes were maintained or reversed over time
- **Make Better Decisions:** Use historical evidence to guide future planning with confidence

The bigger picture: This isn't just about processing files faster. It's about answering the question: **"Are we planning better networks than we used to?"** Historical NeTEx data reveals planning competence, strategic priorities, and institutional learning – independent of operational performance.

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SYNTHETIC DATA FOR OFFICIAL STATISTICS : Lessons from Luxembourg's Census

Claude Lamboray

Head of the Methods and Quality team of the Datalab
The National Institute for Statistics and Economic Studies (STATEC)

STATEC

Synthetic Data for Official Statistics: Lessons from Luxembourg's Census

- Claude Lamboray

- **Synthetic data means creating a new data set that:**
    - Mimics the properties of an initial data set
    - While preserving privacy

- **Explore the potentials of synthetic data generation for official statistics**
    - Most impactful use cases
    - Recommended methods
    - Available tools

- **Test the approach on data from the 2021 Luxembourg census**
- Focus on key demographic variables
    - Age, sex, economic status, education, occupation, industry, and language
- Integrate data validation rules
    - Validation rules to ensure coherent and unbiased data
- Take into account data characteristics
    - Ordinal scales and missing data

- Create Synthetic Data with Synthpop (R Package)

- Use decision trees (CART) to model patterns in real data
    - Good compromise between utility and privacy
    - Transparent and explainable method
    - Customize parameters to improve results

- **Follows best practices used by other National Statistical Institutes**

- Synthetic data preserves the statistical properties of the original data
    - Univariate distributions
    - Joint distributions
    - Multivariate analysis

- Privacy of synthetic data is ensured
    - No replication of unique records
    - Pre-processing of source data (e.g. pseudonymization, age grouping)

- **Synthetic data as one approach in the data protection toolkit**
    - Make synthetic data accessible
    - Develop governance processes as part of a broader data strategy

- **Extend approach to other types of data**
    - Longitudinal data
    - Nested data

STATEC

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et des études économiques

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Statistiques.lu

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PANEL

FROM PAPER TO AI:
Unlocking Legal Intelligence with AI

Moderator

Bert Verdonck
CEO
Luxembourg National Data Service (LNDS)

Panelists

Dr. Romain Martin
Senior Government Advisor
Ministry of Research and Higher Education, Luxembourg

Patrick Houtsch
Director
Centre des Technologies de l'Information de l'État (CTIE)

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INSIEME : Together Towards the Common European Energy Data Space

