



21 MARCH
2023

BRegDCAT-AP and Access to Base Registries (ABR)

SEMIC team

interoperable
europe

Ground rules for the webinar



Audio Connection

Click “**Connect audio**” to hear the presenters

Please **mute your microphone** when you are not speaking.



Q&A Sessions

During Q&A sessions, use the ‘**raise hand**’ function and our team will give you the floor.

During speakers’ presentations, please **submit your questions in the WebEx chat**.



Technical difficulties?

For any issues with WebEx, please raise them by **writing privately to the HOST** in the WebEx chat.



Recording

Please note that this **webinar** will be **recorded** and **shared publicly** on the Youtube channel of Interoperable Europe.

Agenda



1

Objectives of the webinar

2

Updates for the Base Registries community

3

BRegDCAT-AP – purpose and current status

4

BRegDCAT-AP – possible scenarios for the future

5

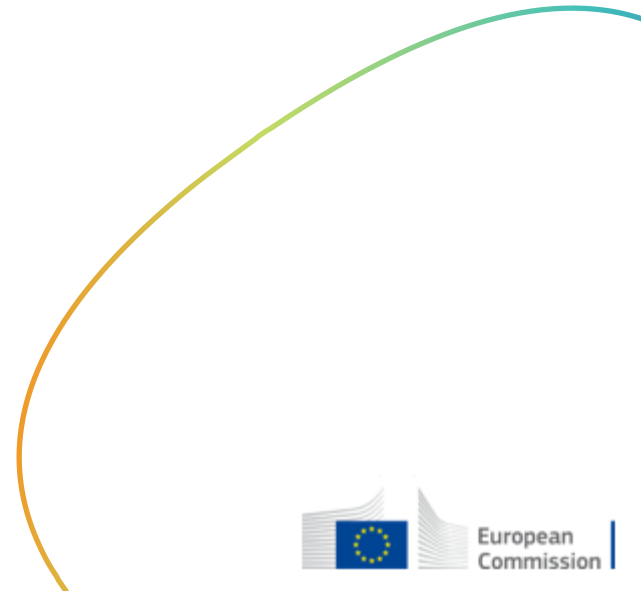
Wrap-up and next steps

1. Objectives of the webinar



Objectives of this webinar



- Present the **current state of BRegDCAT-AP** - its intended function and role in relation to DCAT-AP
 - Discuss with the Community the **future steps and strategy** related to the **BRegDCAT-AP specification**
 - Discuss the BRegDCAT-AP related issues on SEMIC [GitHub](#)
- 



2. Updates for the Base Registries Community

Claudio Valle

Access to Base Registries (ABR) – purpose of the action



- Launched by ISA² in 2016
- Improving national and cross-border access to government data
- Provide a common framework, specification, reusable tools, guidelines
- Community engagement and bottom-up needs and priorities identification (no legal obligations)

Main tools and outputs

**ABR Guidelines
and training**

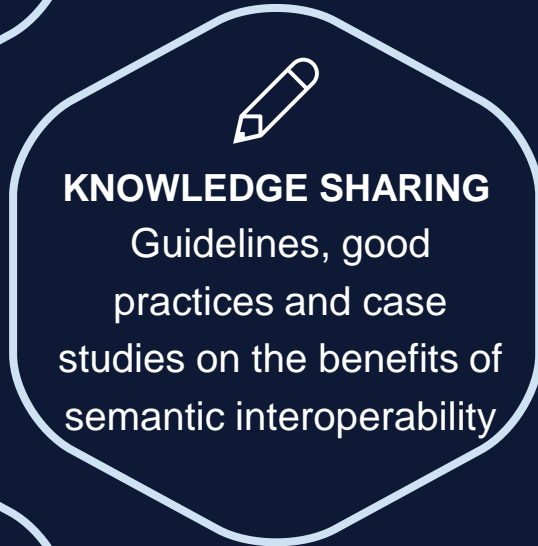
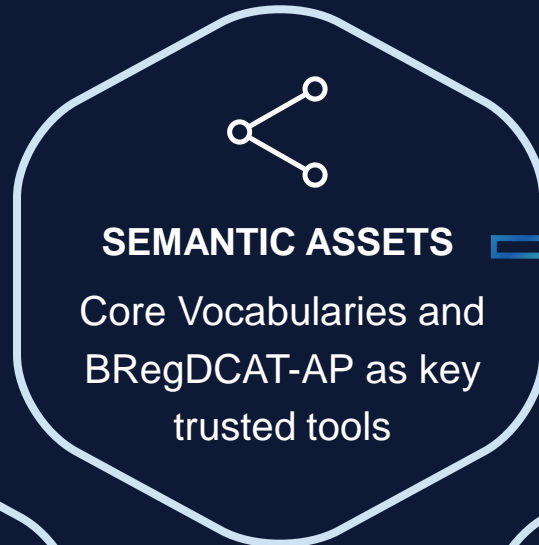
**BRAIF
interconnection
framework**

