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Digital-ready policymaking

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interoperable
europe

Digital-ready policymaking: What it is

Policies (and legislative acts) are digital-ready if they enable smooth and digital by default policy implementation and foster digital transformation **through best use of digital technologies and data.**

"Digital-ready policymaking is the process of formulating digital-ready policies and legislation by **considering digital aspects from the start of the policy cycle** to ensure that they are ready for the digital age, future-proof and interoperable. It also encompasses the use of innovative methodologies and tools (e.g., AI powered) in the policy design, analysis and implementation process."

Better regulation tool #28 on Digital-ready policymaking

Digital-ready policymaking: Why it is important

Benefits:

- EU Institutions: quicker and smoother adoption of new policy proposals, as the viewpoints of those responsible for digital implementation have been duly considered.
- Member State Administrations: **timelier and less costly digital implementation of EU legislation thanks to proper digital and interoperability assessment early in the policy design cycle.**
- Businesses and Citizens: less costly and timelier interactions with public administrations through user-centric digital channels thanks to the digital-by-default approach taken by EU legislation.

Calls from Member States:

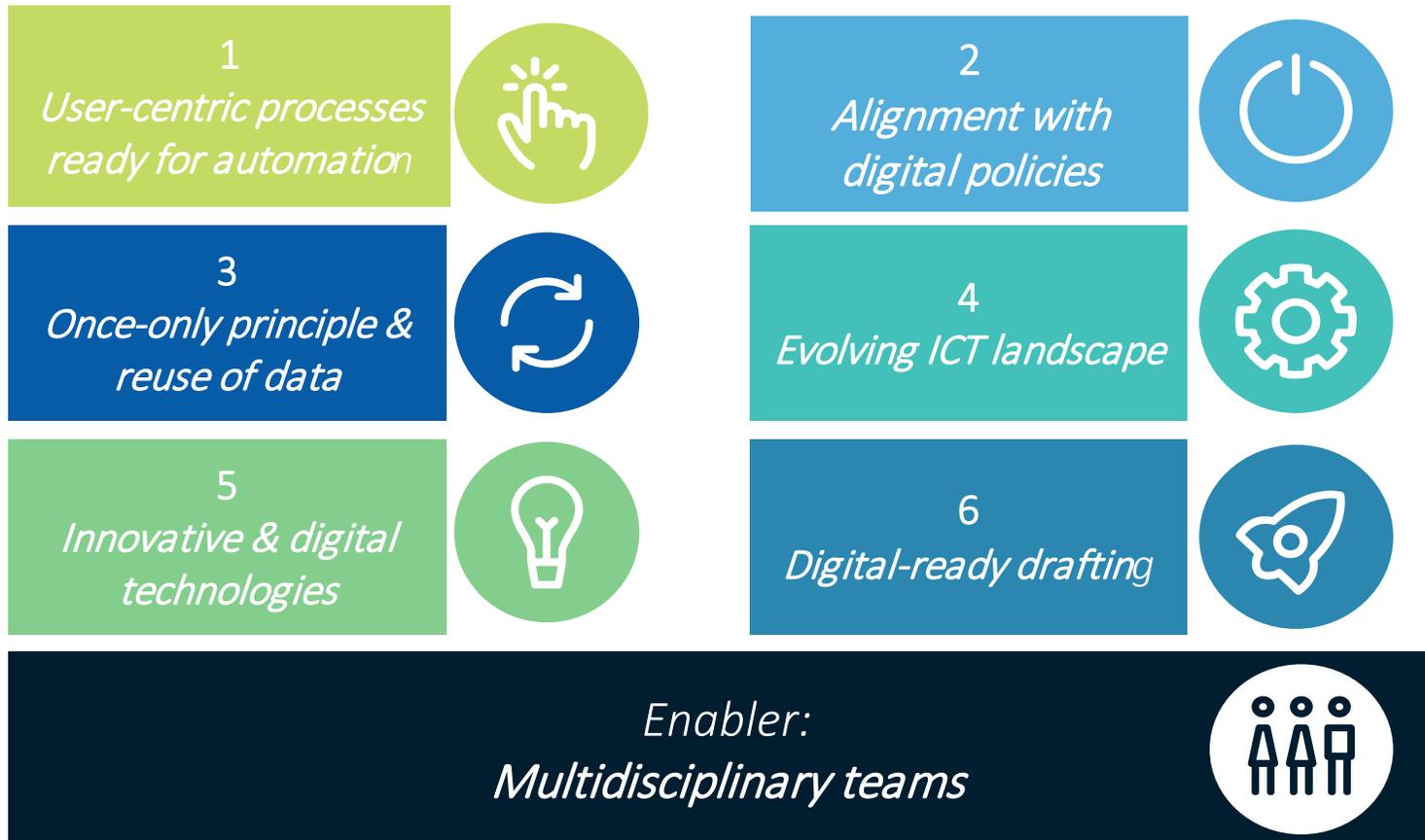
- Denmark 2018;
- Berlin Declaration 2020;
- German Coalition Agreement 2021.