Prof. Dr. Olivier Hödl

Project Coordinator
INSIEME

INSIEME

TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

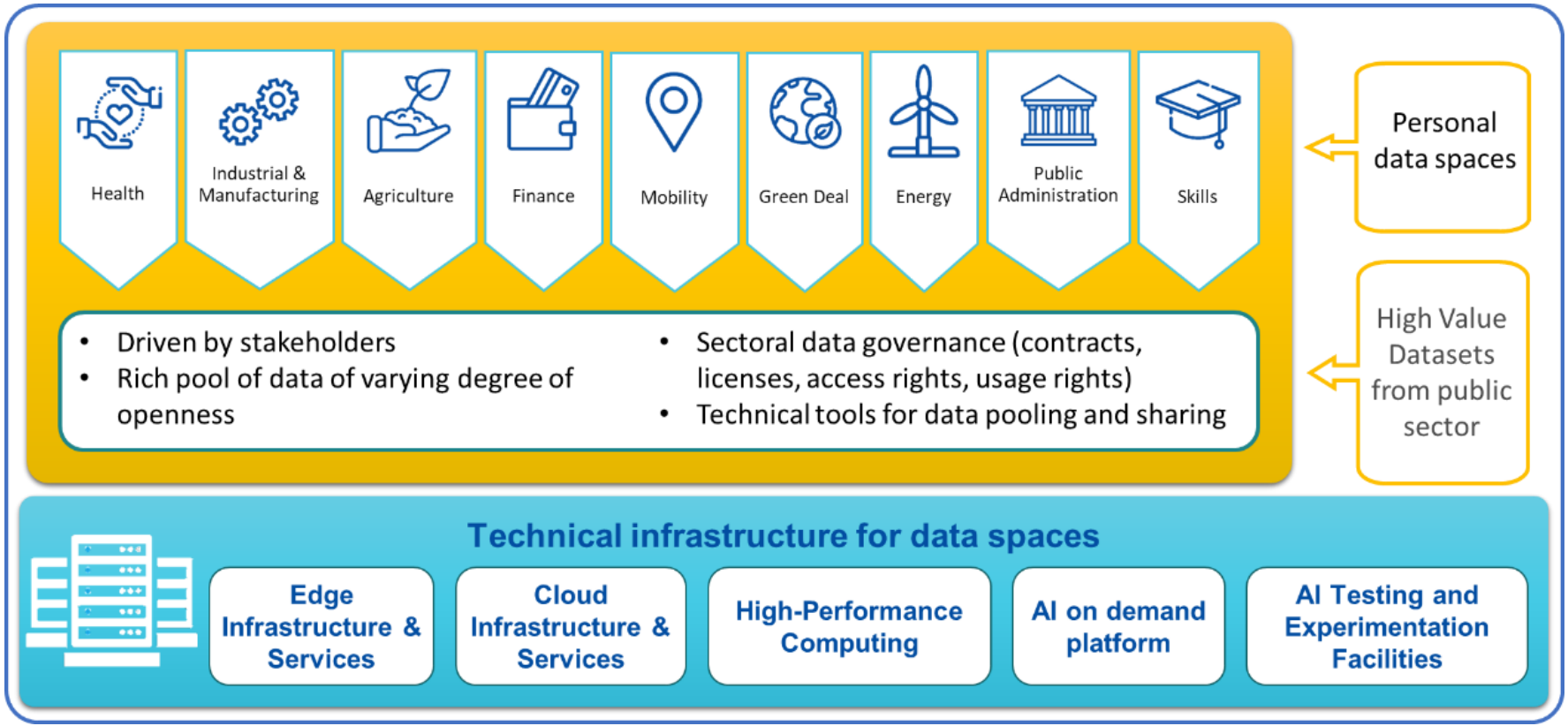
Insights from a Data Space Project

- Prof. Dr. Oliver Hödl
- Project Coordinator

- Data Summit Luxembourg, 2nd December 2025

This work has been co-funded by the European Union's Digital Europe Programme under grant agreement No. 101194952.

• COMMON EUROPEAN DATA SPACES



Source: https://digital-strategy.ec.europa.eu/en/library/building-data-economy-brochure

INSIEME = Together

Together instead of national nutshells

A Common European Energy Data Space (CEEDS) in full respect of the European principle of subsidiarity as a minimal invasive and slim federation service

INSIEME

TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

Data Space "by the Sector for the Sector"

54 Partners from 15 EU Member States

16 Mio. EUR Budget

(8 Mio. EUR Co-funding from the *Digital*

14 Deployments in 16+ European countries

Coordination:

FH OBERÖSTERREICH UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA

April 2025 – March 2028

Idea and Enterprise Architecture:

EntArc.eu Enterprise Architecture

DIGITAL4GRIDS DECARBONIZING ENERGY SYSTEMS

- EMERGED FROM THE MOST RELEVANT NATIONAL AND EU INITIATIVES

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

EDDIE
EUROPEAN DISTRIBUTED DATA INFRASTRUCTURE FOR ENERGY

Enershare

EDSN
energiedata voor iedereen

eclipse

ENEDIS

datadis

ENERGINET

omega-x

SYNERGIES

ONENET
one network for Europe

DATA CELLAR

EDA
energie wirtschaftlicher datenaustausch

• THE CONSORTIUM

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

1. University of Applied Sciences Upper Austria (FHOOE); FH OO FORSCHUNGS & ENTWICKLUNGS GMBH (FHOOE)
2. ENEDIS
3. EUROPEAN RENEWABLE ENERGIES FEDERATION (EREF)
4. ETRA INVESTIGACION Y DESARROLLO SA
5. DIGITAL4GRIDS
6. ENERCOUTIM - ASSOCIACAO EMPRESARIALDE ENERGIA SOLAR DE ALCOUTIM
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12. EDA ENERGIEWIRTSCHAFTLICHER DATENAUSTAUSCH GMBH
13. VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.
14. CUERVA ENERGIA SLU
15. FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG EV
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17. COPENHAGEN BUSINESS SCHOOL
18. EUROPEAN UNIVERSITY INSTITUTE
19. EUROPEAN DISTRIBUTION SYSTEM OPERATORS FOR SMART GRIDS
20. ALLIANDER NV
21. Expert Modeller
22. SUITE5 DATA INTELLIGENCE SOLUTIONS LIMITED
23. AUSTRIAN POWER GRID AG
24. TAURON DYSTRYBUCJA SPOLKA AKCYJNA
25. Operator Klastra Energii Sp. z o.o.
26. EnliteAI GMBH
27. ADAION SMART GRID SOLUTIONS SL
28. Luxembourg National Data Service (PNED GIE)
29. VOLVO TECHNOLOGY AB
30. STATISTISKA CENTRALBYRAN
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49. STATNETT SF
50. EWII A/S
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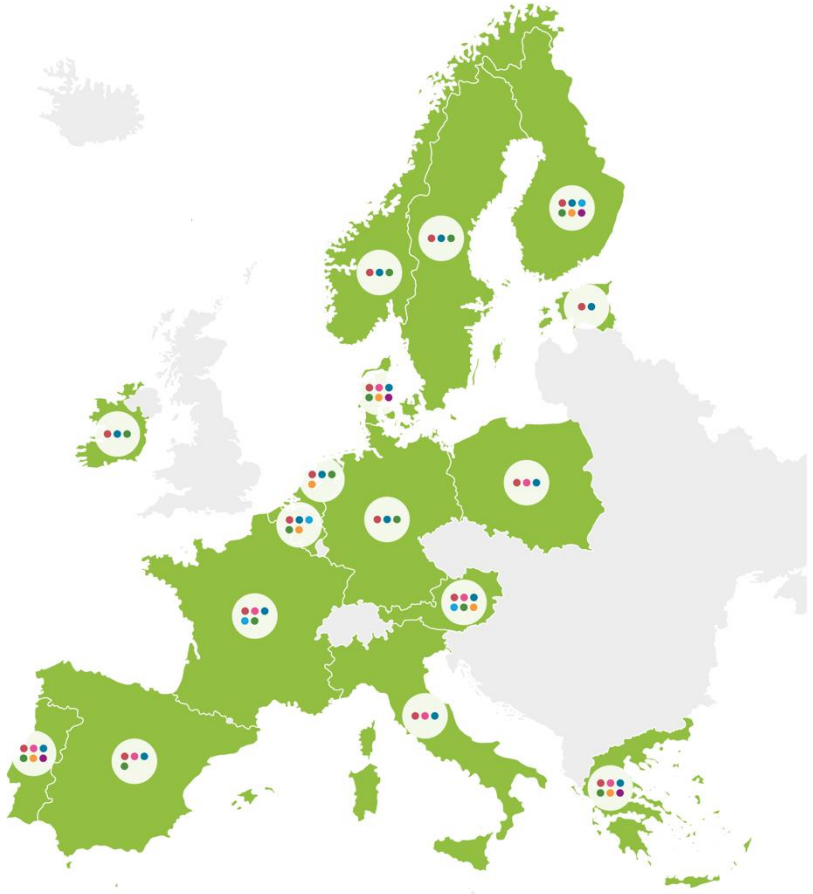
53. ELIA TRANSMISSION BELGIUM
54. TREFOR EI-NET A/S
55. Litgrid
56. Vattenfall AB R&D