**BRegDCAT-AP and
related tools**

ABR factsheets

SEMIC expertise in support of ABR

SEMIC and Access to Base
Registries joined forces to boost
interoperability across public
administrations in the EU



ABR Guidelines review



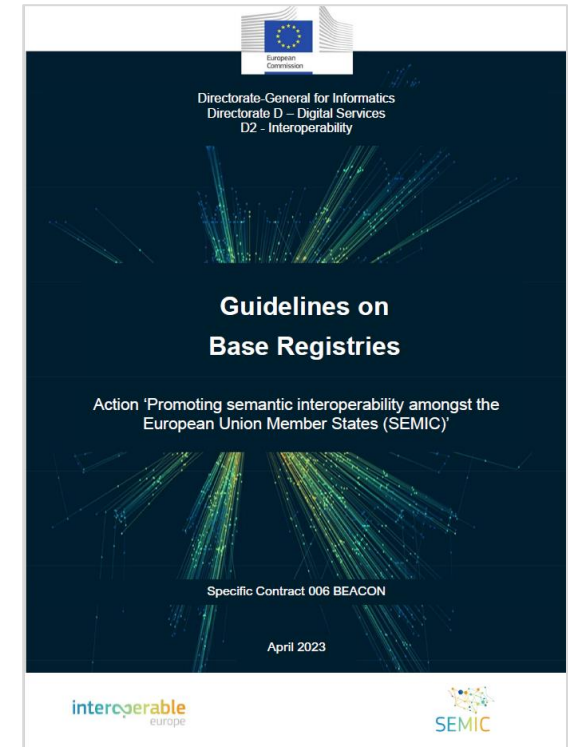
Objectives of the document

- Provide high-level knowledge on base registries interconnection
- Highlight challenges that may hinder base registries interconnection and the creation of Registries of Registries;
- Provide good practice examples on solutions for the effective cross-border and cross-sector base registries interoperability.



