

“Coordinated Metadata Catalogue” – An Introduction

5th Follow-Up Member States Expert Meeting
Del. Reg. (EU) 2017/1926

What is it about?

- Del. Reg. 2017/1926

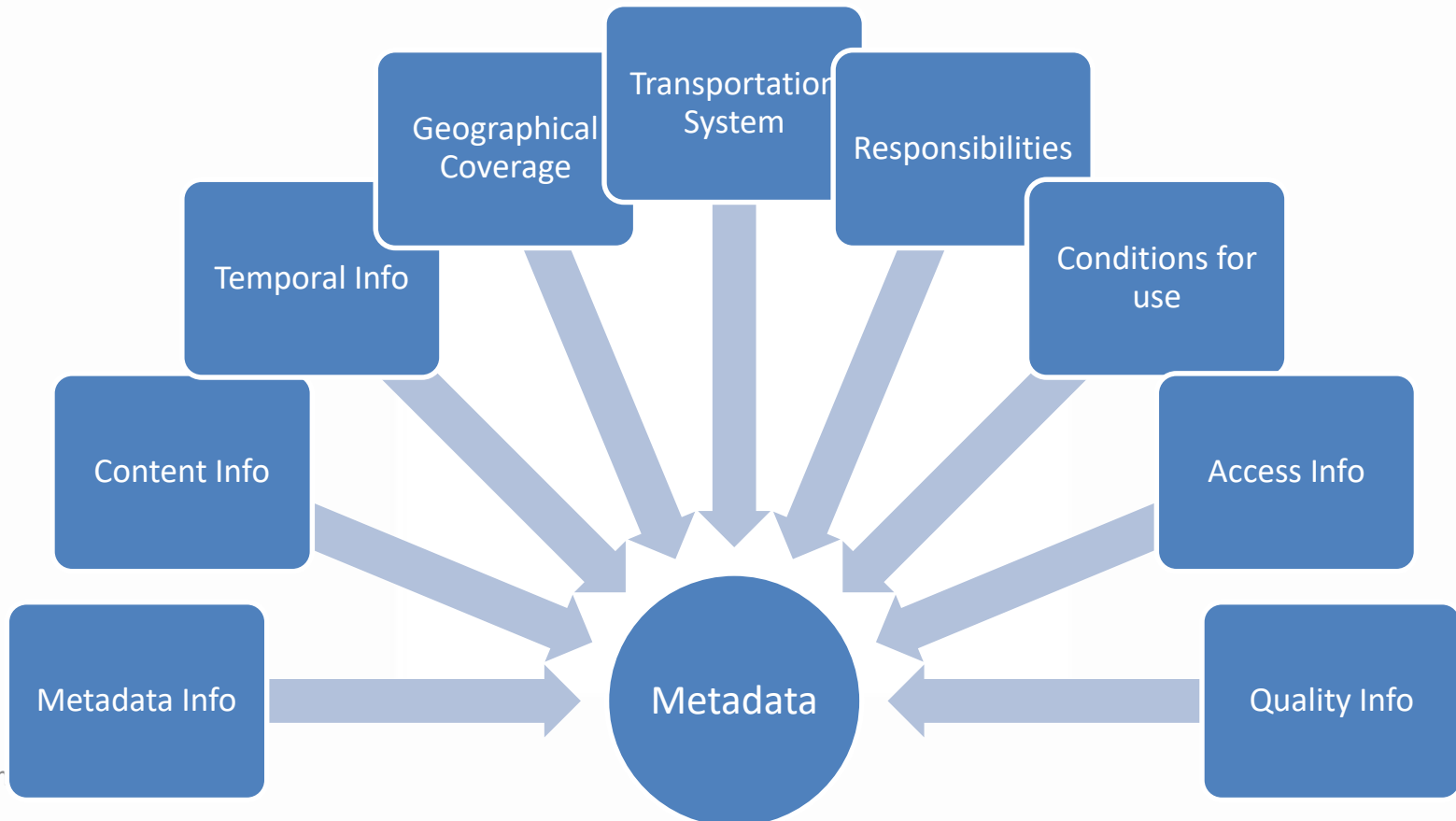
Article 3

National access points

1. Each Member State shall set up a national access point. The national access point shall constitute a single point of access for users to at least the static travel and traffic data and historic traffic data of different transport modes, including data updates, as set out in the Annex, provided by the transport authorities, transport operators, infrastructure managers or transport on demand service providers within the territory of a given Member State.
2. Existing national access points that have been set up to comply with other delegated acts adopted under Directive 2010/40/EU may be used as national access points, if deemed appropriate by the Member States.
3. National access points shall provide discovery services to users, for example services allowing for the search of the requested data using the contents of the corresponding metadata and displaying such contents;
4. Transport authorities, transport operators, infrastructure managers or transport on demand service providers shall ensure that they provide the metadata in order to allow users to discover and use the datasets made accessible through the national access points.
5. Two or more Member States may set up a common access point.

What is it about?

- Metadata = Data about Data
- Structured description about a dataset



What is our motivation?

