

gaia-x



# Market Conference & Expo

Vienna Austria

14 - 15 March 2023

In partnership with  gaia-x  
 Hub Austria





Oficina  
del **Dato**



# The role of Governments in Gaia-X and the fostering of Digital Public Goods

Alberto Palomo – Chief Data Officer (Spain) & Gov. Advisory Board (Gaia-X)  
Manuel Gutiérrez – Strategy Consultant (Spanish National Data Office)

# The impactful role of Governments within Gaia-X



# A thriving European Data Economy

An exceptional growth opportunity for industries:

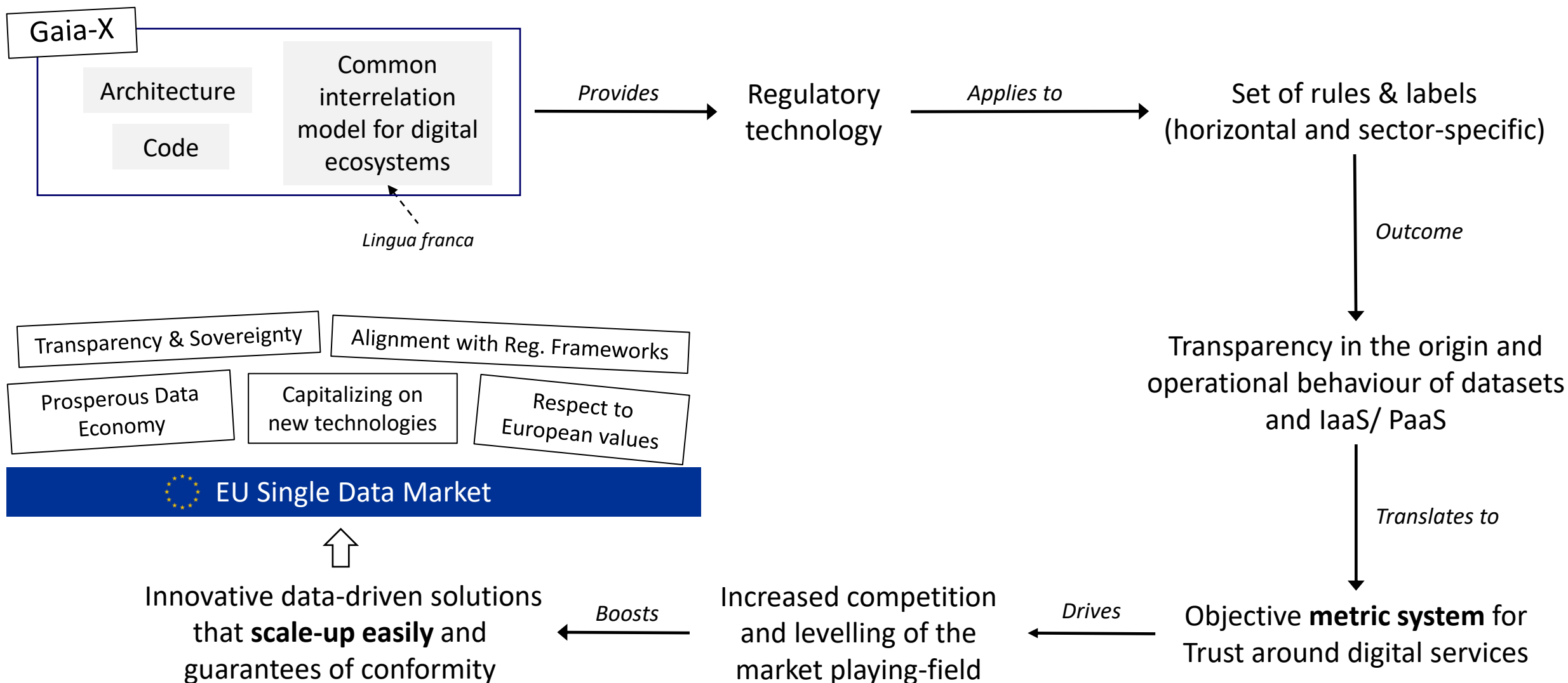
Projected figures 2025



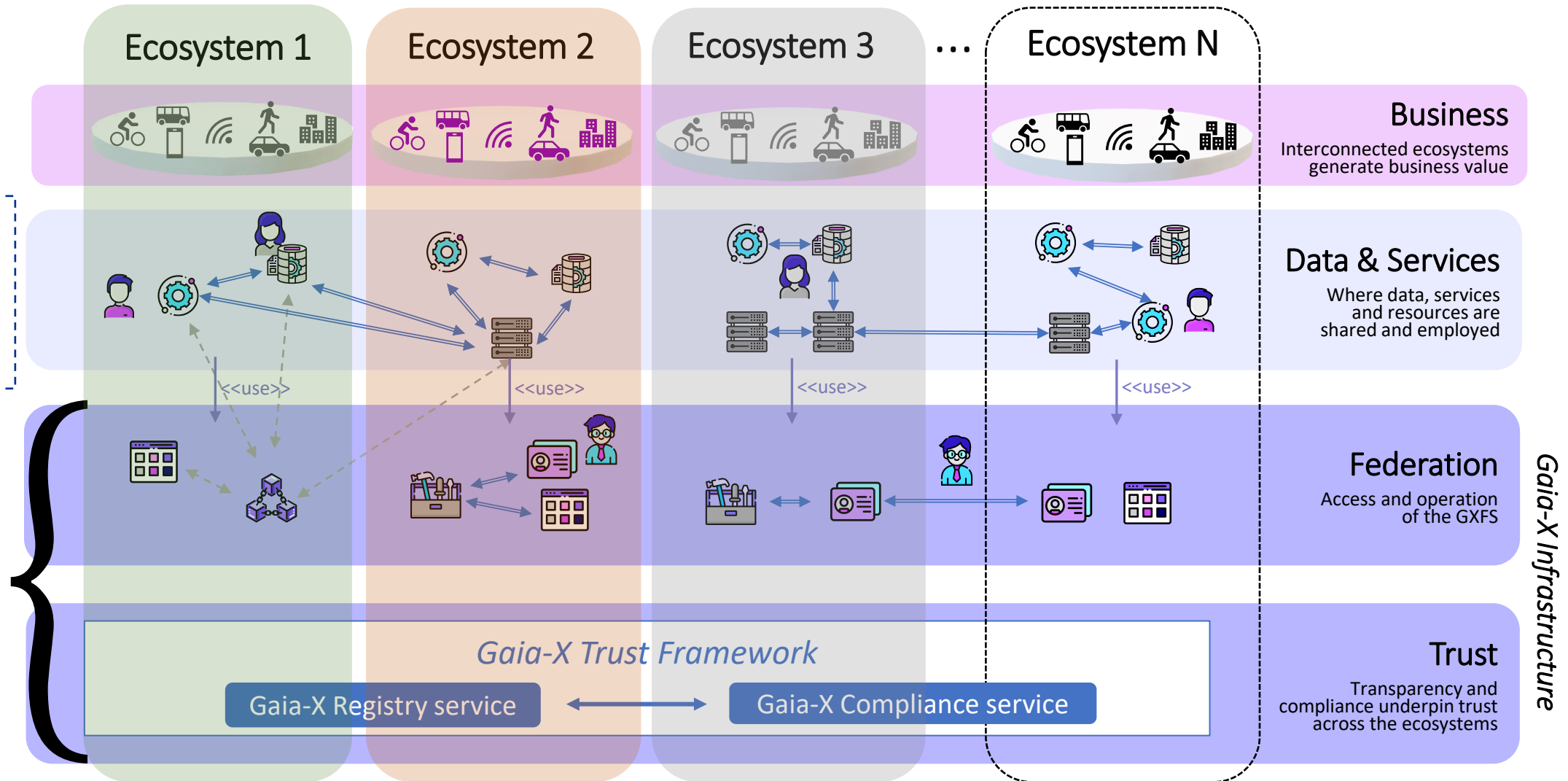
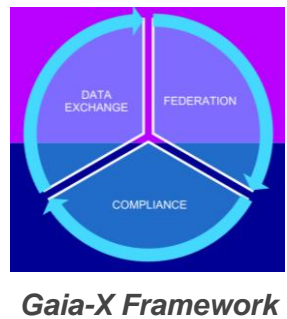
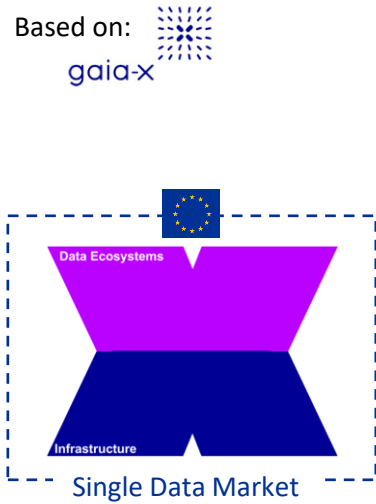
... that must be harnessed