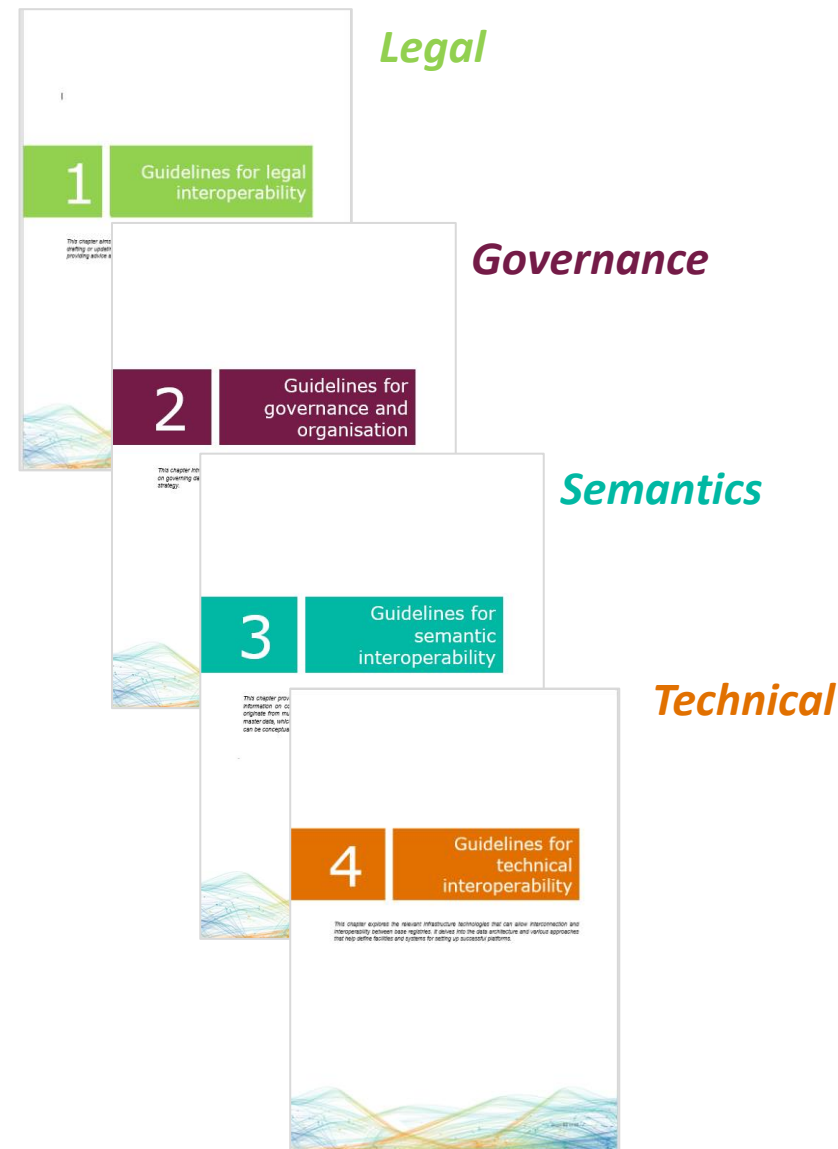
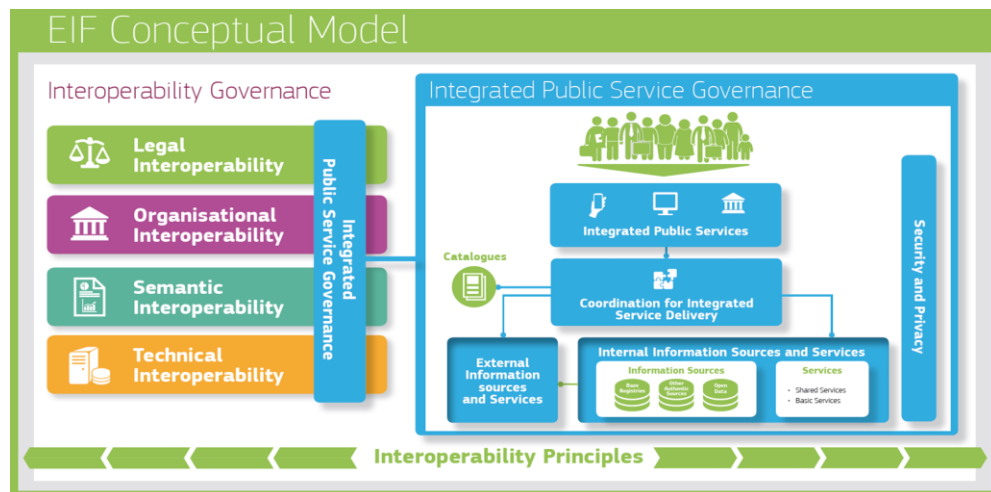
Scope of the review

- Update existing content
- Improve readability
- Align with current SEMIC Toolkit



ABR Guidelines review: Structure

Four thematic chapters, to seek **alignment with the European Interoperability Framework (EIF)**



Total of 34 guidelines for base registries interconnection

Inspirational case examples and best practices are provided for specific guidelines

Survey Access to Base Registries and LDES



Survey ABR and LDES

- Launched in January 2023
- 5 questions - completion time 5 min
- Some follow-up interviews already conducted with MS



Objective survey

- Understand MS challenges and needs on ABR (and LDES)
- Directly collect views and suggestions to prioritise future support under SEMIC



The survey on ABR and LDES is still open **until 31 March 2023**.