- INSIEME SOLUTION DEPLOYMENTS IN 16 EUROPEAN COUNTRIES

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

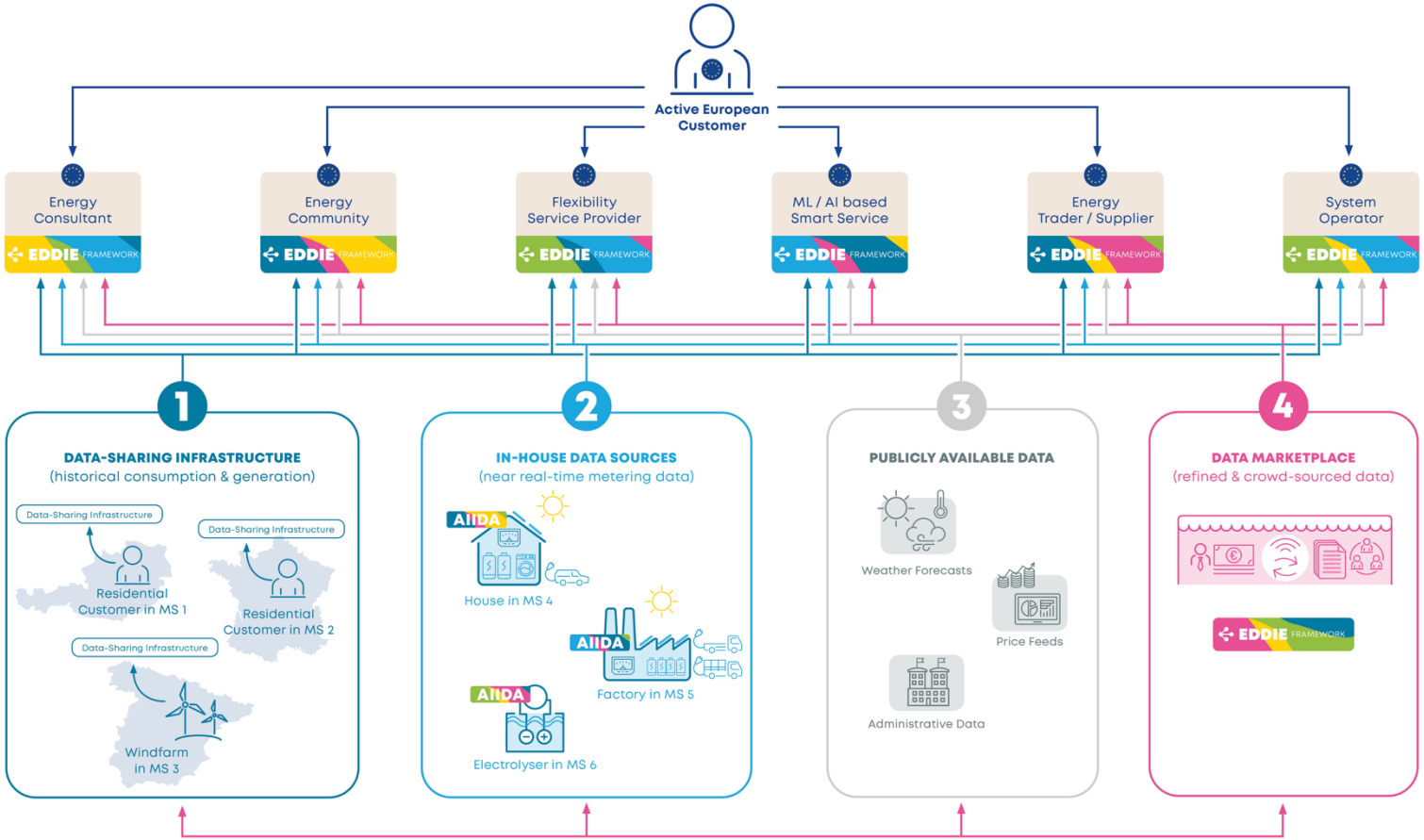


Coverage & Use Cases

1. Energy Efficiency and Flexibility Management
2. Collective Self-Consumption
3. Grid Flexibility Services
4. Electromobility
5. Renewables Integration
6. Networks and Integration Planning
7. Smart Sector Integration

• THE COMMON EUROPEAN ENERGY DATA SPACE AS A “SET OF COMMON APIS”

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE



- EUROPEAN REFERENCE MODELS / COMMON LANGUAGE

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

Reference model for *Collective Self-Consumpti*

change.

Context/ Whereas

(1) It was identified that it is advantageous for data sharing and the eligible party working with
series refer to the metering point identifier and be independent from the underlying physical
underlying physical metering equipment is changed, the metering point identifier doesn't chan

(2) For the purpose of this act, 'accounting point master data' shall refer to: (1000)

Definitions

In this section, each term is defined:

- 'term1', in the context of this act, means ...

Responsibilities of Market Roles

In this section the responsibilities of each market role should be described.

Responsibilities of energy community operators

1. Metering point administrators shall make metering point master data available online to final customer
undue delay and whenever the final customer needs to access or share the data.
2. Metering point administrators shall ensure that final customers can access and make available to eligi
data and receive it in a structured, commonly used, machine-readable and interoperable format.