- without the promotion of inequalities
- without mortgaging the industrial or technological future of the Union
- without compromising core EU rights and values.

# Gaia-X Value Proposal



# Gaia-X Architecture



# How to articulate it within and across national industries?

- Gaia-X Hubs are the keystone for **market adoption**
  - National contact points
  - Helping build ecosystems of professionals
  - Designing and deploying use cases (leveraging the Gaia-X framework)
- Member State **governments play an impactful role** within their Gaia-X communities
  - Arbitrate across market strategies
  - Are at the interplay between Data Economy instruments and EU regulatory frameworks
  - Cast light and guidance into specific market failures
  - Design and execute national strategies
- Thus, it seems reasonable that governments ensure that **allocated financial resources generate valuable outcomes**

# Governments remain key players

- European **data spaces are federated** by design
    - Their value grows and the number of node increases
  - EU-wide level **interoperability is a key success factor**, accross
 

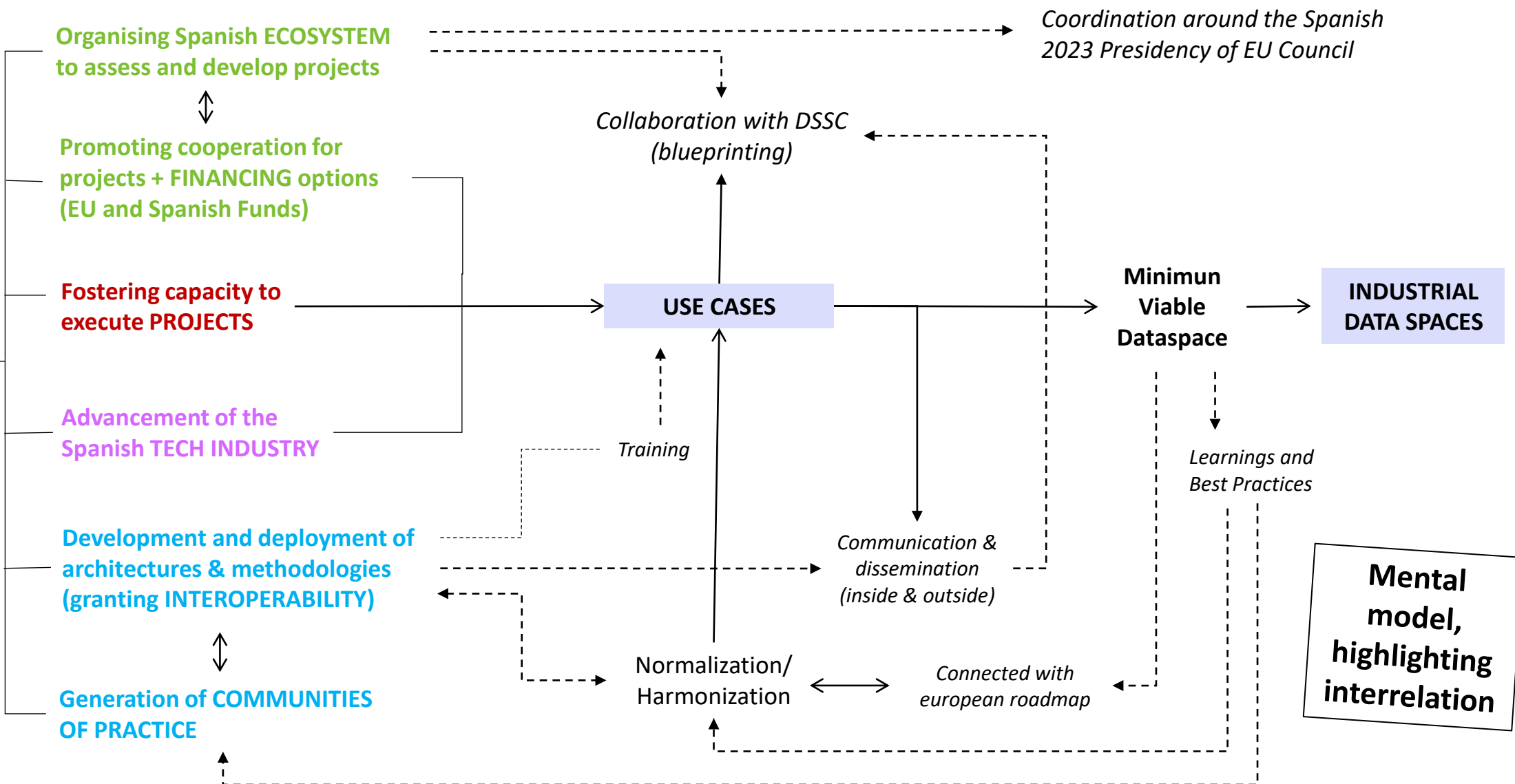
▪ Technical	▪ Legal	▪ Business
▪ Semantic	▪ Organizational	
  - Governments remain key players in driving interoperability
    - Harmonization around prime areas of investment, volumes of funding, coherence of proposals, advancement of projects, and recognizable best practices
    - A common process flow across both national projects and cross-country collaboration → Uniform spreading and implmentation of the Gaia-X message
- Results

  - 1) Productive economies of scale
  - 2) Guiding national constituencies towards Sovereign Data-driven Digitalization



# Public-private partnership for a Sovereign Data Economy & Digital Public Goods as enablers

# Gaia-X Hub Spain: Market Adoption



# Digital Public Goods

“Digital technology is shaping history. But there is also the sense that it is running away with us. Where will it take us? Will our dignity and rights be enhanced or diminished? Will our societies become more equal or less equal? Will we become more, or less, secure and safe?

The answers to these questions depend on our **ability to work together** across disciplines and actors, across nations and political divides (...).”



António Guterres



**United  
Nations**

Secretary-General

<https://www.un.org/en/content/digital-cooperation-roadmap/>



# Governmental interventions to foster Digital Public Goods

More specifically, the Spanish National Data Office:

## **Mission**

Overcoming challenges and barriers in the development of a prosperous Data Economy across different key national industries, by way of leveraging the current European positive political and regulatory frameworks, all while accelerating national capabilities

- There is the need to kick-start a thriving national data economy across several key industries, whereby interrelation generates synergies
- Thus, Digital Public Goods foster interoperability, and produce generalized and re-usable benefits
- Infrastructure Goods beyond technical: methodologies, models, best practices, ...

