



# The Bigger Picture of single market digitalization

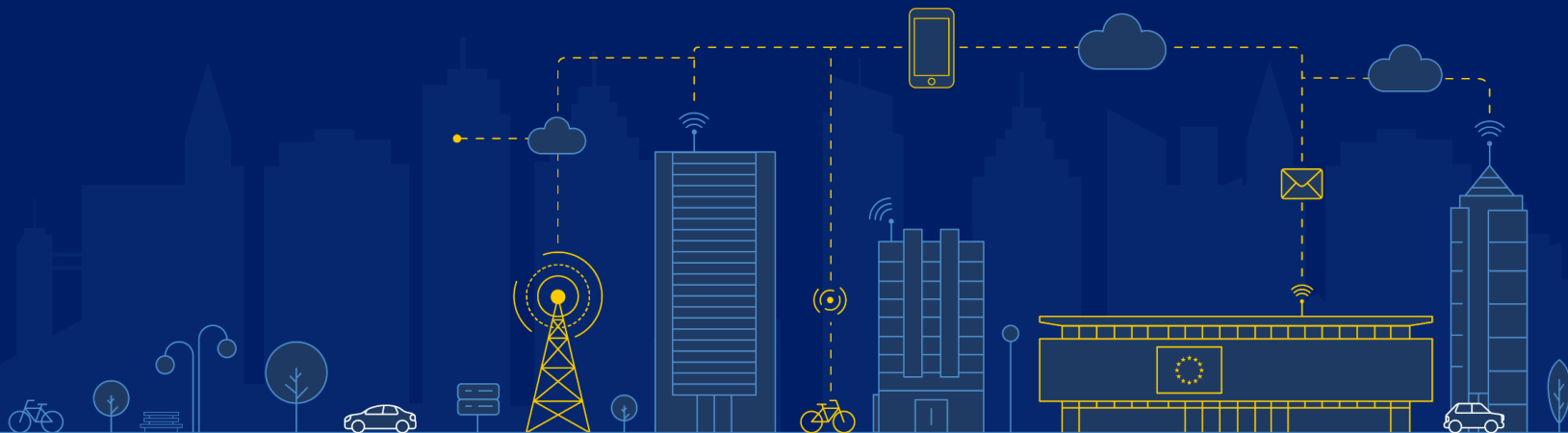
eFörvaltningsdagarna

9 October 2019, Kistamässan

**Emanuele Baldacci**

European Commission- DG DIGIT

Director Digital Services



Building **a Europe fit for the digital age** is an opportunity for government to better serve their people






The EU and Member States are working to ensure we can **all benefit** from the **digital single market**.