European Commission (EC):

- Better Regulation requirements
- EC Digital Strategy
- Upcoming support service

Better Regulation Tool #28

Digital-ready policies: components and enabler



The Once-Only Principle, instruments and practices

1. Legal framework

- Align with legal measures:
 - [Data Governance Act](#)
 - [Data Act](#)
 - [High Value Datasets](#)
 - GDPR or [Regulation \(EU\) 2018/1725](#)
 - Etc.

3. Semantic aspects:

- Assess which **data is needed** to design, implement, and monitor the policy.
- Explore what **data is already available** for reuse across policy domains
- **Reuse concepts**, making sure they are **well-defined** so as to avoid overlaps (define ontologies, etc.)
- Get inspired by best practices (e.g. [EU Vocabularies](#))

2. Organisation and skills

- Set up a network of **Data Correspondents** per policy domain, **Data Governance experts**, and the **Data Protection Coordinator** when applicable.
- Set up **data literacy** campaigns
- Build capacity around semantic skills
- Develop best practices for [streamlined regulatory reporting](#) by means of a community

4. Tools

- **Foster the reusability of the data-sets** managed under the policy, removing obstacles to data sharing by using:
 - [Base registries](#) and [Data Catalogues](#)
 - Open data sets (e.g. [open data portal](#)) and data spaces
 - [Once Only Technical System](#)
 - [Big Data Test Infrastructure](#)

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Check also the annexes, which contain useful resources!



Annexes



Base Registries – from Access to Interconnection

Overview of Base Registries

A **Base Registry*** is a digital system acting as the single source of truth for public data



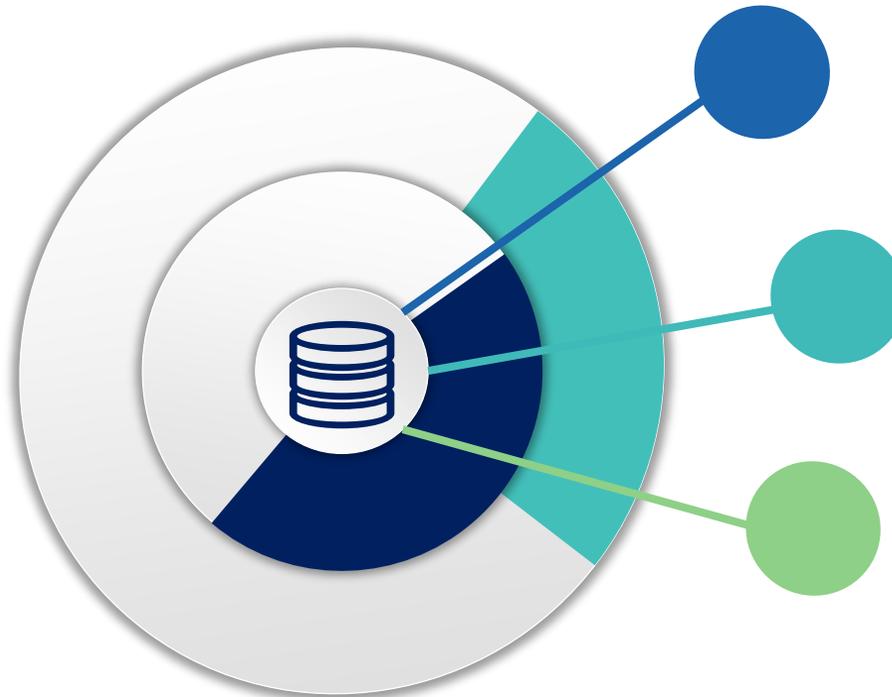
Core to the operations of a public government.

Continuously **evolving** as data is in constant flux



Challenges:

Information models change
History has to be maintained



Highly/tightly **connected** with other systems



Across boundaries of agencies, departments,... but also jurisdictions (regional > national > EU)

* [Base Registries | Joinup \(europa.eu\)](https://joinup.europa.eu)