- [Link](#) provided in chat

1. Reuse of semantic assets

2. Challenges for base registries

3. Guidelines to support ABR

4. LDES adoption

5. SEMIC support

Don't miss your chance and fill in the survey!

THANK YOU!



3. BRegDCAT-AP: purpose and current status


Bert Van Nuffelen

Process for modelling Base Registries

- A Base Registry entity can be modelled with Core Vocabularies
- Base Registry datasets can be modelled with DCAT-AP
- Public services serving or using data from Base Registries can be expressed with the Application Profile of the Core Public Service Vocabulary (CPSV-AP)



BRegDCAT-AP - Overview

Intended function

BRegDCAT-AP allows the modelling of the datasets and the services accessing the data provided by base registries.

Scope

BRegDCAT-AP is intended to **describe base registries**, which are needed for efficient data exchange among different registries, also cross-border.

Advantages

A common approach for modelling Base Registries

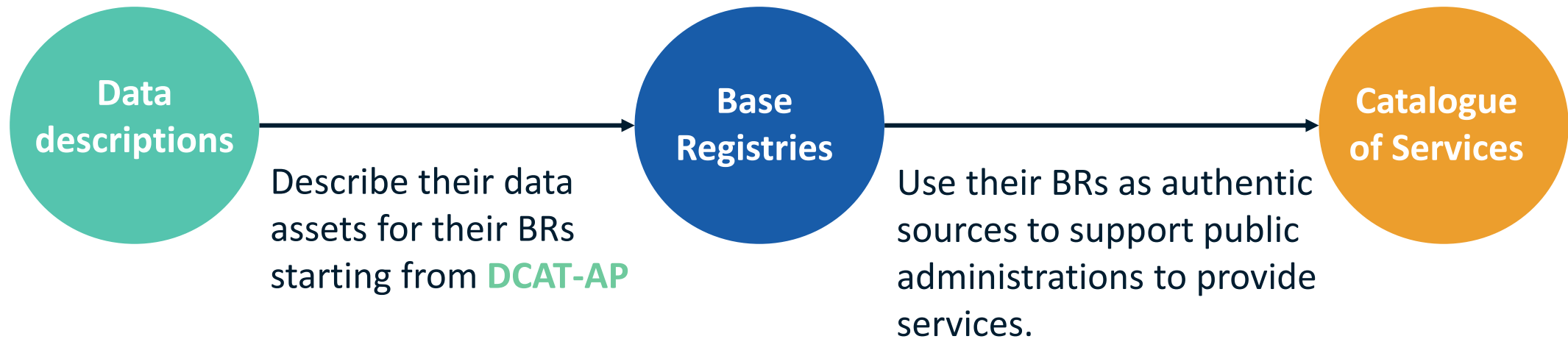


EU wide overview, i.e. a Registry of Registries, becomes possible.

Adoption of BRegDCAT-AP

➤ BRegDCAT-AP combines the data (DCAT-AP) and the service (CPSV-AP) views

➤ In some cases we observed the following implementation approach of our solutions:



These services are discoverable in catalogues using **CPSV-AP**

BRegDCAT-AP and SEMIC Supporting tools

3 main types of **Open Source Tools** provided under SEMIC

ABR tools (except Harvester) were **based on CPSV-AP** ones



HARVESTERS

Harvest data from existing catalogs



CPSV-AP Description Harvester

BRegDCAT-AP Harvester



VALIDATORS

Validate the data compliance with certain specifications



CPSV-AP Validator

DCAT-AP Validator

BRegDCAT-AP Validator



WEB EDITORS

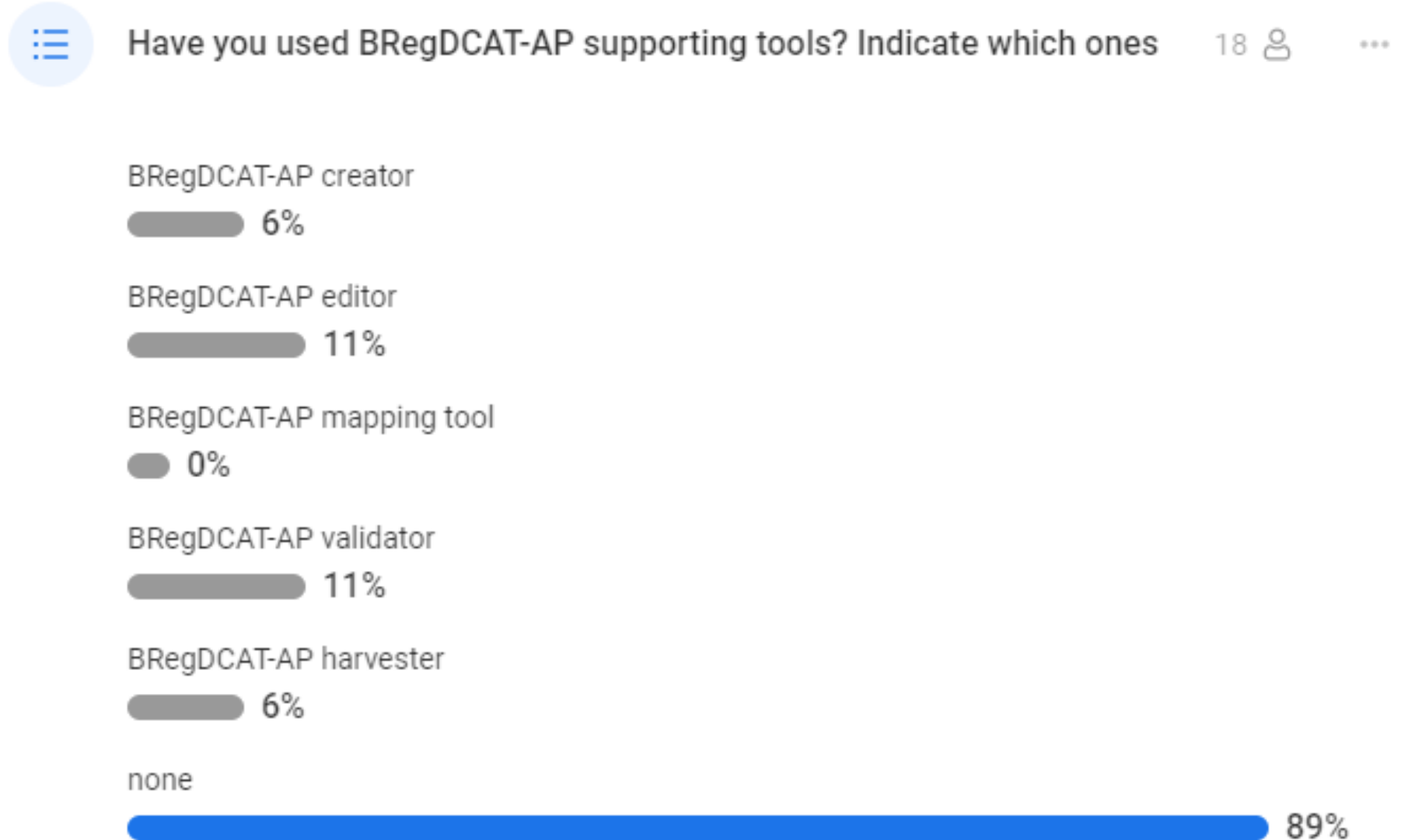
A user friendly way to edit specification compliant data




CPSV-AP Editor

BRegDCAT-AP Editor

Poll results



4. BRegDCAT-AP: possible scenarios for the future


Bert Van Nuffelen

Future of BRegDCAT-AP

Challenges

Relationship with DCAT-AP?
Child, sibling or identical?