#### **CITIZENS**

-  cheaper products
-  more choice
-  more innovation

#### **BUSINESSES**

-  economies of scale
-  increased competitiveness
-  lower costs



**But as the world moves online,  
people need to know...**

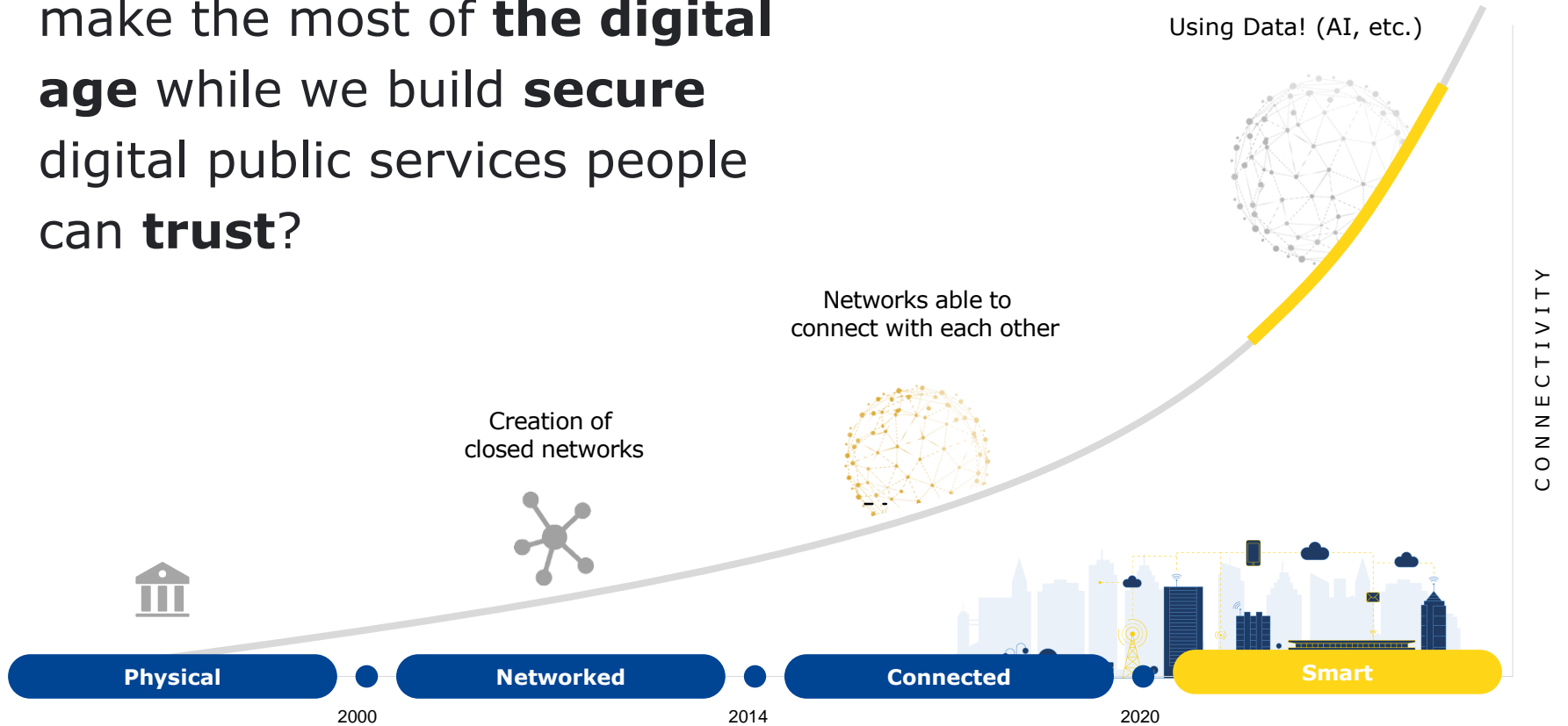
*How can I trust people are who they say they are online?*

*How can I trust the information I exchange online is secure?*

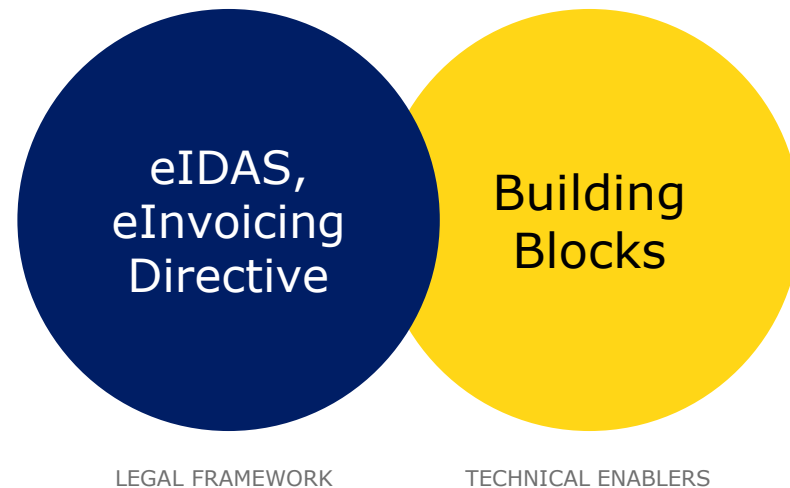
*Should I trust a digital signature?*

*Who has my data and who uses it?*

How do we ensure we can make the most of **the digital age** while we build **secure** digital public services people can **trust**?



The Commission provides the **legal framework** and **technical enablers** to build digital services that work **across sectors** and **borders**.



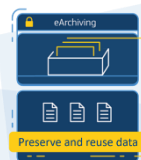
# Digital Europe's building blocks were design to help build the **next generation** of digital public services



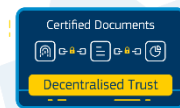
**Big Data Test Infrastructure**



**Context Broker**



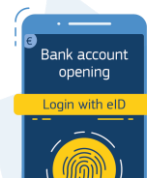
**eArchiving**



**European Blockchain**



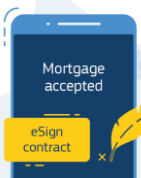
**eInvoicing**



**eID**



**eDelivery**



**eSignature**



**Once Only Principle**



**eTranslation**

# Sweden is leading the way by building **digital services** with building blocks

- Secure Digital Communication project: **eDelivery**;
- National Financial Management Authority: **eDelivery**;
- Swedish Customs: **eArchiving**;
- Swedish National Archives: **eArchiving**;

