



Welcome to the Launch Event of



LNDS

LUXEMBOURG NATIONAL DATA SERVICE

Enabling Value Creation from Secondary Use of Data



4 December 2023, 10:00-14:00

Plenary Hall, European Convention Center Luxembourg



Wëllkomm

Tervetuloa

Bem-vindo

Welcome

Benvenuto

Vítej

Bienvenue

Willkommen

Bienvenidos







Välkommen

Ласкаво просимо



LNDS Inaugural Launch Event

Agenda

-  Introduction & welcome to the official inauguration of LNDS
-  Opening Speech: Stéphanie Obertin, Minister for Research and Higher Education - Minister for Digitalisation
-  LNDS: vision, mission, purpose and response to government's expectations
-  What do we do and how do we work - a look into the LNDS service portfolio, and data projects for impact
-  Keynote speech: EU digital health and data initiatives, by Saila Rinne, DG-CONNECT
-  Concluding words

Event team

Hosts of the day



Bert Verdonck
CEO



Catharina Marschan
Head of Communications & PR



Christophe Trefois
Head of Technology



Wei Gu
Head of Service



Marie-Laure Glowacki
Office Manager

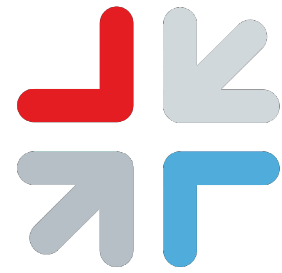


Matthieu Paret
Head of People



Regina Becker
Fellow ELSI





LNDS

LUXEMBOURG NATIONAL DATA SERVICE





Opening Speech

Stéphanie Obertin

Minister for Research and Higher Education

Minister for Digitalisation





Let's hear more about what is LNDS!





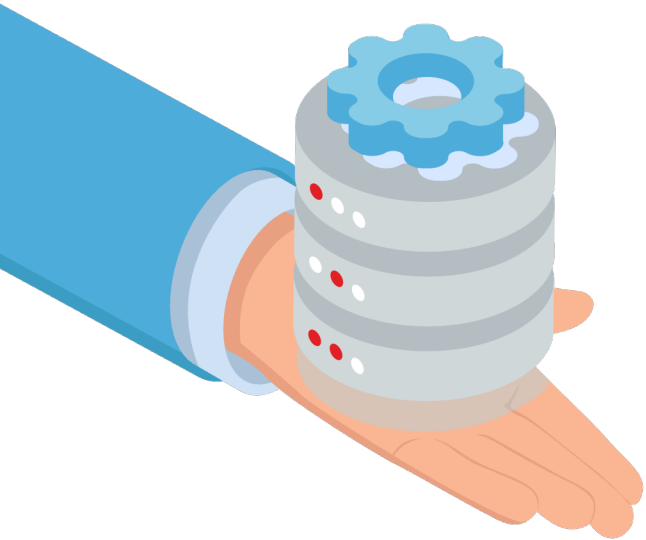
Let's have a look at our people & our values...

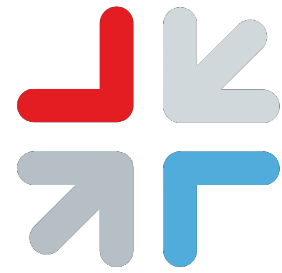




LNDS is ready to serve!