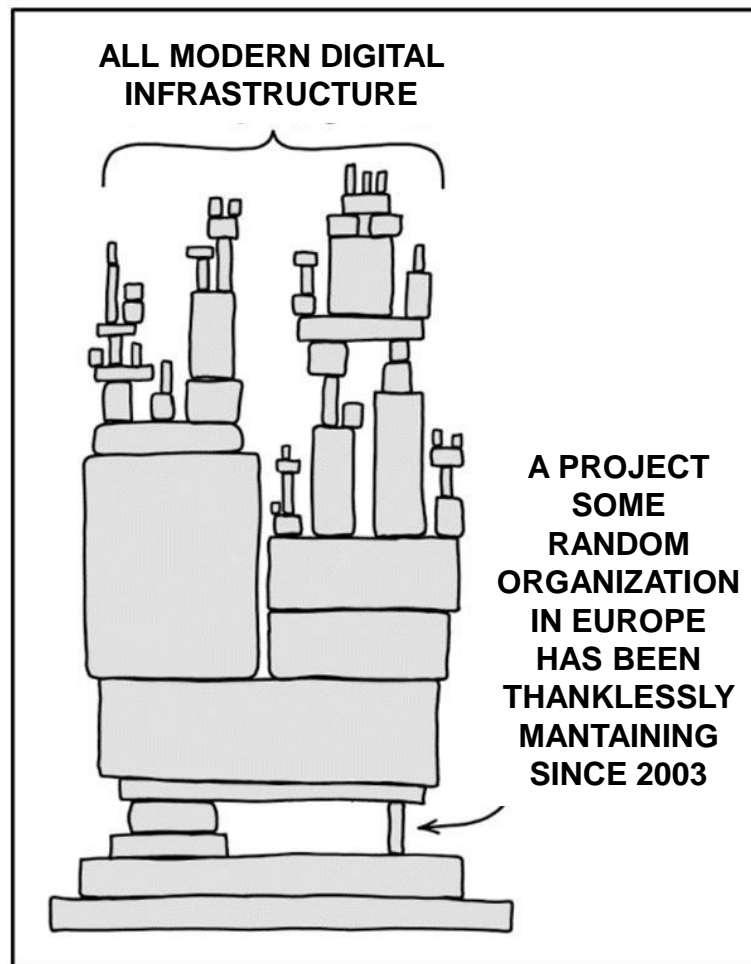
# Infrastructure in terms of Digital Public Goods

Digital technologies=  
Tools, systems,  
resources that generate,  
store or process data