CEF grant funding: **€5.5 million** of CEF Telecom funding is earmarked for Swedish beneficiaries (with **21 agreements** signed for projects including Swedish beneficiaries);

## eGovernment in Sweden: **ISA<sup>2</sup> actions**:

- ✓ Joinup
- ✓ DCAT-AP
- ✓ E-Certis
- ✓ IMAPS
- ✓ NIFO
- ✓ TESTA
- ✓ eTRustEX
- ✓ European Parliament Crypto Tool
- ✓ EIRA

## Swedish participation in DSI building blocks

Number of projects and CEF funding (€ million)





# Projects across many sectors are using the building blocks to deliver **secure, cross-border** digital services



## eHealth

Enabling citizens to access their health data across the EU

[Read the story](#)



## eJustice

The e-Justice Portal is improving access to justice services throughout the EU

[Read the story](#)



## eCommerce

BRIS is creating a safer business environment for consumers and business partners

[Read the story](#)



## Social Security

ESSI ensures citizens have Faster payments of benefits across the EU

[Read the story](#)

**Europe's digital transformation** will enable governments to build **user-centric** digital services that work **across borders**.



Submitting tax declarations online



Enrolling in a foreign university



Remotely opening a bank account



Setting up a business in another Member State



Authenticating an online payment



Bidding to an online call for tender

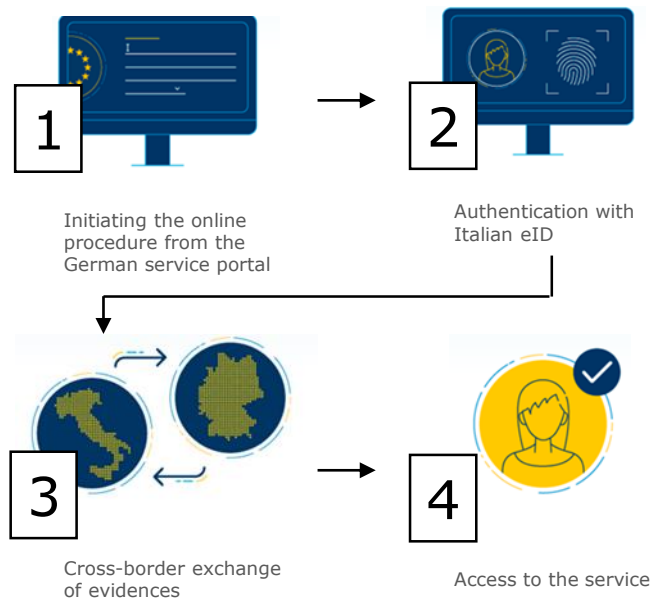
... and many, many more.