Our new website: www.lnds.lu





LNDS

LUXEMBOURG NATIONAL DATA SERVICE





Let's look at the expectations of the LNDS Board of Directors



LNDS Values

We use a human-centric approach and keep the human in control



Trustable



Thriving



Transparent



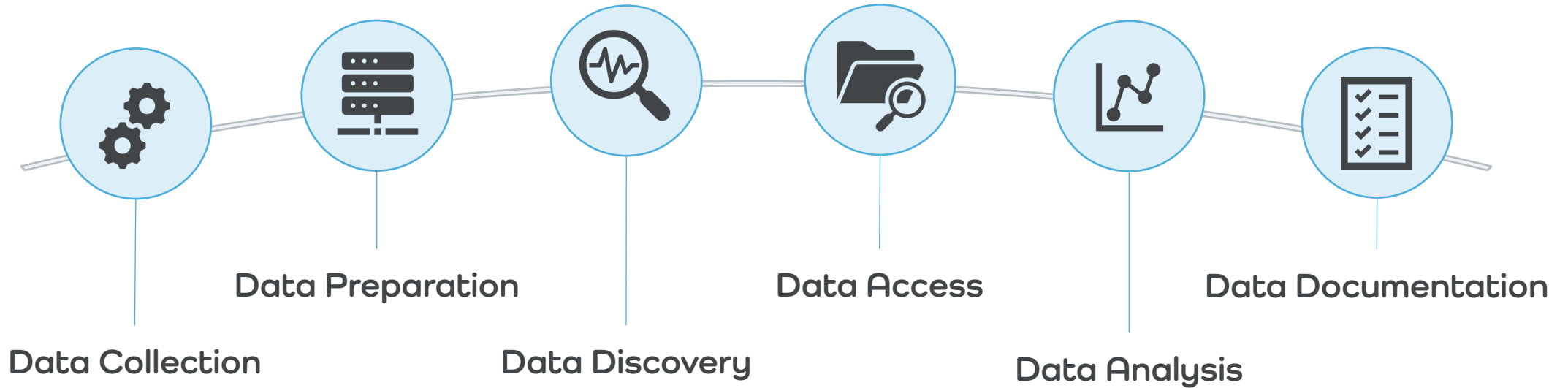


A look at our mission and how we work



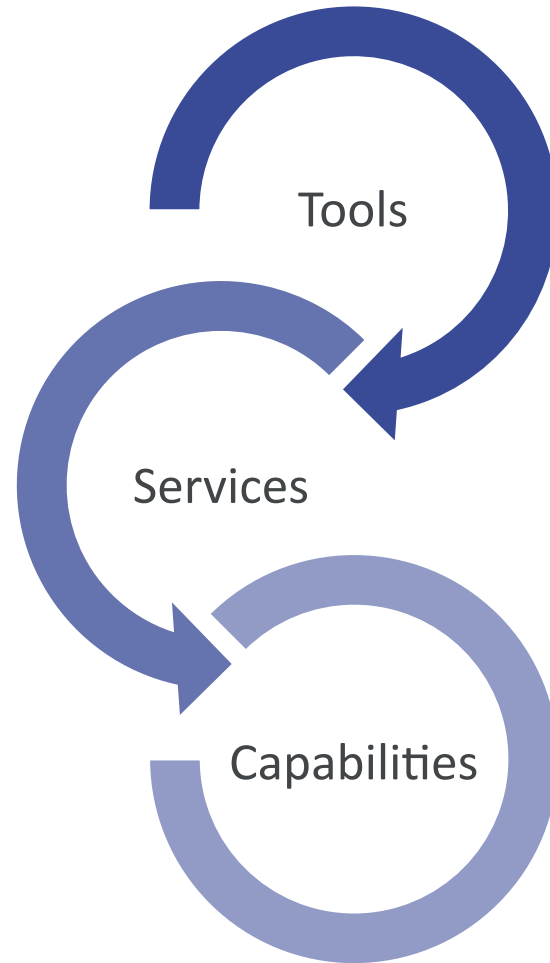
How we support your work

Create value throughout the data journey end-to-end



How we support your work

With an integral approach



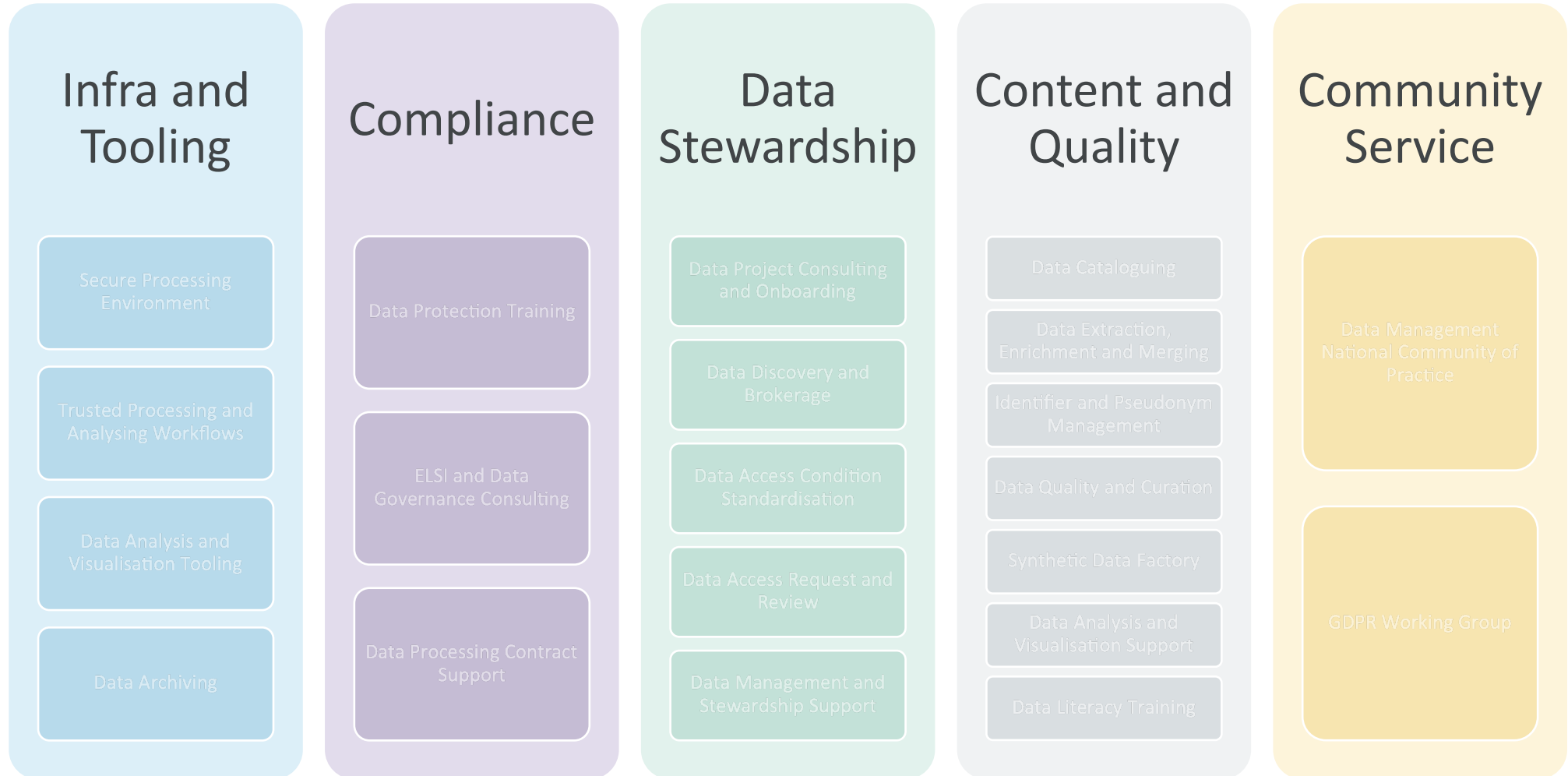


Let's take a look at our service portfolio



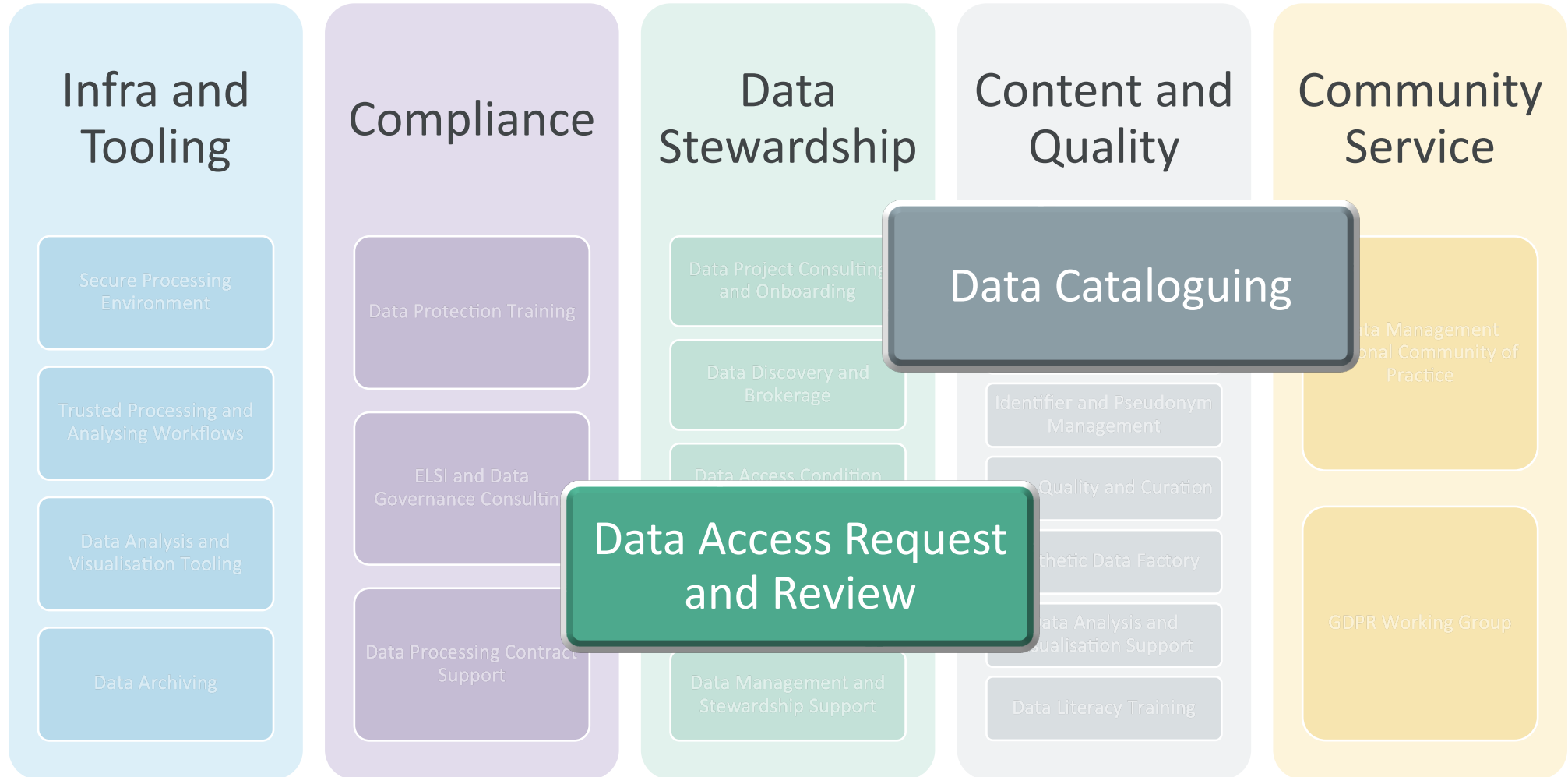
LNDS service portfolio

Design and build a service portfolio to deliver value



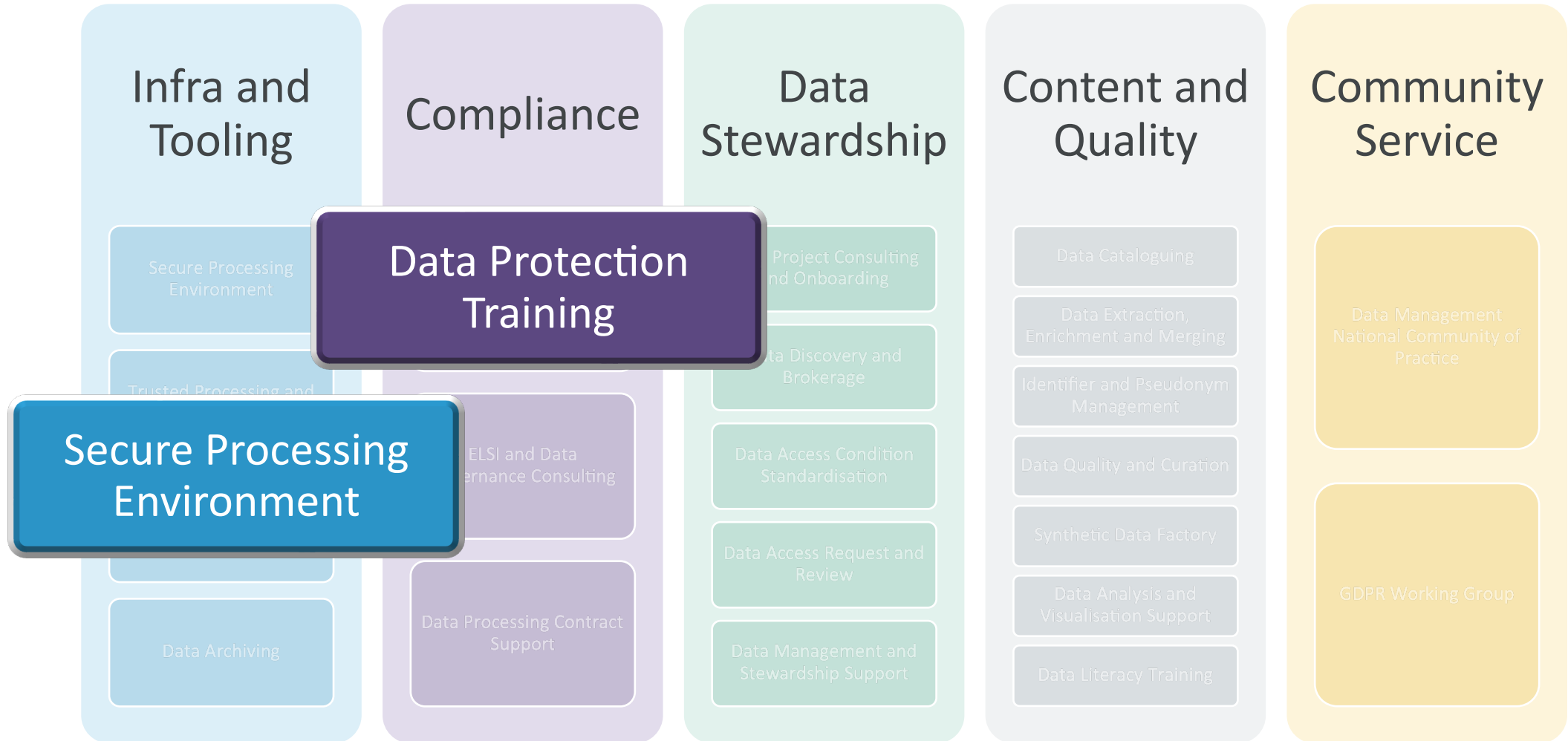
LNDS service portfolio

Design and build a service portfolio to deliver value



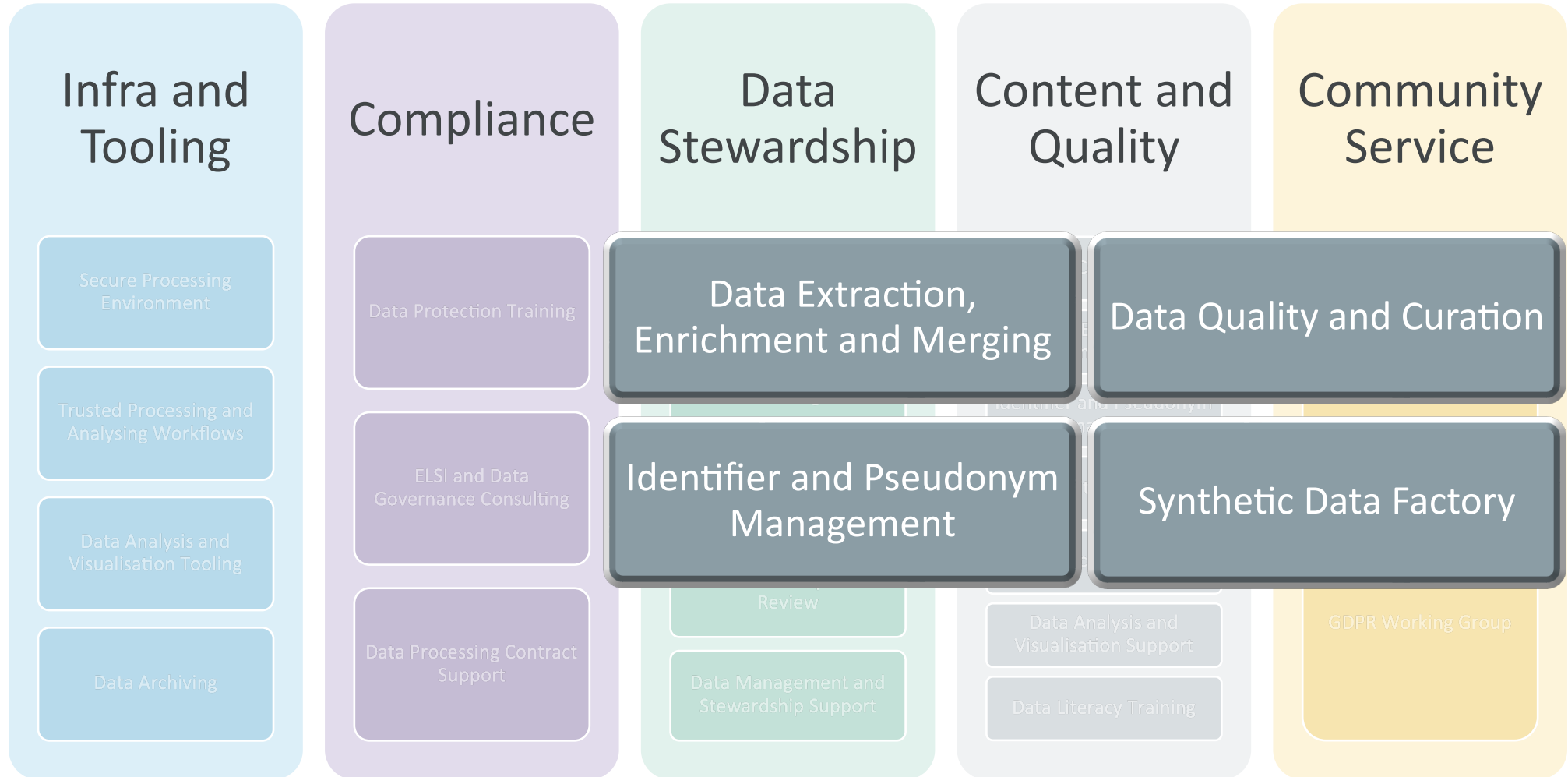
LNDS service portfolio

Design and build a service portfolio to deliver value



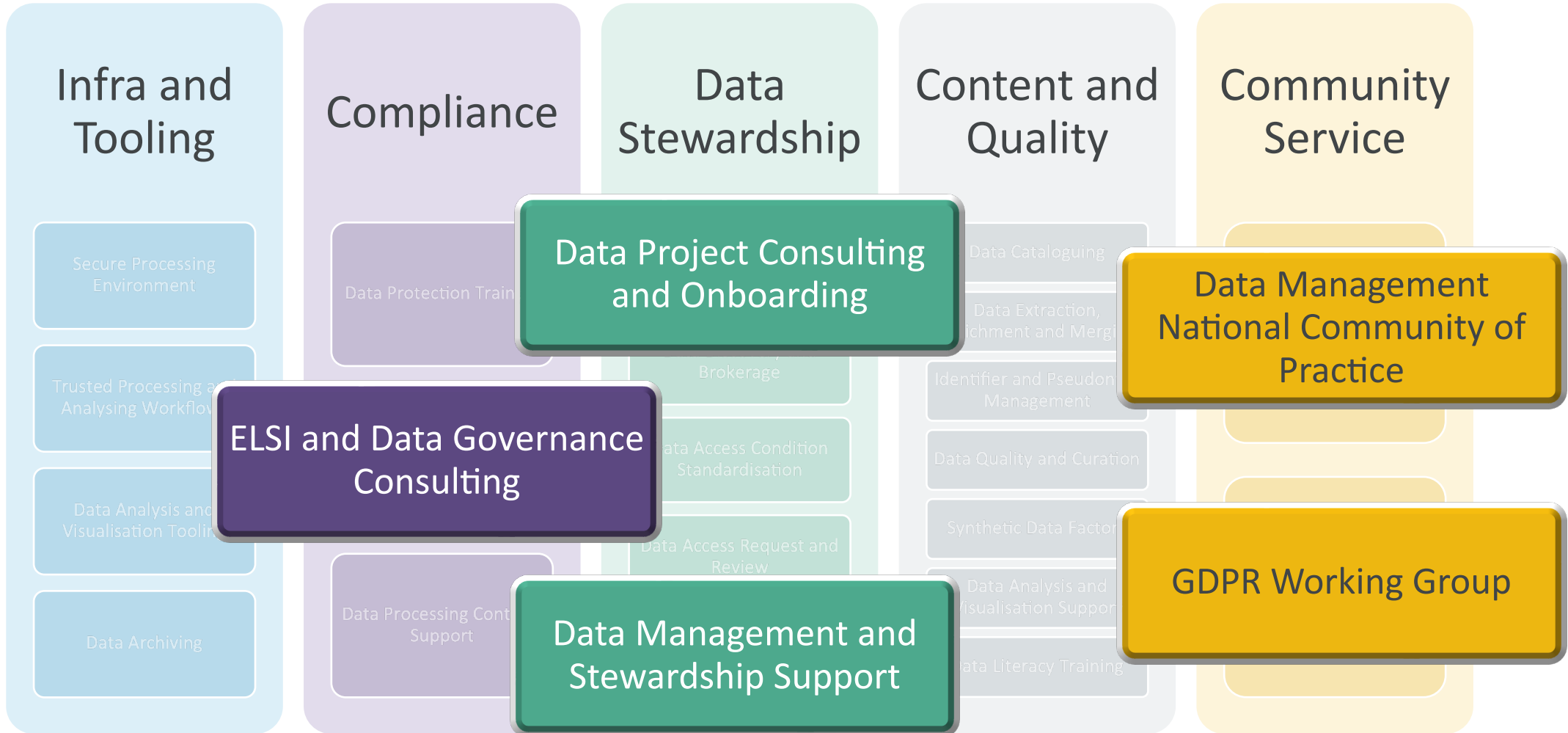
LNDS service portfolio

Design and build a service portfolio to deliver value



LNDS service portfolio

Design and build a service portfolio to deliver value





Let's look into tooling & infrastructure