Responsibilities of metering point administrators

1. Metered data administrators shall ensure the smart treatment of all eligible parties

Relevant Roles

Role name	Role type	Role description
Final customer	Business	A party connected to the grid that purchases electricity for its own use. Please note, that this also includes the case of active customer.
Energy community operator	Business	A party organising and operating an Energy community, doing the settlement of services and - potentially - running an IT infrastructure supporting the fulfillment of these responsibilities.
Metering point admi		
Meter		
Self-c calcu		

Procedure 1 - Access to validated historical consumption data by the final customer

Step No.	Step	Step description	Info producer	Info consumer	Information exchanged
1.1	Identify data access provider	Final customers identify the data acces that is responsible for their metering p under consideration.			
1.2	Link final customer and metering point	Final customer finds out metering poi request data for.			

Annex

Table I contains information needed by eligible parties to set up for utilising connection point master data access in a Member State. It is primarily describing information that needs to be accessible for them to register, onboard or establish prerequisite infrastructure to take part in the procedures listed in Table II.

General Information

ID	Name	Description
I1	National competent authority	*Name* - Name of appointed national competent authority *Website* - Website of appointed national competent authority *Official contact* - Contact details for managing the mappings of national practices.
I2	National co-ordination instance	*Name* - Name of the national body intended to help ECs. *Website* *Email* *Phone* *Operational since* *no. as of now* *Comments*
I3	National regulatory basis for Jointly Acting Self-Consumers	*Implemented?* Yes/No *Reference* - to national law *URL* - weblink to national law *Operational since* *no. as of now* *Comments*

• INSIEME AS A REALITY-CHECK AND SANITY-GATE

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

Network Code on Demand Response
- defines the WHAT

Data Interoperability Implementing Acts following Article 24 of Directive (EU) 2019/944
- streamlines the HOW and the way towards a single, digital and participative market

Data4Energy Expert Group
- tackles innovation and accompanies legislation to fill important gaps
- paves the way for the actual operationalisation of the CEEDS

INSIEME Project (as a reality-check and to prove-in-use regulation under development)
- extend, leverage and combine a federation of INT:NET data spaces
- deploy key twin transition digital instruments in a steamlined way across the Union
- pave the way for the final operationalisation of the Common European Energy Data Space

- INSIEME WITHIN THE EUROPEAN STRATEGY FOR DATA

INSIEME
TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

2020
European Strategy for Data

2022 – 2025
Design and evaluation of critical data space components

2025 – 2028
Deployment and final pilots for the CEEDS

2030
Operationalisation of the Common European Energy Data Space (CEEDS)

ONENET one network for Europe
Enershare
EDDIE EUROPEAN DISTRIBUTED DATA INFRASTRUCTURE FOR ENERGY
DATA CELLAR
omega-x
SYNERGIES

INSIEME TOGETHER TOWARDS THE COMMON EUROPEAN ENERGY DATA SPACE

Thank you

- https://insieme.energy
- office@insieme.energy

This work has been co-funded by the European Union's Digital Europe Programme under grant agreement No. 101194952.

DATA SUMMIT LUXEMBOURG

Coffee Break

DATA SUMMIT LUXEMBOURG

PANEL

LUXEMBOURG AI FACTORY:
Accelerating Companies on their AI Journey

Moderator

Fateh Amroune
Luxembourg AI Factory Lead
Luxinnovation

Panelists

Filipe Pais
CCSO
LuxProvide

Daniele Pagani
Lead Partnership Officer
Luxembourg Institute for Science and Technology (LIST)

Stefanie Östlund
Project Manager for Mega Trends
Faculty of Science, Technology and Medicine, University of Luxembourg

Christophe Trefois
Head of Technology
Luxembourg National Data Service (LNDS)

Luis Perez
CTO
Alize

Leonhard Kossmann
Founder and CEO
Fundvis

LUXEMBOURG AI FACTORY

Co-funded by the European Union

EuroHPC Joint Undertaking

Our Speakers

Panel Members

Moderator (LXI)

Fateh Amroune

Panelist (LXP)

Felipe Pais

Panelist (Uni.lu)

Stefanie Oestlund

Panelist (LIST)

Daniele Pagani

Panelist (LNDS)