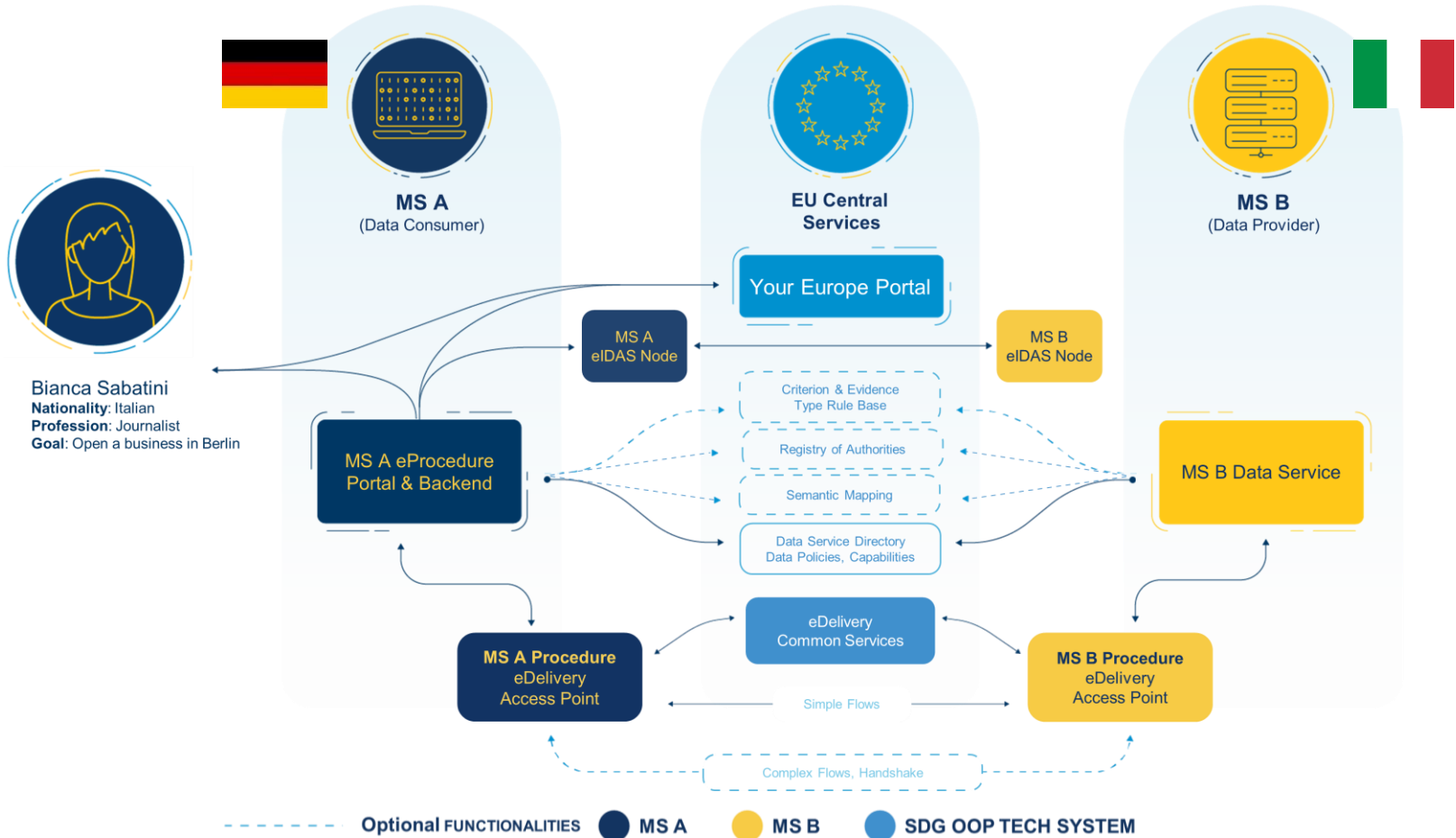
The **Once Only Principle** will ensure that citizens and businesses will provide the **data** to the public sector **only once**.



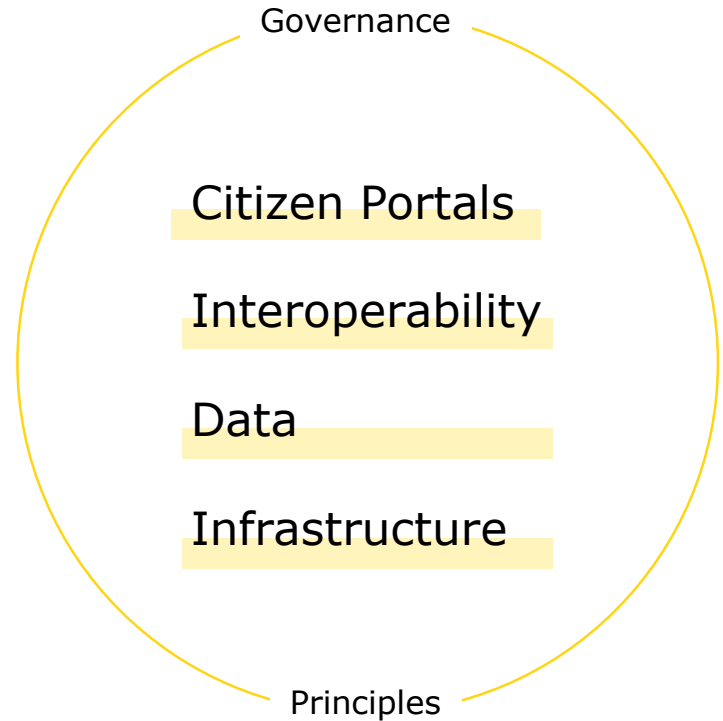
**Bianca Sabatini**

Italian journalist wants to open a business in Berlin





European Government  
Interoperability Platform will  
help Member States to push  
**their Digital Agenda  
forward.**



# The Future

The **Digital Europe Programme** will support investments by the EU, Member States and industry in the key areas of artificial intelligence, advanced computing and data handling, cybersecurity, and the advanced digital skills necessary to deploy them.