Empowering Data Re-Utilization:

Tools for accessing public sector data

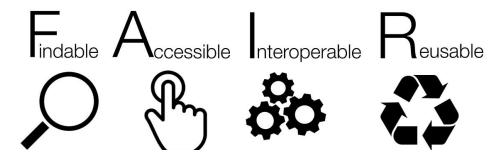


ISO 27001 journey from the start



National data catalogue

Data Act, Art 33, Nov 27 2023



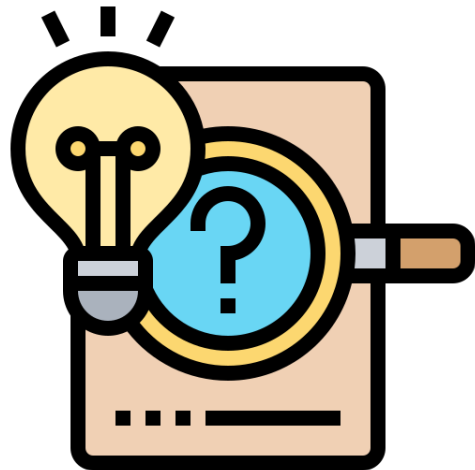


Empowering Data Re-Utilization:

Tools for accessing public sector data



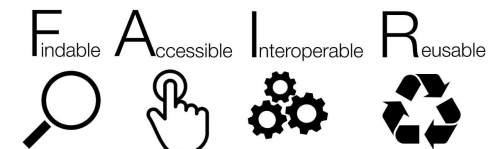
ISO 27001 journey from the start



National data catalogue



Data access request management



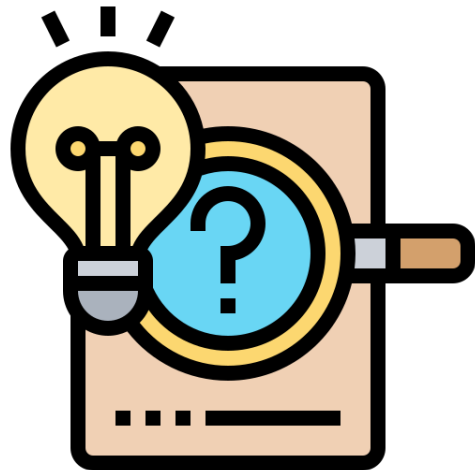


Empowering Data Re-Utilization:

Tools for accessing public sector data



ISO 27001 journey from the start



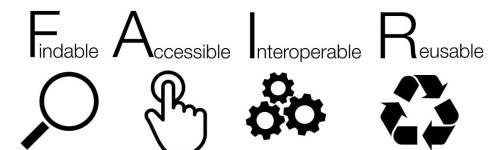
National data catalogue



Data access request management



Secure processing environment

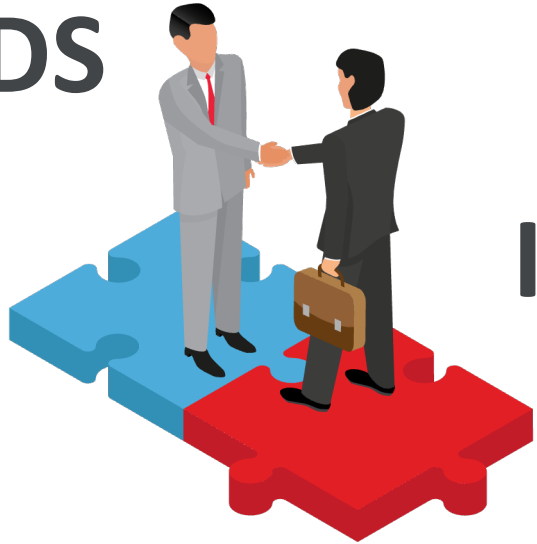




Empowering Data Re-Utilization:

Integrating existing platforms

LNDS



IGSS

Luxembourg
Microdata
Platform
on Labour
and Social
Protection



Connecting to Europe

LNDS – part of ELIXIR Luxembourg



LNDS

LCSB

LCSB

Deeper in bioinformatics



Wider across domains

LNDS



Let's look into how we do ELSI





European
Commission

THE EUROPEAN DATA STRATEGY

SHAPING EUROPE'S
DIGITAL FUTURE



**innovative
initiatives**

digital luxembourg.