Digital

Public Goods

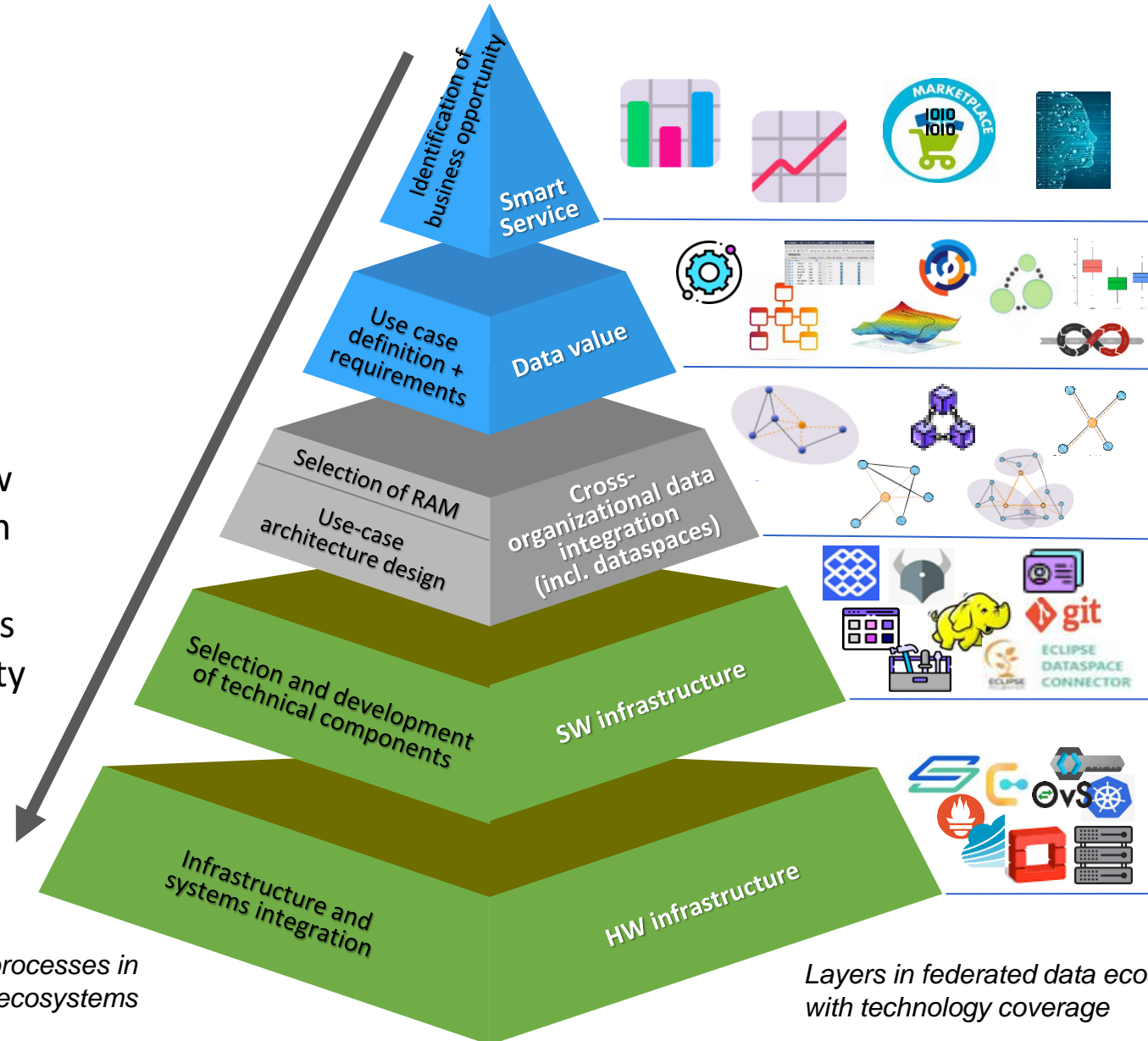
A commodity or service that is provided sans profit to all members of a society, for the benefit or well-being of the general public






Thus, Digital Public Goods help develop a **Digital Infrastructure** to makes us more resilient, prosperous and better connected.

# Governance Model and Gov's Role

- Aligning with the voice of the industry, and prioritizing the right investments
- Seeking harmonized implementations
- Promoting a Governance Framework that supports new models for digital cooperation
- SW & HW Digital Public Goods provide a means to re-usability and lowering entry-barriers



## DOMAINS

-  Business and data-modelling
-  Data-sharing
-  IT systems

*Development & processes in federated data ecosystems*

*Layers in federated data ecosystems, with technology coverage*



# What Digital Public Goods make sense for data spaces?

## InfraTech & Community Building:

- Cross-sectoral infrastructure & code: Architectural models, building blocks, components as-a-Service, experimentation and lab capabilities, ...
- Service Catalog: Datasets, computing, analytics, AI, BI, ... (akin to market push from the 'Offer side')
- Business analyses: As-is/To-be, gap detection, barriers & opportunities, SWOT and risk matrix, digital and data maturity models and tools, ...
- Collaborative environments: Whiteboards, Working Groups, IDEs, ...
- Knowledge management: Technical guides, FAQs, industry reports, common repositories, wikis and best practices, ...
- Heuristics & Community: References, discussion forums, project radars, ...



Oficina  
del **Dato**



# THANK YOU

*[oficina.dato@economia.gob.es](mailto:oficina.dato@economia.gob.es)*

*<https://oficinadato.gob.es>*