## Smart platforms

Offer large scale roll-out of AI-driven services in Smart Energy and Mobility, waste and secondary resource management, industry and (re)manufacturing, healthcare and e-government.

## Standardised Data Sets

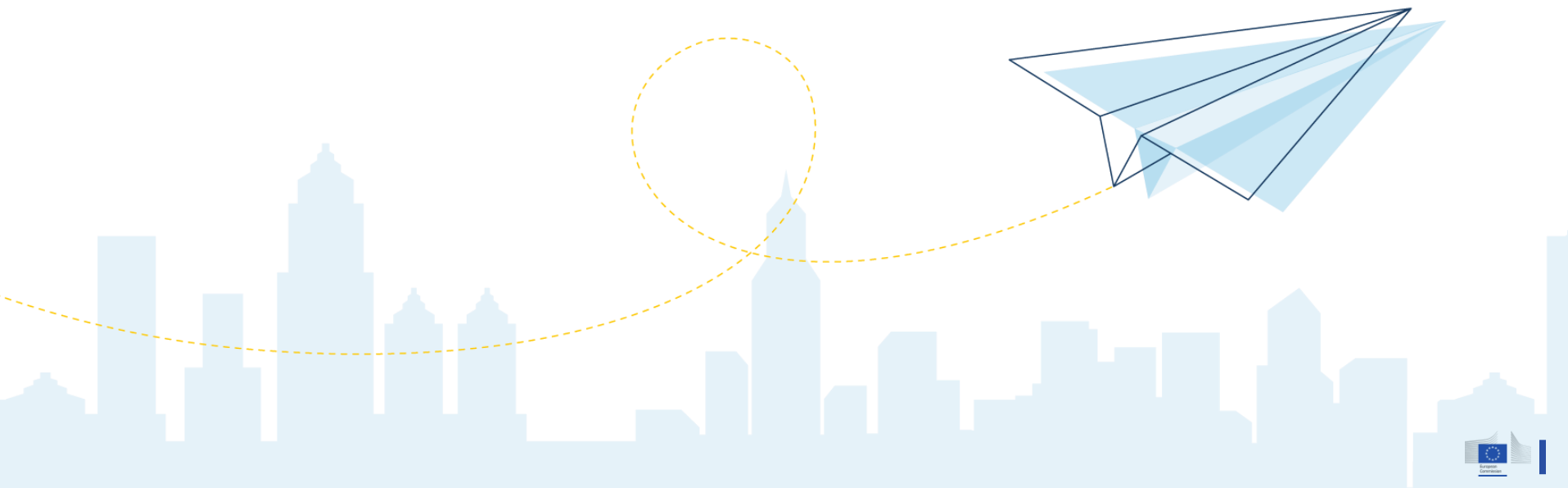
Offer easy standardised access to new datasets;

## Open platforms

Support the deployment of open, interoperable, trustworthy urban digital platforms tailored to communities' needs;

# **We invite you to respond to the public consultation open about Digital European Programme.**

Closing on 25 October 2019



ANNEXE



# Pan-European digital service infrastructure for public (open) data



# Why does **open** **(public) data** matter for Europe?



Untapped business and economic opportunities: data is the new gold



Better governance and citizen empowerment: open data increases transparency, citizen participation and administrative efficiency and accountability



Addressing societal challenges: data can enhance sustainability of health care systems; essential for tackling environmental challenges



Accelerating scientific progress: e-science essential for meeting the challenges of the 21st century in scientific discovery and learning.

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# OBJECTIVES

## Data Access

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Improve access to reusable public data assets in Europe facilitating the discoverability of such data

## Data Reuse

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Increase the number of services and products building on public data assets

## Data Assets

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Increase the number of published data assets by public administrations in the EU and EEA

## Data Sustainability

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Support the sustainability of (open) data portal infrastructures by providing evidence on their impact.

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# ACTIONS

## European Data Portal

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Creation and maintenance of the portal