THE EUROPEAN DATA STRATEGY

SHAPING EUROPE'S
DIGITAL FUTURE

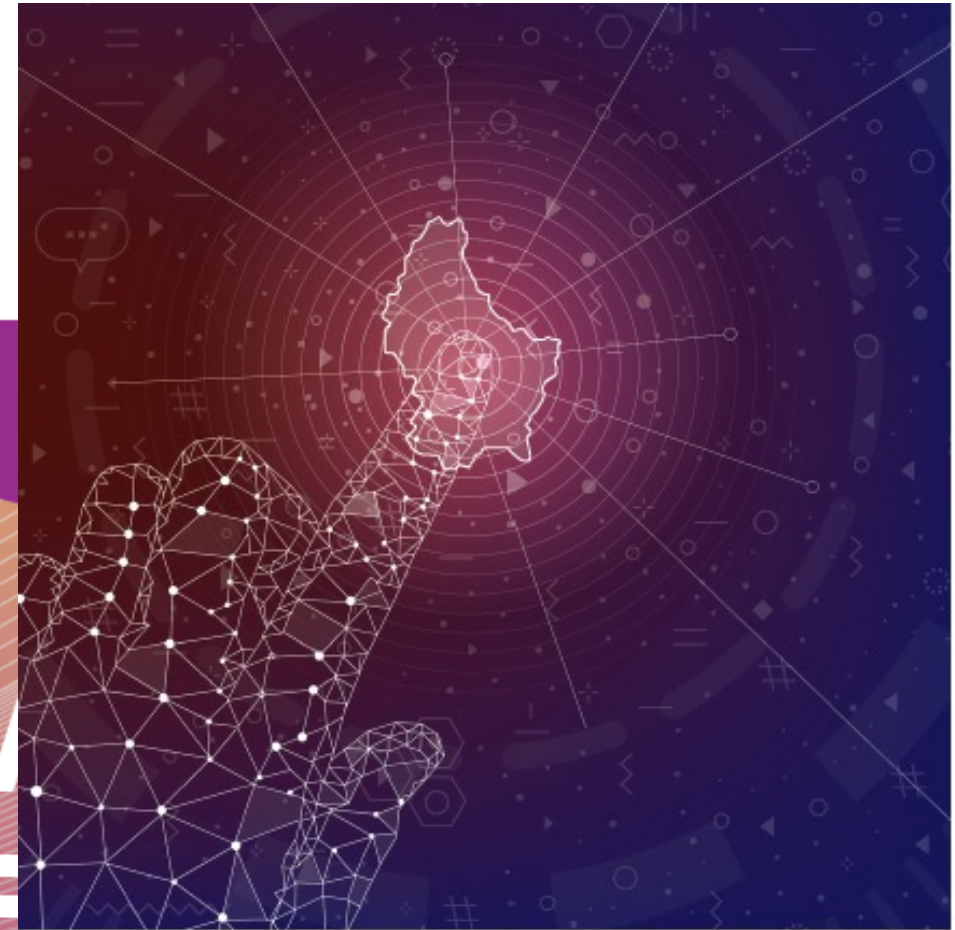


**innovative
initiatives**

digital luxembourg.

THE EUROPEAN DATA STRATEGY

SHAPING EUROPE'S
DIGITAL FUTURE



**THE DATA-DRIVEN INNOVATION STRATEGY
FOR THE DEVELOPMENT OF A TRUSTED
AND SUSTAINABLE ECONOMY
IN LUXEMBOURG**

May 2019



THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy



**innovative
initiatives**
digital luxembourg.

Luxembourg:
Data-driven
innovation

 LUXEMBOURG
TRADE & INVEST

EUROPEAN STRATEGY

FOR EUROPE'S
DIGITAL FUTURE

**THE DATA-DRIVEN INNOVATION STRATEGY
FOR THE DEVELOPMENT OF A TRUSTED
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Ministry of the Economy



**innovative
initiative**
digital luxembourg



**Luxembourg:
Data-driven
innovation**



**LUXEMBOURG
TRADE & INVEST**

ACCELERATING RESEARCH OPPORTUNITIES



Luxembourg is creating a thriving data-driven research & innovation sector with one ambition: provide the best conditions in which talents can foster excellence to shape a sustainable future.

 **RESEARCH
LUXEMBOURG**
Faster. Further. Together.

Discover all the career and
business opportunities on
researchluxembourg.org

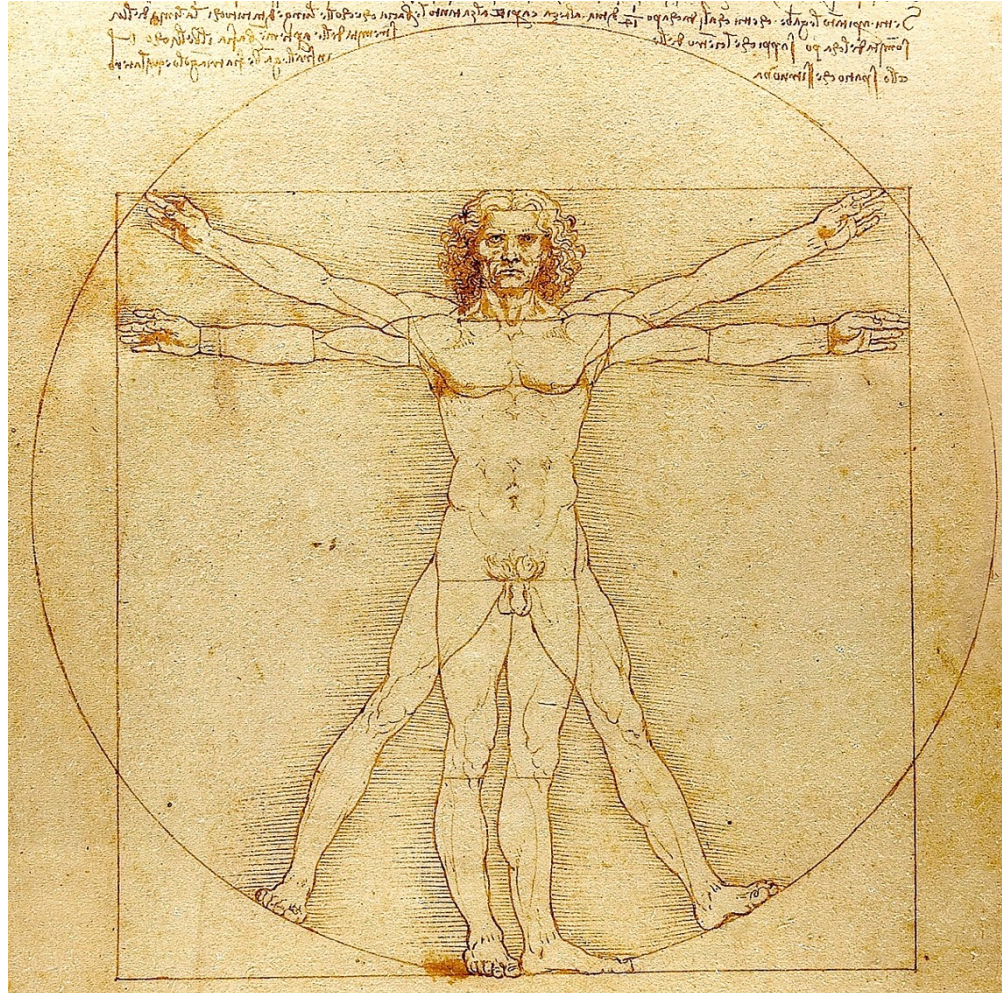
THE DATA-DRIVEN INNOVATION STRATEGY FOR THE DEVELOPMENT OF A TRUSTED AND SUSTAINABLE ECONOMY IN LUXEMBOURG

May 2019



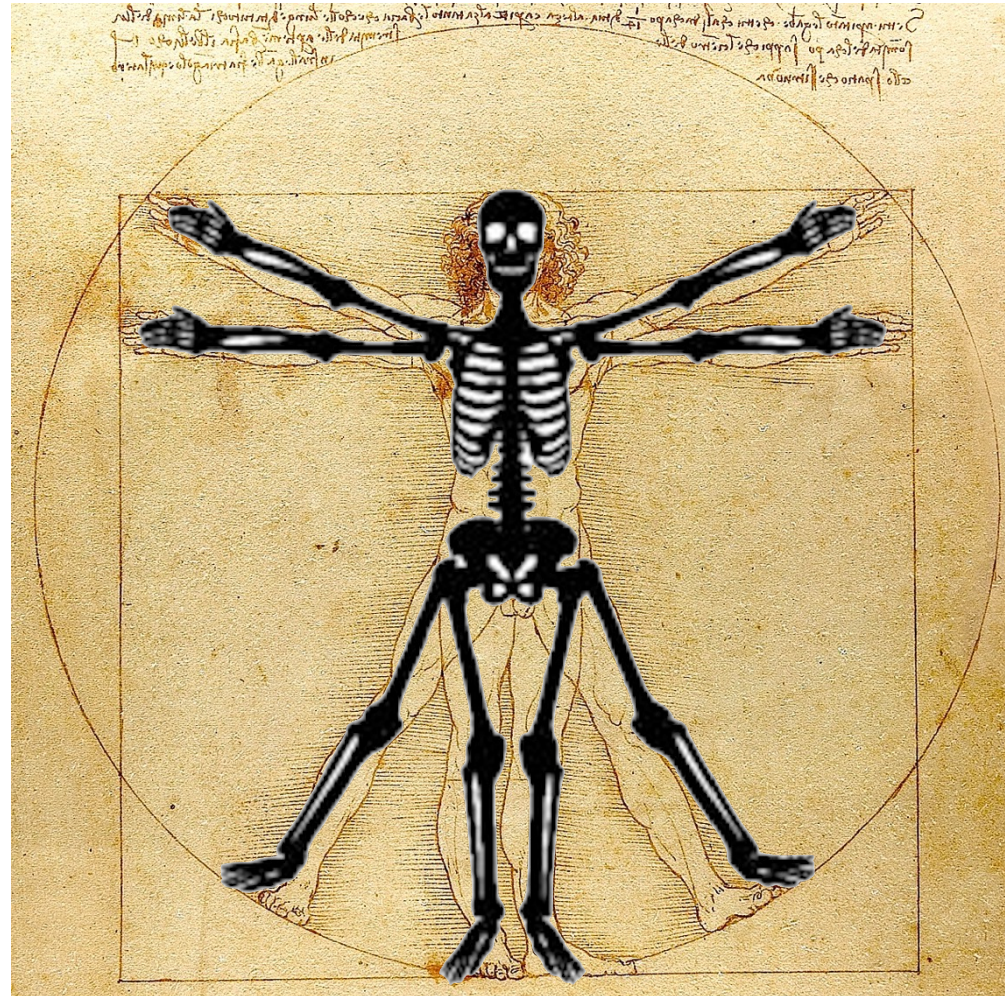
THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy

Where is the digital society heading?