- In the past, repeated discussions of the same topics.
- Alignment editorial effort (DCAT-AP gets updated -> propagation)



Future

Clarify position BRegDCAT-AP in the landscape (improve the scope)

- Scope discussions to the right place
- Reduced editorial effort

Definition of Base Registry



Base registries are....

- trusted and reliable sources of basic information on data items, such as citizens, corporations, vehicles, driver licences, buildings, and locations.
- cornerstone of public services and essential entities for public administration management.



The EIF identifies a base registry as a...

*“**trusted and authoritative source** of information which can and should be **digitally reused** by others and in which **one organisation is responsible** and accountable for the collection, usage, updating and preservation of information”.*

Source: Guidelines & context BRegDCAT-AP

Base Registry – an enabler for Once Only

Once Only principle

- Goal: during an interaction with a citizen (user) the (access to) the data is asked once.
- Advantage: From the moment the knowledge has been acquired the data is shared throughout the interaction.

↓

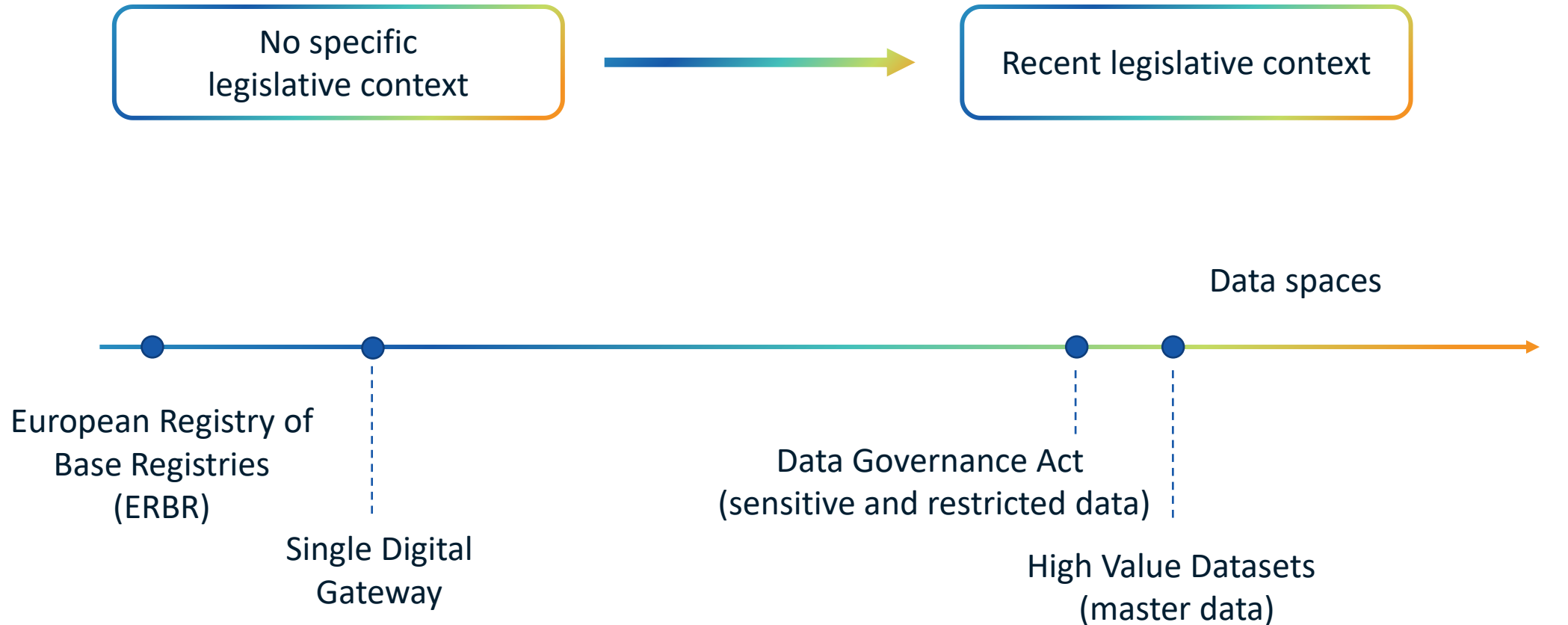
Base Registries are
nuclei in the eGov data
network are