Interoperability is key challenge for Base Registries

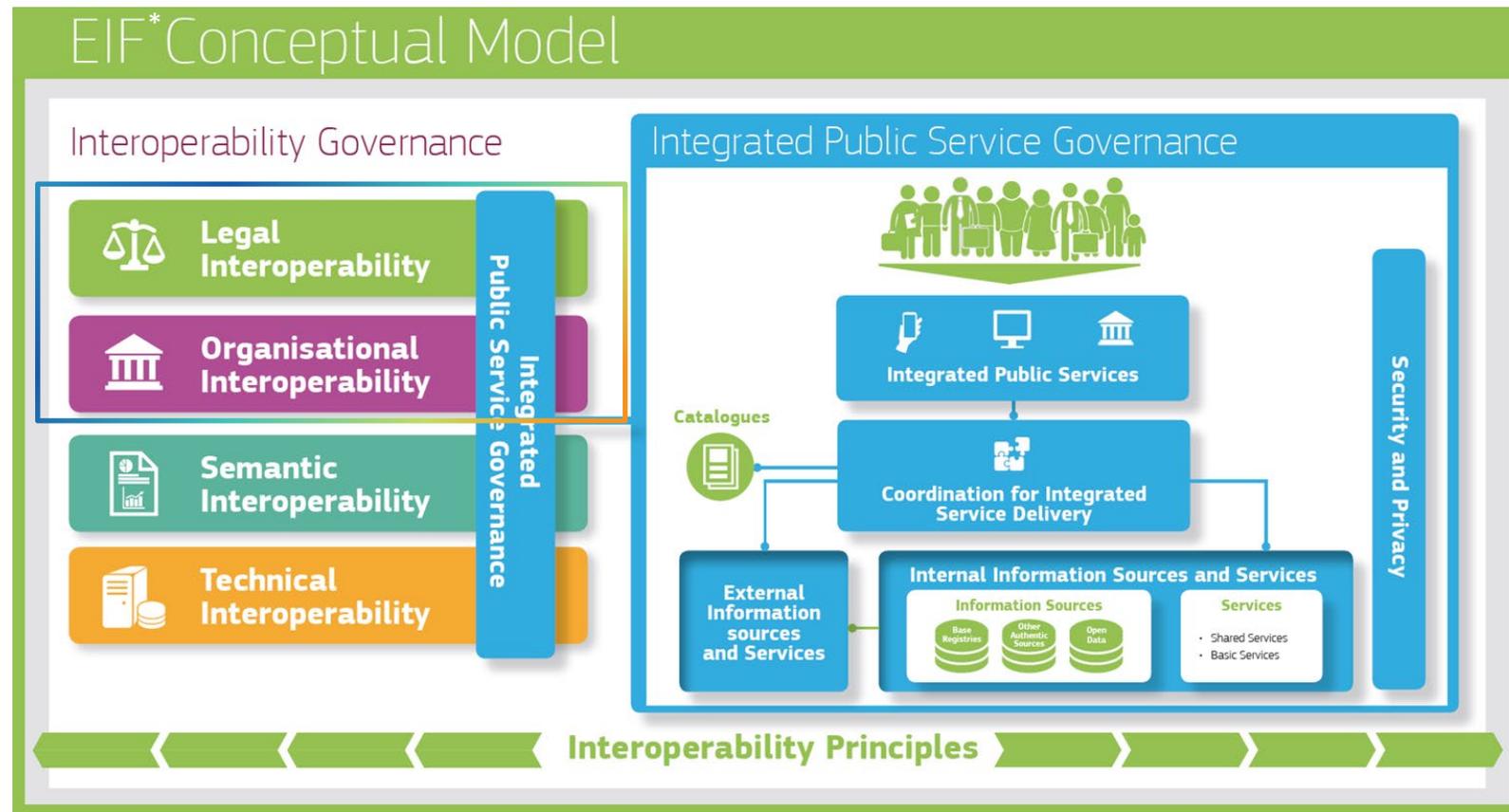


ACCESS TO BASE REGISTRIES

informs, highlights, shares experiences, collects EU landscape insights, ...

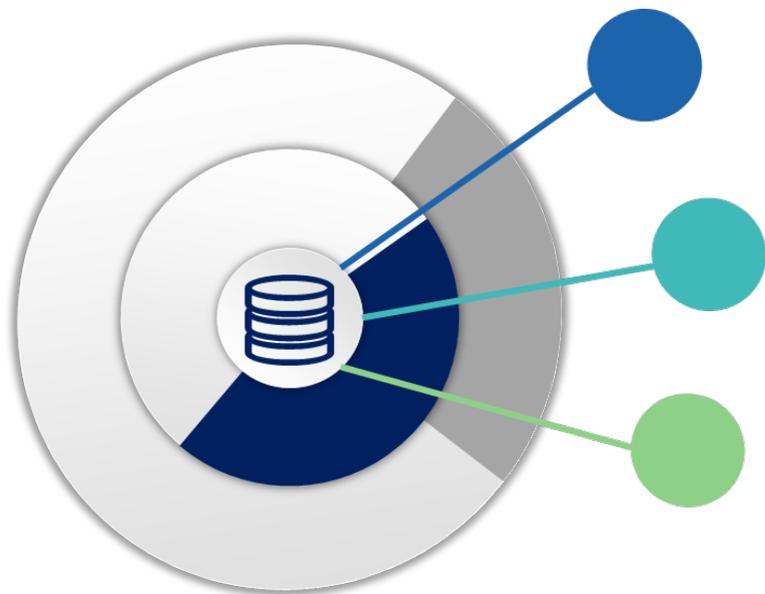
ACCESS TO BASE REGISTRIES

can provide more in-depth assistance: e.g., BRegDCAT-AP, Linked Data, and recently also LDES