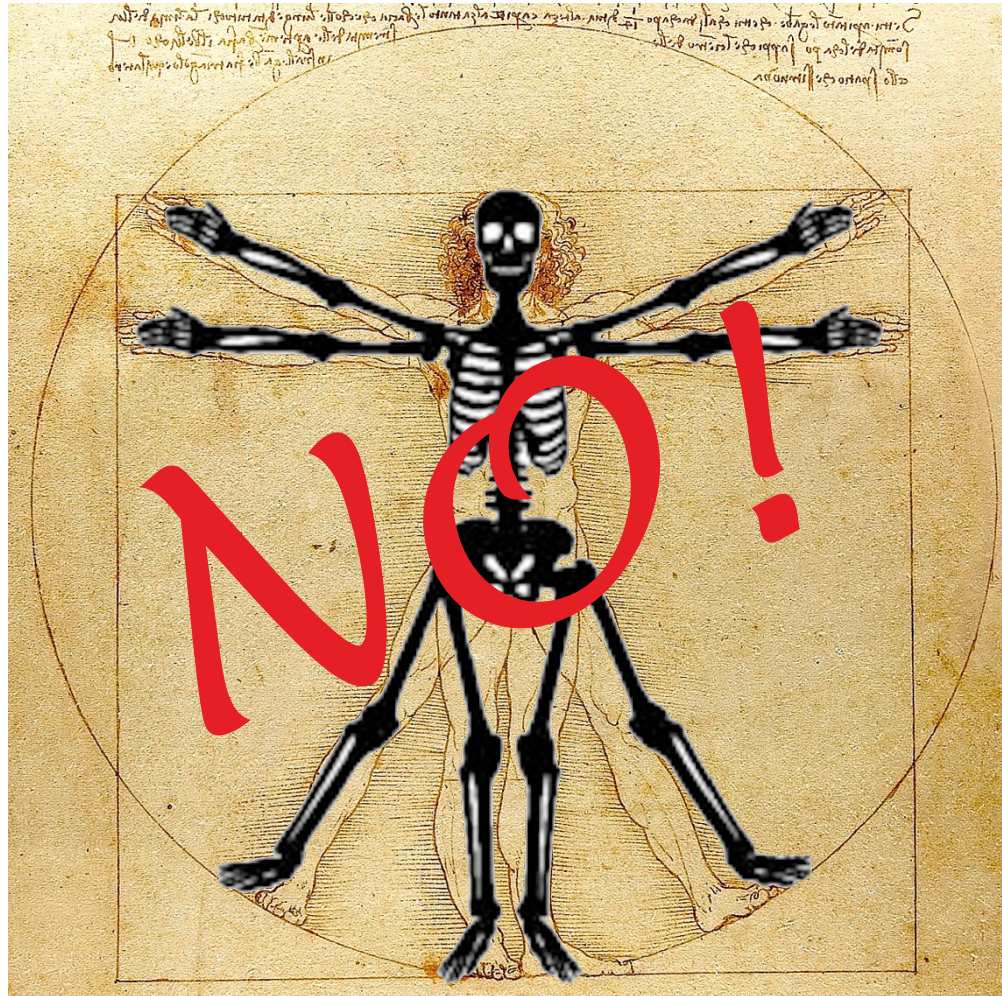
Where is the digital society heading?

Will we go towards a fully transparent society without any privacy?



Where is the digital society heading?

Will we go towards a fully transparent society without any privacy?





“Human dignity is inviolable. It must be respected and protected.”

Charter of Fundamental Rights of the European Union –
Article 1





“Human dignity is inviolable. It must be respected and protected.”

Charter of Fundamental Rights of the European Union
Article 1

“Everyone has the right to respect for his or her private and family life, home and communications.”

Charter of Fundamental Rights of the European Union
Article 7





“Human dignity is inviolable. It must be respected and protected.”

Charter of Fundamental Rights of the European Union
Article 1

“Everyone has the right to respect for his or her private and family life, home and communications.”

Charter of Fundamental Rights of the European Union
Article 7

“Everyone has the right to the protection of personal data concerning him or her.”

Charter of Fundamental Rights of the European Union
Article 8



So how can we pursue secondary use of data?

Any limitation of the rights of the Charter **must be**

- provided for **by law**
- **respect the essence** of those rights
- **Necessary**
- **Proportionate** to the aim pursued and
- genuinely meet **objectives of general interest**

A balancing exercise

*Charter of Fundamental Rights
Article 52*



So how can we pursue secondary use of data?

The controller is allowed to further process personal data

- Based on Union or national law
- As a necessary and proportionate measure
- For important objectives of general public interest

A balancing exercise

*General Data Protection Regulation
Recital 50*



So how can we pursue secondary use of data?

The protection of the rights and freedoms of natural persons with regard to the processing of their data requires appropriate

- Technical and
- Organisational measures

A balancing exercise

*General Data Protection Regulation
Recital 37*

What can LNDS do?

- Support the legislator for a data governance that reflects the principles of the Charter and the GDPR



What can LNDS do?

→ Support the legislator for a data governance that reflects the principles of the Charter and the GDPR



→ Support a data protection by design and default implementation of secondary use of personal data

What can LNDS do?

→ Support the legislator for a data governance that reflects the principles of the Charter and the GDPR



→ Support a data protection by design and default implementation of secondary use of personal data

→ **Provide training for researchers and data managers for secondary use**

What can LNDS do?

→ **Facilitate exchange between DPOs of public sector bodies engaged in research**

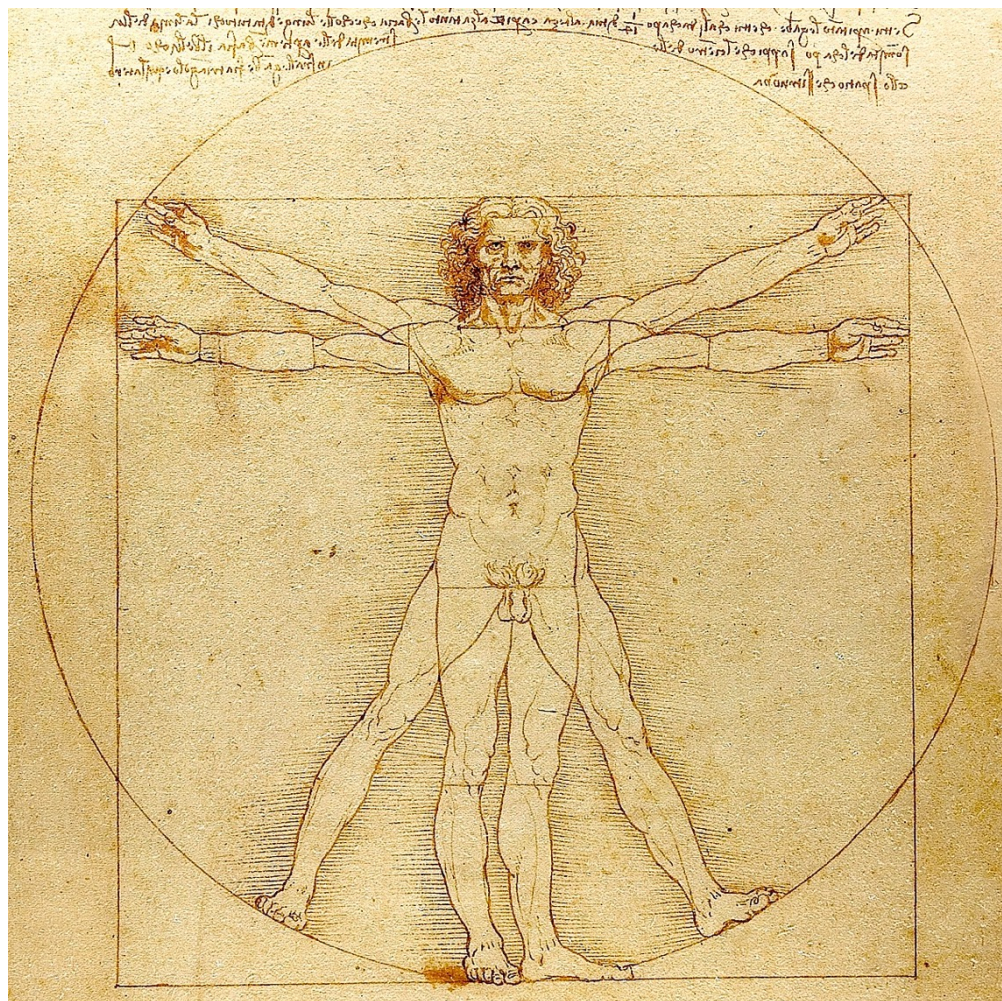
→ Support the legislator for a data governance that reflects the principles of the Charter and the GDPR



→ Support a data protection by design and default implementation of secondary use of personal data