↓

Need to get an overview/insight in
your eGov context
(within MS, but also cross-border)

! - Not only the data is important, but also the access to it, i.e. APIs

History



data.europa.eu

Possible streams of action in relation to BRegDCAT-AP

Direction 1

New release of
BRegDCAT-AP



Clarify **the role of BRegDCAT-AP** and its relationship with base registries published by public services and update it.

*What are unique characteristics for a base registry?
How do we make that visible in existing data portals?*

Direction 2

BRegDCAT-AP
in specific
domains



Position **BregDCAT-AP around specific verticals** including high-value datasets.

What are the base registries for a base entity (Person, Business, etc.) in a public administration?

Direction 1 – General identification

Direction 1

New release of
BRegDCAT-AP

Key questions

- How do I find in data.europa.eu a base registry? Or if a dataset is part of a base registry?
- Which properties are unique for a base registry?

Direction 1 – Relationship public service

Direction 1

New release of
BRegDCAT-AP

Is the connection with a public service a key element for a Base Registry?



A base registry supports many Public Services:

As a user I want to know which public services are supported by this base register



A Public Service uses many bases registries:

As a user I want to know the base registries are used by this Public Service



Issue #3:

Does cpsv:PublicService cover public services or are they data services?

Direction 2 – Domain specific base registries

Direction 2

BRegDCAT-AP in
specific domains



Each entity in eGov can have its base registry.



Suggestion: base registry for the Core Vocabulary entities

- *Person*
- *Public Organisation*
- *Business*
- *Public Service*
- Location (Addresses)
- Criteria



More towards same data harmonization, collaborating APIs



As each domain might have its own way of interaction.

BRegDCAT-AP – Open discussion

BRegDCAT-AP = more than a technical union of DCAT-AP and CPSV-AP?

Direction 1

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Direction 2

BRegDCAT-AP
in specific
domains



Position **BregDCAT-AP** around **specific verticals** including high-value datasets.



What are the base registries for a base entity (Person, Business, etc.) in public administration?

Q&A

Discussion on BRegDCAT-AP



Poll results



Which possible direction on BRegDCAT-AP do you see as the most valuable for your needs on base registries – among the two described by the SEMIC team?

14



Direction 1: Strengthen the specific role of BRegDCAT-AP compared to DCAT-AP



21%

Direction 2: Tailor BRegDCAT-AP on key vertical data domains



29%

Both directions 1 and 2



7%

None of the above



43%

5. Wrap-up and next steps

SEMIC team

Next steps

Definition of approach for BRegDCAT-AP
(embracing today's views and comments)

LDES specification update & next LDES webinar
(21 April 2023)

Publication of updated **Guidelines on Access to Base Registries**



Is there anything else you would like to add, discuss or ask?

- *Write it in chat!*
- *Reach out to our team via email*

Join the SEMIC Support Centre Collection on Joinup!

SEMIC Support Centre - a one-stop-shop for all digital interoperability challenges



What is it?

- Concrete and direct support to all stakeholders through our helpdesk and GitHub
- Collects good practices and serves as a knowledge hub on interoperability issues



Who is it for?

- Public officers and technical experts
- Any public organisation in its interoperable journey

JOIN THIS COLLECTION



A network visualization on a dark blue background. A central node is highlighted in bright orange. From this central node, numerous lines radiate outwards, connecting to other nodes. The lines are colored in a gradient from orange near the center to green and then blue as they extend further. The overall structure is symmetrical and resembles a starburst or a complex network graph.

Thank you



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