* European Interoperability Framework

SEMIC Specifications for Base Registries



Specifications

DCAT-AP
+
CPSV-AP

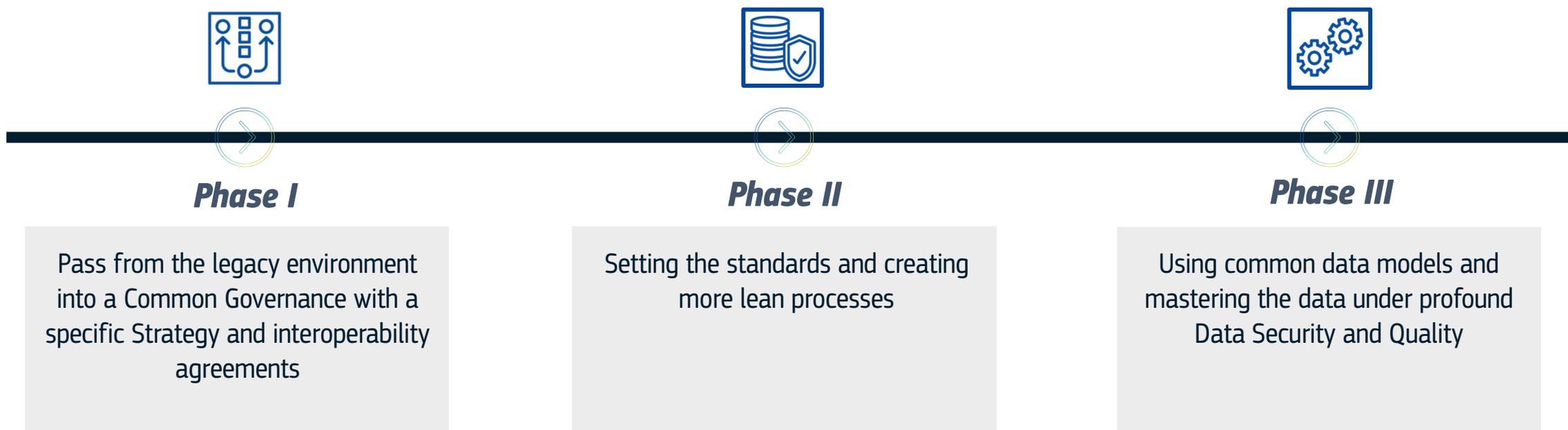


BRegDCAT-AP

- A Base Registry entity can be modelled with Core Vocabularies -> [Specifications | Joinup \(europa.eu\)](#)
- Base Registry datasets can be modelled with DCAT-AP -> [ABR Specifications | Joinup \(europa.eu\)](#)
- Public services serving or using data from Base Registries can be expressed with the Application Profile of the Core Public Service Vocabulary (CPSV-AP) -> [CoS Specifications | Joinup \(europa.eu\)](#)

Interconnecting base registries – the BRAIF*

The **Base Registries Interconnecting Framework (BRAIF)** defines key phases to follow for successfully establishing interconnectivity.



*[BRAIF Conceptual model | Joinup \(europa.eu\)](#)



Big Data Test Infrastructure

Tools: The Big Data Test Infrastructure

What is the Big Data Test Infrastructure (BDTI) ?

Test your idea → Extract value → Create knowledge



Six months free of charge service for EU public administrations *



Ready-to-use data analytics stack and support



Cloud platform based on open-source tools



- To help the public sector to derive insights from data and accelerate transition towards data-informed decision making.
- Not only for big data, for public sector information in general (i.e. open data)

* The cost of the pilot project must fit within the funding boundaries of the BDTI pilot budget, funded by the Digital Europe Program (DEP)

Tools: The Big Data Test Infrastructure

Who is the Big Data Test Infrastructure (BDTI) for?



European Public Administrations

All European Public Administrations at **local, regional and national level** can independently apply for a BDTI pilot project



Ecosystem with academia and private sector

Academia, spin-off, startups can apply for pilot projects if there is a **clear collaboration** with a Public Administration as main contact point (Master/PhD, GovTech startups)

Are you working for a public administration in need of infrastructure for data analytics?

Contact us: **EC-BDTI-PILOTS@ec.europa.eu**

BDTI's website



BDTI's Joinup page