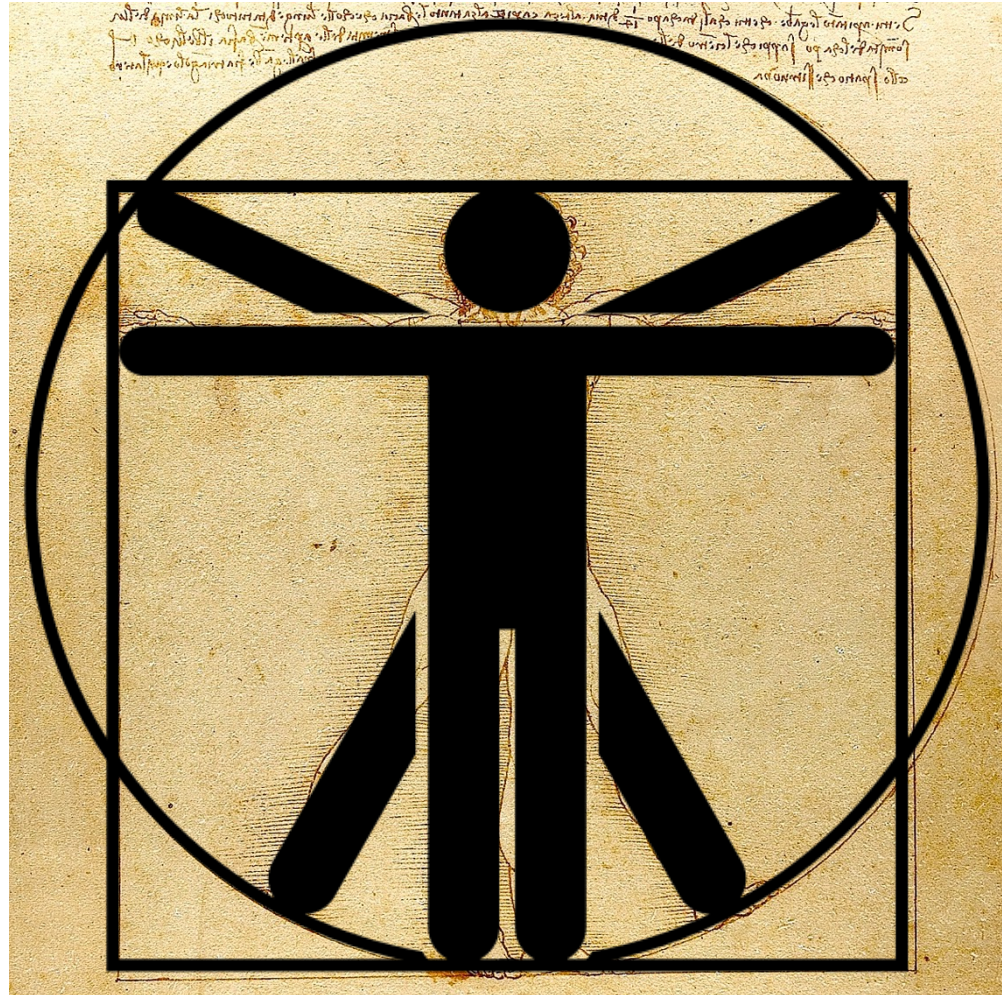
→ Provide training for researchers and data managers for secondary use

Where is the digital society heading?



Where is the digital society heading?

We will go towards a knowledge society that builds on privacy-preserving principles





LNDS – now present on data.public.lu





Publish





The luxembourgish open data platform

Log in | Sign up | EN | FR

Search input field with magnifying glass icon

Data | Reuses | Organizations | Contribute | News | Contact us

Home > Organizations > Luxembourg National Data Service



Luxembourg National Data Service

5 favourites

2 Datasets

Description

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 digitalisation. LNDS enables value creation from secondary use of data, for public and private partners and supports the sharing and re-use of public sector data, in a trustable manner. The LNDS service portfolio includes know-how, capabilities, tools, infrastructure, and data services to support data discovery, access, enrichment, pseudonymisation, quality and more. Through efficient & responsible use of data and improving the secondary use of data, LNDS will support the acceleration of economic, ecological, and societal transitions.

LNDS develops a service portfolio including know-how, capabilities, tools, infrastructure, and data services, to support the sharing and secondary use of data for public and private data partners. Data partners include research institutions, ministries and other national organisations, collaborating for improved use of existing data. In addition, LNDS participates actively in the development of data spaces, standards, and best practices at European level.



Let's zoom out to what happens in Europe



Involvement on European level

Making an impact also on European and international level





Keynote Speech: EU digital health and data initiatives

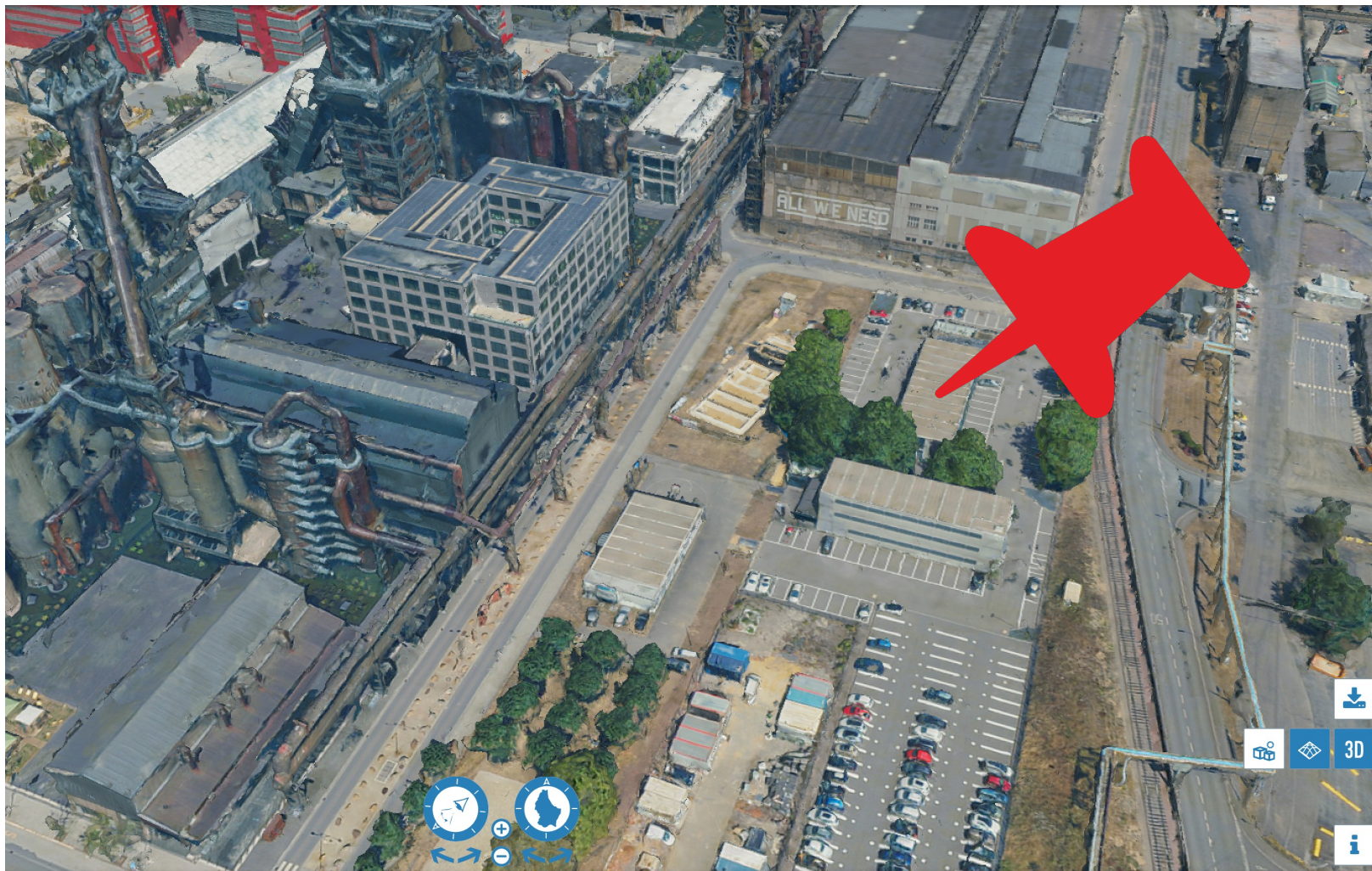
Saila Rinne

Acting Head of Unit
“eHealth, wellbeing and ageing”
European Commission / DG CONNECT





Welcome to our office in Belval



Put your data on the map



A decorative graphic at the top of the slide consists of a network of interconnected nodes and lines. The nodes are represented by small circles in various shades of blue and white, connected by thin, light blue lines. The overall effect is a complex, web-like structure that spans the width of the slide.

Thank you for celebrating with us!

Data Summit Luxembourg 2023

Enabling Value Creation from Secondary Use of Data



LNDS

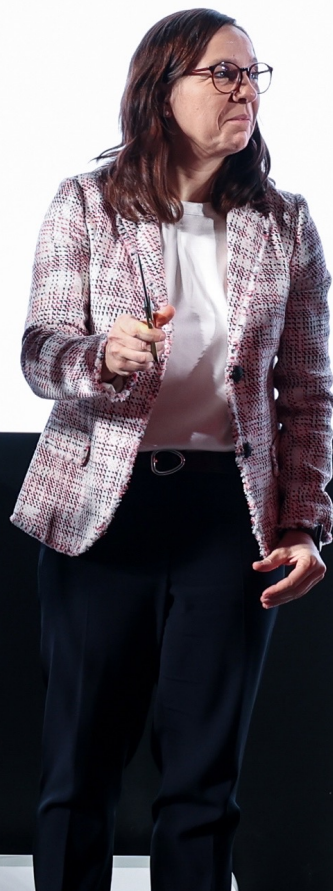
LUXEMBOURG NATIONAL DATA SERVICE












LNDS

LUXEMBOURG NATIONAL DATA SERVICE



Data Summit Luxembourg

Agenda

-  Introduction & Welcome to the first edition of Data Summit Luxembourg
-  What services does LNDS provide? - A look into the LNDS service portfolio
-  Data projects for Impact – presentations by 4 data partners
-  Networking & coffee break
-  Data projects for Impact – presentations by 3 data partners
-  Keynote & Roundtable: Data spaces in Europe and their relevance for Luxembourg
-  Wrap up & outlook for 2024