Christophe Trefois

Accelerating Companies on their AI Journey

Service Catalogue

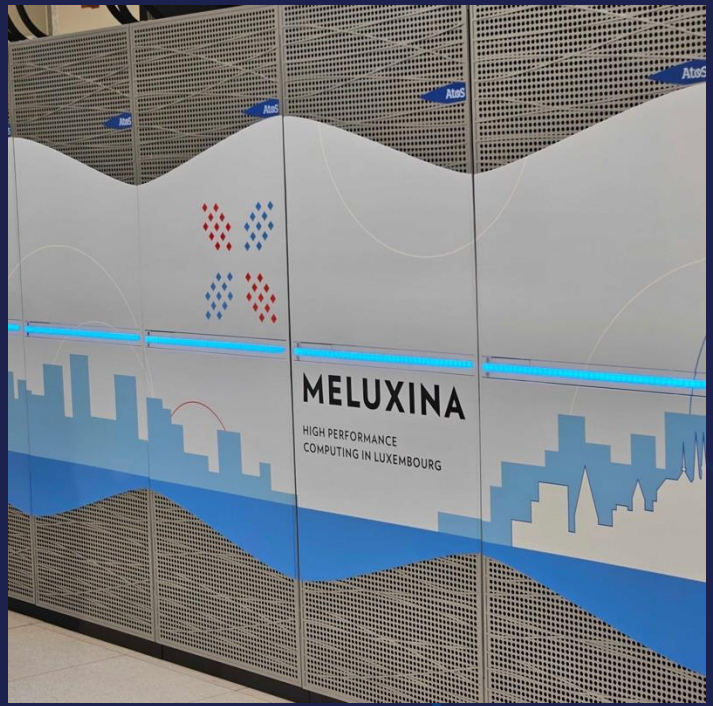
Our guests

Luxembourg Start-Ups

Luis Perez Sanchez
Co-founder & CTO
Alizé

Matthieu Detaille
CEO
Elora

Leonhard Kossmann
Founder & CEO
Fundvis



LUXEMBOURG AI FACTORY

TRUSTWORTHY AI MODELS

- HAVE A QUESTION?
  HTTPS://WWW.AIFACTORY.LU/

LUXEMBOURG AI FACTORY

THANK YOU

https://www.aifactory.lu/

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CLOSING WORDS

Bert Verdonck

CEO
Luxembourg National Data Service (LNDS)

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Looking back at the Data Summit 2025

DATA SUMMIT LUXEMBOURG

3 next steps

Datasummit.lu

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LNDS.lu

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Outlook 2026

Inventory of Public Sector Data: Accelerate!

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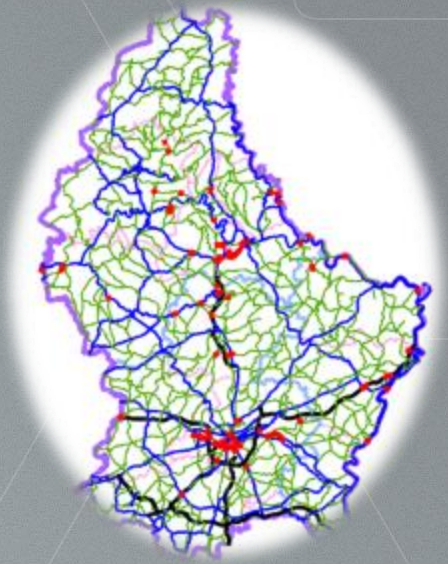
Outlook 2026

Authentic Data Source: Intensify!

https://app.mengplaz.lu/



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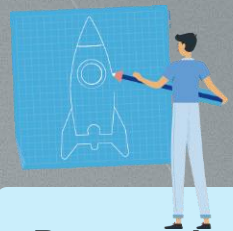
Outlook 2026

Data-driven Impact: across Various Domains!

Health

Energy



Research & Innovation

Other ...

Mobility

Green Deal

Finance

Public Admin.

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Outlook 2026

From Data to AI … and back to High Quality Data

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Networking Drinks

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Save the date!

2 December 2026

European Convention Center Luxembourg

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THE GOVERNMENT OF THE GRAND DUCHY OF LUXEMBOURG Ministry of Health and Social Security

LE GOUVERNEMENT DU GRAND-DUCHÉ DE LUXEMBOURG Ministère de la Digitalisation

Commissariat du gouvernement à la protection des données auprès de l'État

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Goodbye!