- 800,000 datasets
- 81 National and Regional catalogues
- 25 languages

## CEF Building Blocks

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**Context Broker**



**Big Data Test Infrastructure**

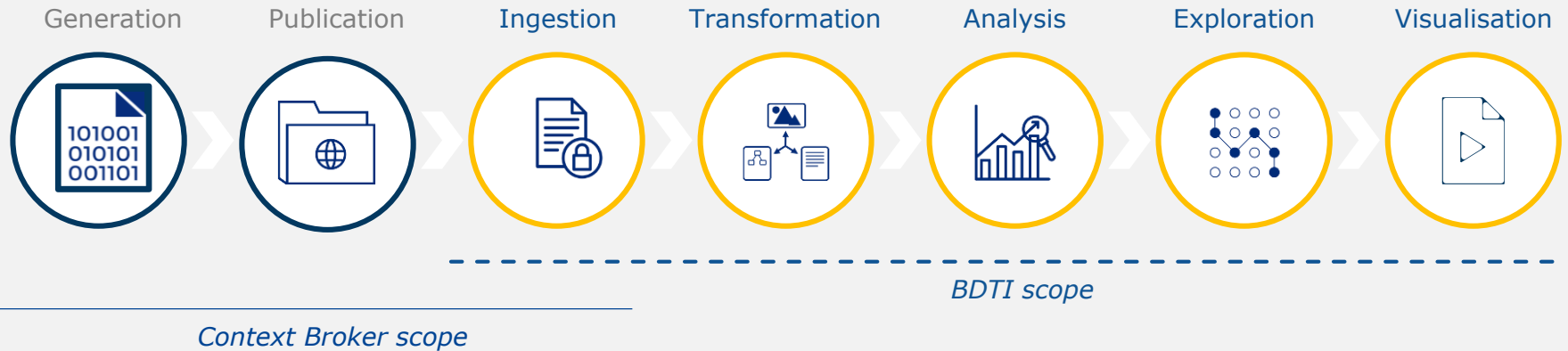
## Support Centre

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Support Centre for data sharing, live since July 2019

# Public Open Data Infrastructure and the building blocks

**Big Bata Test Infrastructure** and **Context Broker** help us build a data platform to leverage our data



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# European Government Interoperability Platform

Data Platforms

Data-driven public  
services

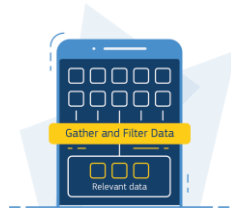


Information sharing  
organisation

Data-drive decision  
making

# What Digital Infrastructure?

Building Block Digital Service Infrastructure (DSI) provide basic functionality and are reusable by sector-specific DSIs



**Context Broker**



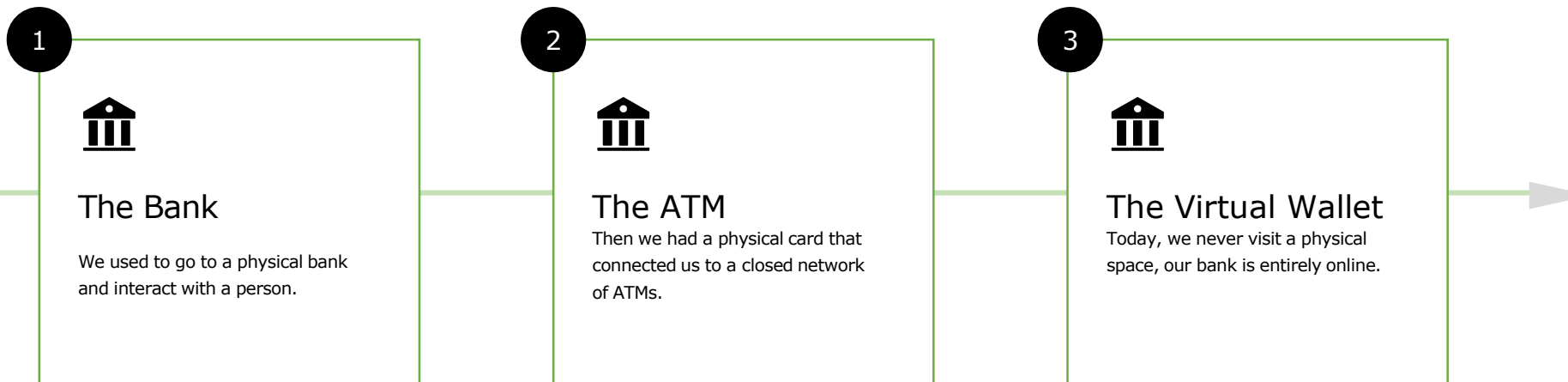
**Big Data Test Infrastructure**

Sector-specific DSIs provide trans-European interoperable online services for citizens, business and public administrations

**Examples are: Public Open Data**

# In the digital age, government and business need a new way of building services people can trust

Digital transformation means services are moving through stages: 1) Physical 2) Closed network 3) Open internet (connected network).