Event team

Hosts of the day



Bert Verdonck
CEO



Catharina Marschan
Head of Communications & PR



Christophe Trefois
Head of Technology



Wei Gu
Head of Service



Marie-Laure Glowacki
Office Manager



Matthieu Paret
Head of People

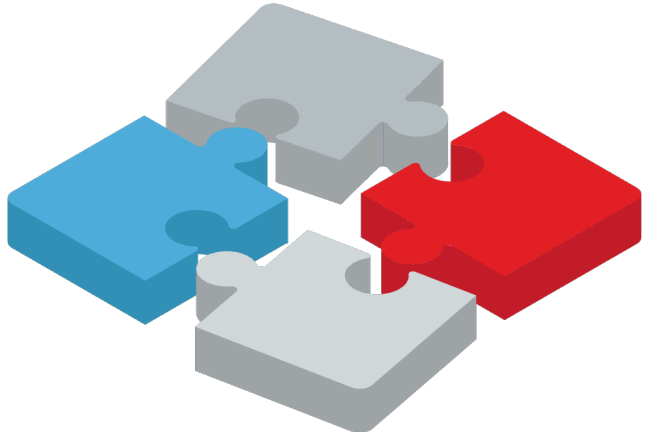


Regina Becker
Fellow ELSI





How we work





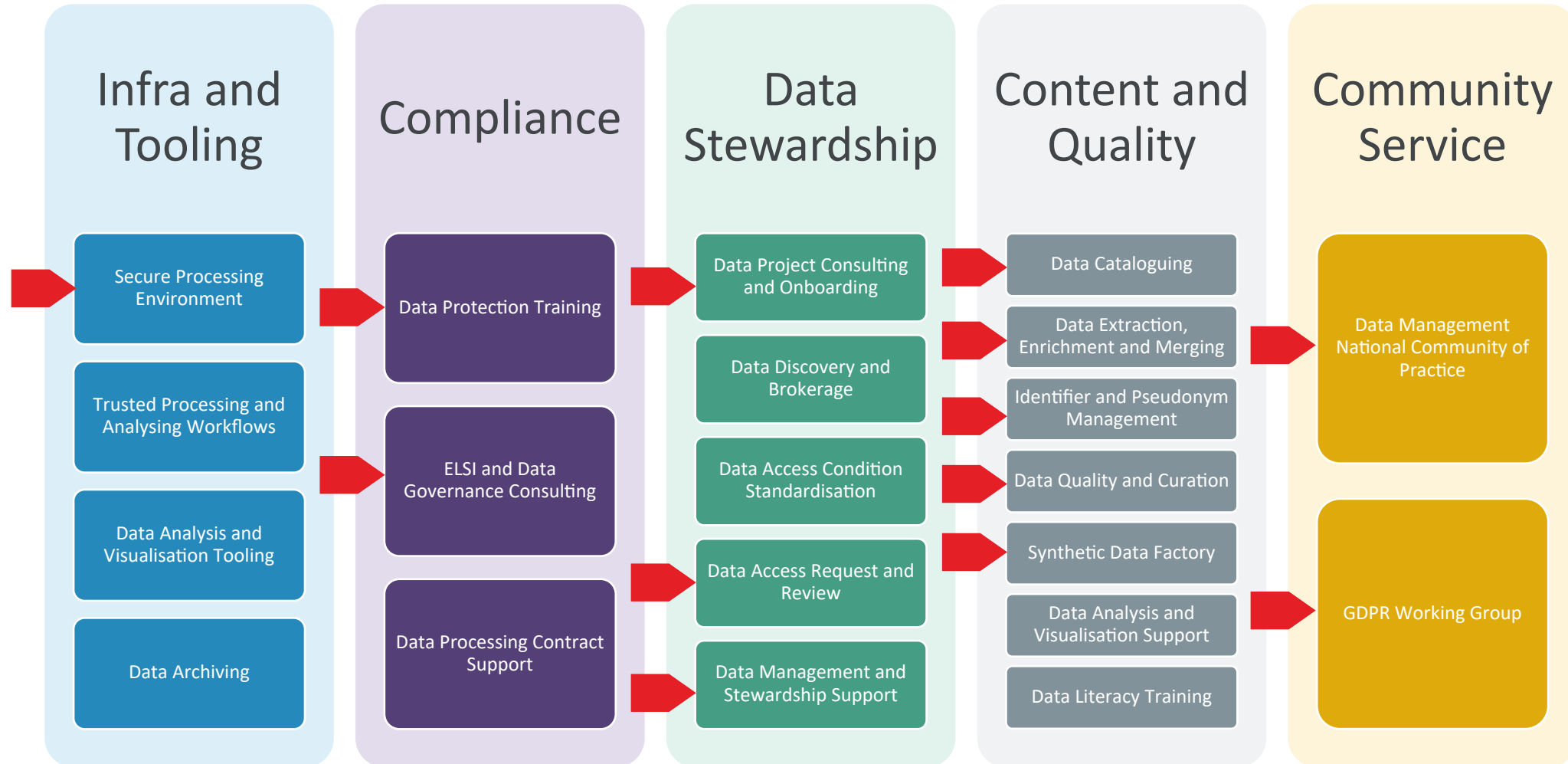
Let's look into the LNDS Service Portfolio



LNDS service portfolio

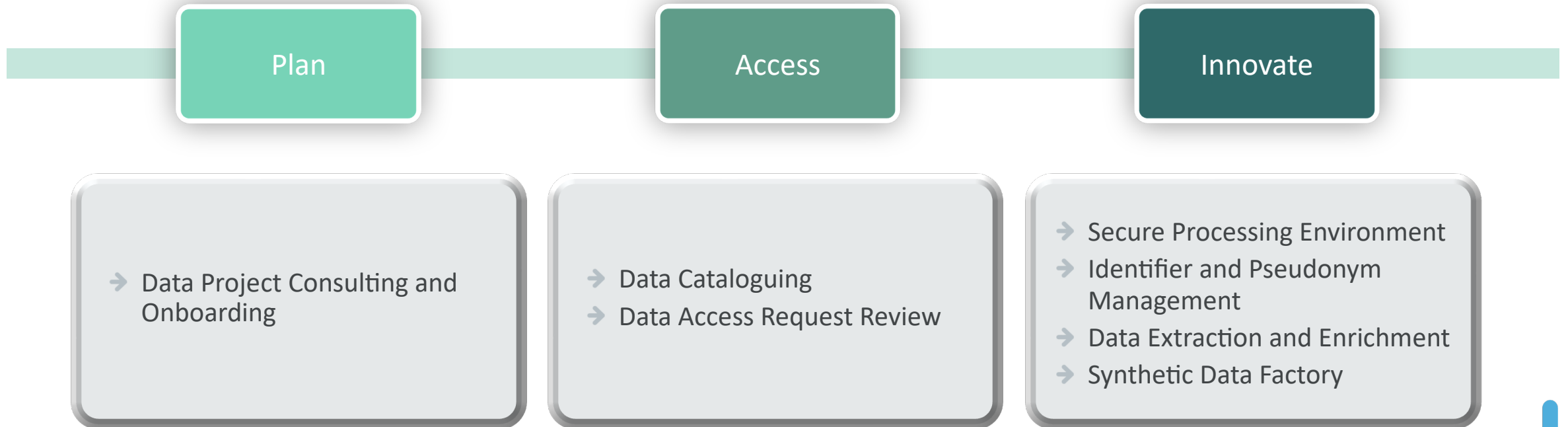
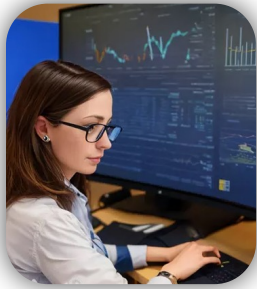
Priority in 2023

Design and build a service portfolio to deliver value



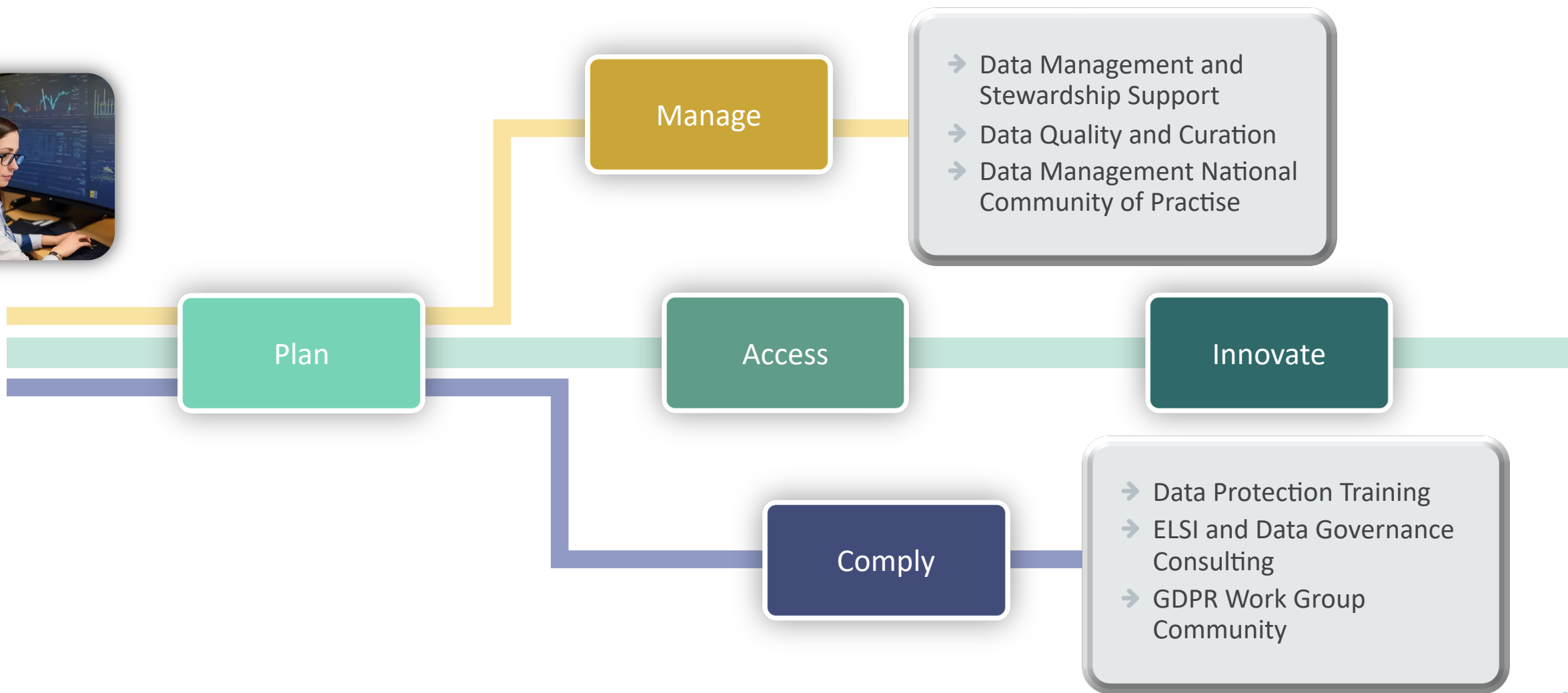
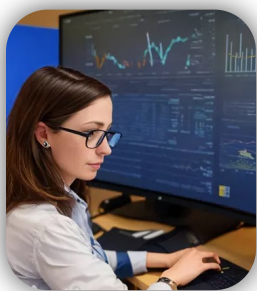