# Every sector is designing digital services that rely on people's trust.



## eHealth

Enabling citizens to access their health data across the EU



## eJustice

The eJustice Portal is improving access to justice services throughout the EU



## eCommerce

Online Dispute Resolution makes online shopping safer and fairer across the EU

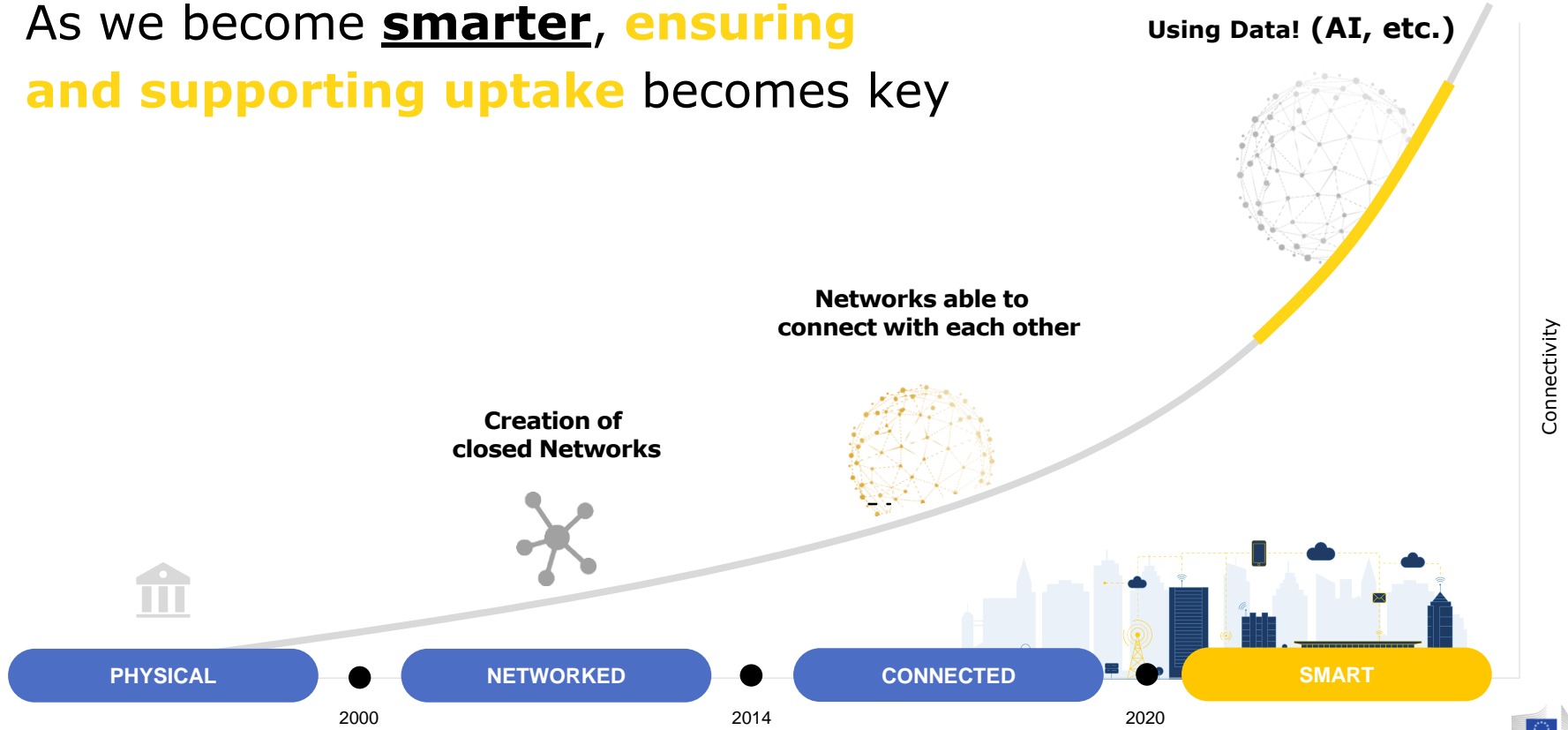


## Social Security

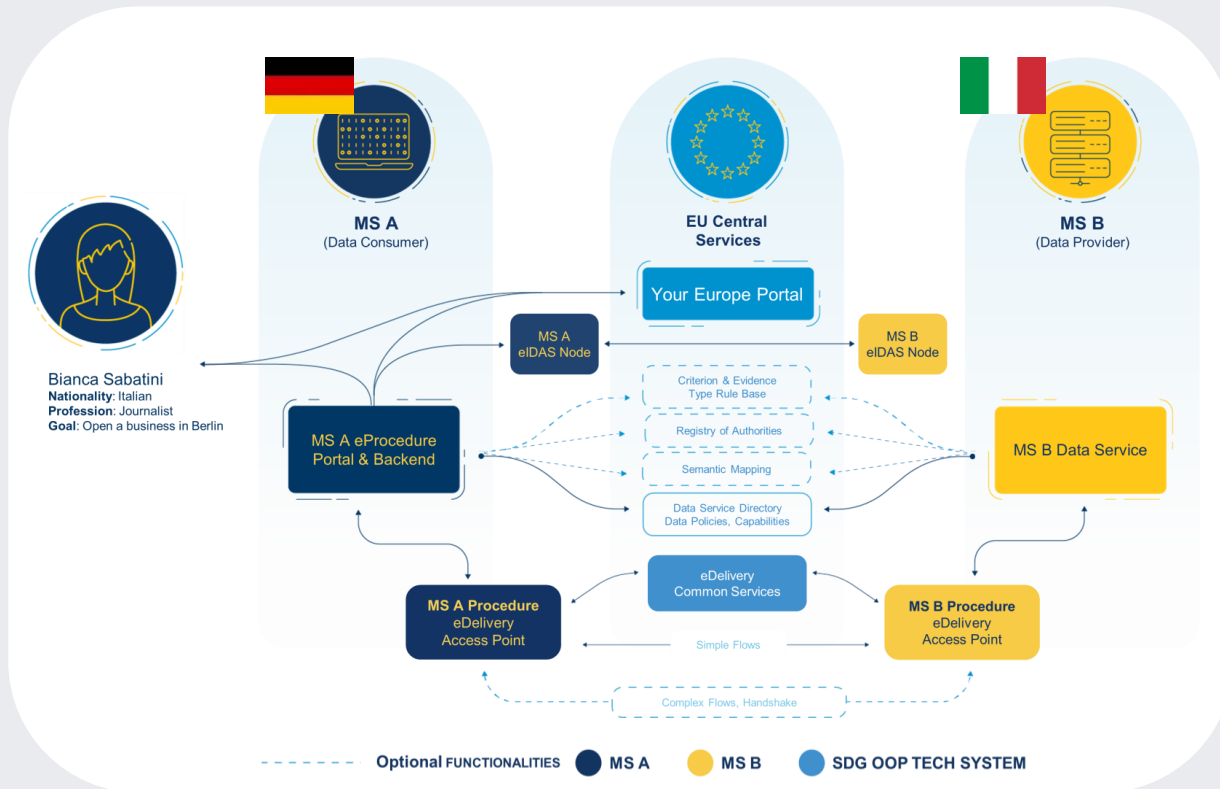
Faster calculation and payment of benefits across the EU

Once Only

As we become **smarter**, **ensuring**  
**and supporting uptake** becomes key



# SDG Once Only technical system



**Your Europe:** portal providing the central EU entry point for citizens in the SDG context (EC)

**eIDAS Node:** components allowing cross-border authentication of citizens (MS)

**eProcedure Portal and Backend:** website and backend functionality allowing citizens to perform procedures electronically (MS)

**Data Service:** service that allows data to be requested electronically

**Data Service Directory:** directory service that indicates which (if any) parties in a given Member State provide a particular type of evidence data

**eDelivery Access Point:** component that provides messaging services

**eDelivery Common Services:** services (such as providing routing addressing data) that supports messaging

**Criterion & Evidence Type Rule Base:** service that publishes which types of evidence Member States can provide to prove a particular criterion is met

**Semantic Mapping:** service that provides multilingual content mapping in evidence requests or responses

**Registry of Authorities:** registry that lists, for each public administration in any MS A, the procedures for which it is authorized to request evidence from other member states

# Building the OOP system together (SDG Article 14)

## OOP CEF Digital Preparatory Action

- Prepare the sustainability of the assets created by TOOP, support the drafting of the technical specifications and promote the readiness of Member States

## Studies

- Meta data mapping
- Analysis of MS readiness
- European taxonomy for public services
- APIs for CPSV-AP based Catalogue of Services



## TOOP large scale pilot + DE4A

- Large scale pilot piloting a cross-border federated architecture.



## SDG Coordination Group

Technical meetings and the drafting of the Article 14 implementing act



## Digital Europe Programme

- Support actions and Grants to Member States connecting to the federated infrastructure

As we become more **connected**, ensuring **trust, privacy and cybersecurity** becomes more challenging