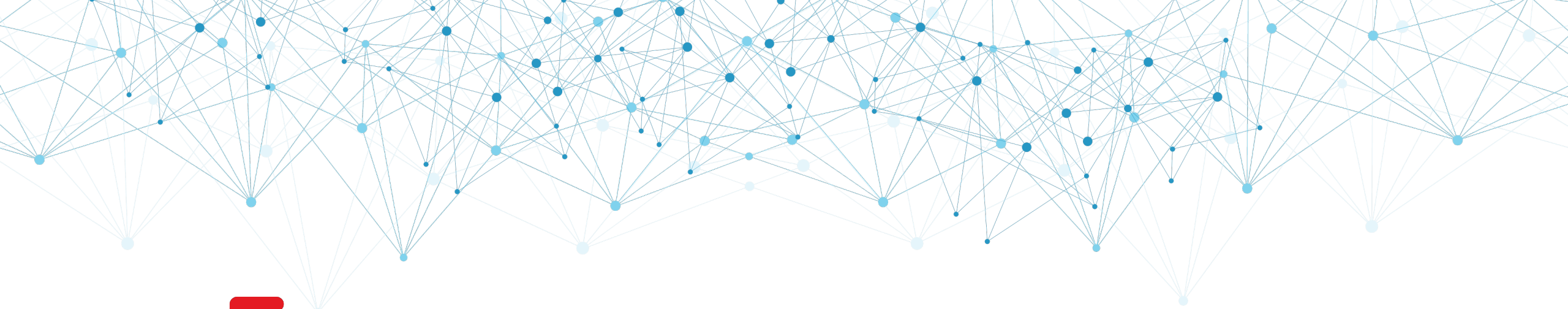
Lisa's Data Journey





Lisa's Data Journey





Let's take a look at the platforms we use



Strategic Technology Selection



Security



Privacy by design



Decision analysis and
resolution



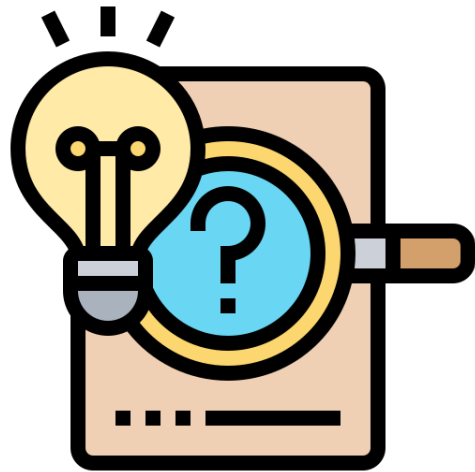
Balance between
cost and benefits



Open source by
default for all LNDS
created tools



Empowering data re-use of public sector data



National data catalogue
Data Act, Art.33



Data access
request management



Secure processing environment



ISO 27001 journey from the start



Luxembourg National Data Catalogue

<https://data.lnds.lu>



Luxembourg National Data Catalogue

Discover public sector data in Luxembourg




Agriculture
Agriculture, fisheries, forestry and food



Economy
Economy and finance



Education
Education, culture and sport



Energy



Environment



Government
Government and public sector



Health



Justice
Justice, legal system and public safety



Population
Population and society



Regions
Regions and cities



Tech
Science and technology



Transport

[See all →](#)



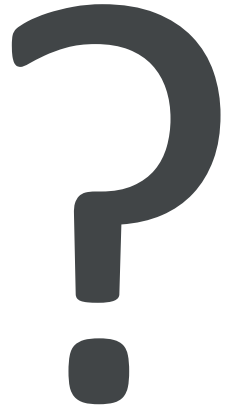
Let's take a look at the third ingredient, ELSI



A little exercise

Information requirements under the GDPR

→ **Is it necessary to inform a citizen if his/her data are transferred from one administrative public body to another?**

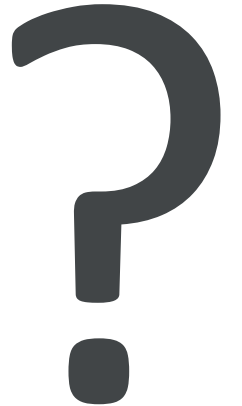


A little exercise

Information requirements under the GDPR

- Is it necessary to inform a citizen if his/her data are transferred from one administrative public body to another?
- **Yes, information according to Art. 13 or 14 GDPR is necessary unless**
 - A legislation provides for the information of which data is submitted to **whom** for **which purpose**
or
 - A legislation derogates from this information **obligation**

[European Court of Justice, *Barra and Others*]



How we can help...

Data governance of secondary use



Review of legislation –
necessity, proportionality and essence of fundamental rights



Suitable and specific measures for privacy and
support of data managers in data management

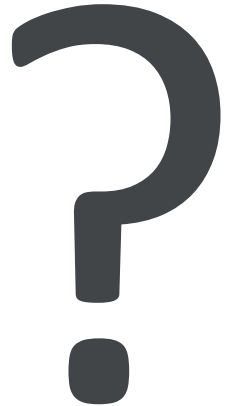


Transparency tools

A little exercise

Controllershship

- A public research centre implements a Facebook “Like” button on its News website
- Who is controller for the data collection through the related cookies and transmission of these data to Facebook?



A little exercise

Controllorship

- A public research centre implements a Facebook “Like” button on its News website.
- Who is controller for the data collection through the related cookies and transmission of these data to Facebook?
- **The research centre and Facebook are joint controllers for the collection and transmission.**
 - The research centre as operator of the website causes the collection and transmission by the Facebook designed cookie
 - Both parties have a legitimate interest in the processing

[European Court of Justice, *Fashion ID*]



How we can help...

Facilitating discussion between data protection actors in public research



Exchange platform for experiences and best practice



Reports on regulatory developments – European Court of Justice, European Data Protection Board, new legislations



Discussion Forum: questions, interesting findings and knowledge management

How we can help...

Data protection training – an eLearning Tool



Explanation of terms and obligations and potential misconceptions



Examples

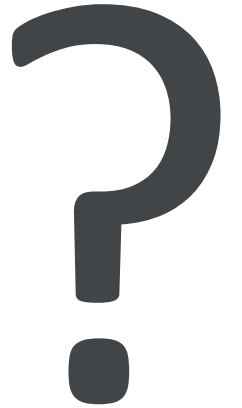


Test questions

A little exercise

Personal data under the GDPR

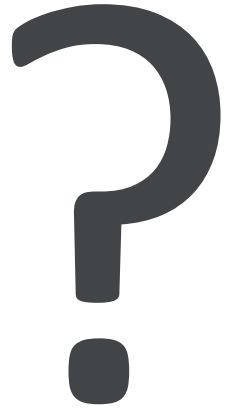
→ **Is environmental data personal data?**



A little exercise

Personal data under the GDPR

- Is environmental data personal data?
- If you don't know the answer –
how about you look into our training modules?

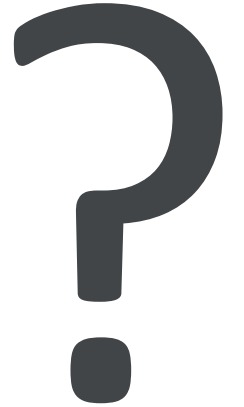


A little exercise

Personal data under the GDPR

→ Is environmental data personal data?

MODULE 1: PERSONAL DATA





Release

To contribute to the Synthetic Data Factory

Project

synthetic-data-factory

Search or go to...

- synthetic-data-factory
- Pinned
- Manage
- Plan
- Code
- Build
- Secure
- Deploy
- Operate
- Monitor
- Analyze
- Settings

synthetic-data-factory

Project ID: 47547919 [Leave project](#)

Star 0
 Fork 0

188 Commits 2 Branches 0 Tags 251.7 MiB Project Storage

Topics: [opensource](#) [data](#) [datasets](#) + 2 more

This project is intended for generating synthetic data of Luxembourg population from public available datasets and enlarge it including cross-border workers, companies and many other environmental fields.

Update README.md
Silvia Martina authored 21 hours ago

3d17e28b

main ser-de-01-sdf / + History Find file Edit Code

- README
- Apache License 2.0
- CONTRIBUTING
- CI/CD configuration
- Add CHANGELOG
- Add Kubernetes cluster
- Add Wiki
- Configure Integrations

Name	Last commit	Last update
.vscode	update 7 November	3 weeks ago
config	config file modified	1 week ago
docs	Update 2 files	21 hours ago
src	Delete stat_analysis.py	22 hours ago
static	Update 25 files	22 hours ago
tests	initial commit	1 month ago

Explore Our Comprehensive How-To Guides

This website serves as your comprehensive guide on how to contact us and access our services. Find detailed how-to guides, tips, and resources to make the most of what Luxembourg National Data Service has to offer.

Data Project Consulting and Onboarding Service

This guide describes how the collaboration between the LNDS and the partner for the Data Project Consulting and Onboarding works.

Data Access Request and Review Service

This guide describes how the collaboration between the LNDS and the partner(s) for the Data Access Request and Review (DARREV) Service works.

Data Management and Stewardship Support Service

This guide describes how the collaboration between the LNDS and the partner for the Data Management and Stewardship Support (DaMSS) Service works.

Data Management National Community of Practice Service

This guide describes how the collaboration works in the Data Management National Community of Practice.





Open for requests

<https://howto.lnds.lu>





Let's move on to...
Data Projects for Impact!



Identification of missing very-high-capacity-networks (VHCN) in Luxembourg



Julien Larios
Technical Director,
MyConnectivity



Data Cataloguing at the Luxembourg Environment Agency



Anne Majerus
Deputy Director



Isabelle Naegelen
Coordinator of
Environmental Data



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Environnement, du Climat
et de la Biodiversité

Administration de l'environnement

Data through LNDS from request to enrichment



Dr. Françoise Berthet
Director



Aymeric d'Hérouël
Principal Data Architect



Enabling Transparency and Trust in Research Data of C2DH Projects



Tugce Karatas
Research Scientist
/Data Manager



Ghislain Sillaume
Project Coordinator
/Research Support



Enhancing Knowledge in Luxembourg Innovation Ecosystems



Mohamed Toumi

Senior Market Intelligence Analyst

Luxinnovation



Crafting a Complete Data Picture for Better Policies

– Labour market outcomes of BTS graduates



Bruno Rodrigues

Head of Statistics and Data Strategy
Departments

Ministry of Higher Education and Research



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Enseignement supérieur
et de la Recherche

XBorder Project

A linked administrative dataset for the Greater Region of Luxembourg



Christina Gathmann

Head of Labour Market Department
Luxembourg Institute of Socio-
Economic Research





Keynote & Roundtable:

Data spaces in Europe and their relevance for Luxembourg



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A decorative graphic at the top of the slide consists of a network of interconnected nodes and lines, rendered in various shades of blue and white, set against a dark blue background.

Thank you & look forward to seeing you for Data Summit Luxembourg 2024

11th December 2024, European Convention Center Luxembourg

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