There are many NAPs in Europe...



Trafficdata.se



ndw
Nationale Databank
Wegverkeersgegevens



MDM Mobilitäts
Daten
Marktplace



**MOBILITÄTS
DATEN
ÖSTERREICH**



DATA.GOV.UK (beta)
Opening up Government

What is our motivation?

...each with different Metadata descriptions.

The screenshot shows a 'Manage Publication' interface with several tabs: 'Create Subscription', 'Related subscriptions', 'E-mail to clients', and 'Configure visibility'. The 'Create Subscription' tab is active. The form contains the following fields:

- Organisation:** Bundesanstalt für Straßenwesen
- Name*:** Bundesfernstraßennetz
- ID:** 2685000
- Description*:** Bundesstraßen, Bundesautobahnen, Netzknoten, Nullpunkte
- Contact:** Main contact
- Valid from:** 26.04.2018
- Validity data packet (min.):**
- Data type*:** Verkehrsinformationen
- Format*:** CONTAINER
- Protocol*:** HTTP
- Delivery mode*:** PUSH_ON_OCCURENCE
- Update interval*:** On occurrence
- URL*:** https://broker.mdm-portal.de/BAST-MDM-Interface/srv/container/v1.0

Additional fields on the right side of the form:

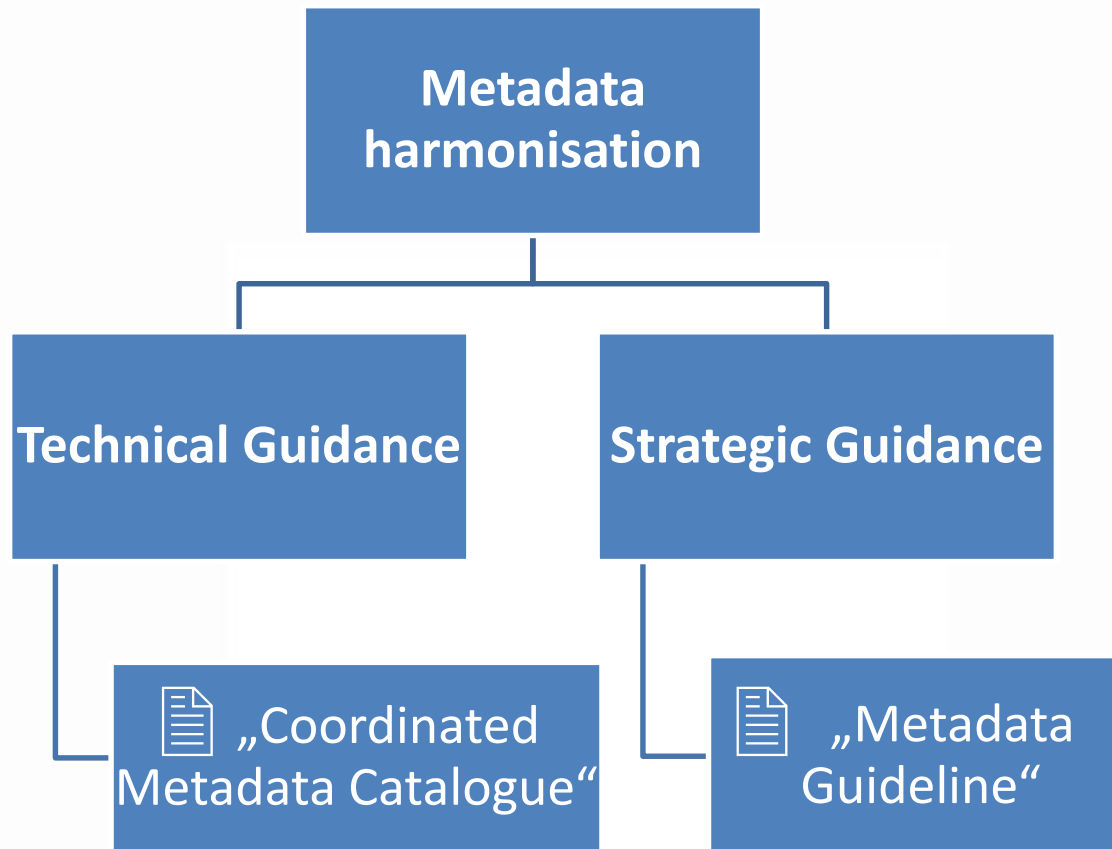
- Valid until:**
- Searchable:**
- contract-free:**
- Enabled:**

Example from MDM Germany

What is our motivation?

- Metadata = Basis for data-search functionality in each NAP!
- Consistent and harmonised Metadata across all EU NAPs → make data search easier!
- **This is why we harmonise Metadata!**

How to harmonise?



“Coordinated Metadata Catalogue”

- Initiative by NL, AT, DE, SE
- 2015 version for “former” Del. Regulations
- as a minimum set of Metadata
- considered in many operating EU NAPs

https://www.its-platform.eu/filedepot_download/1701/5355



“Coordinated Metadata Catalogue”

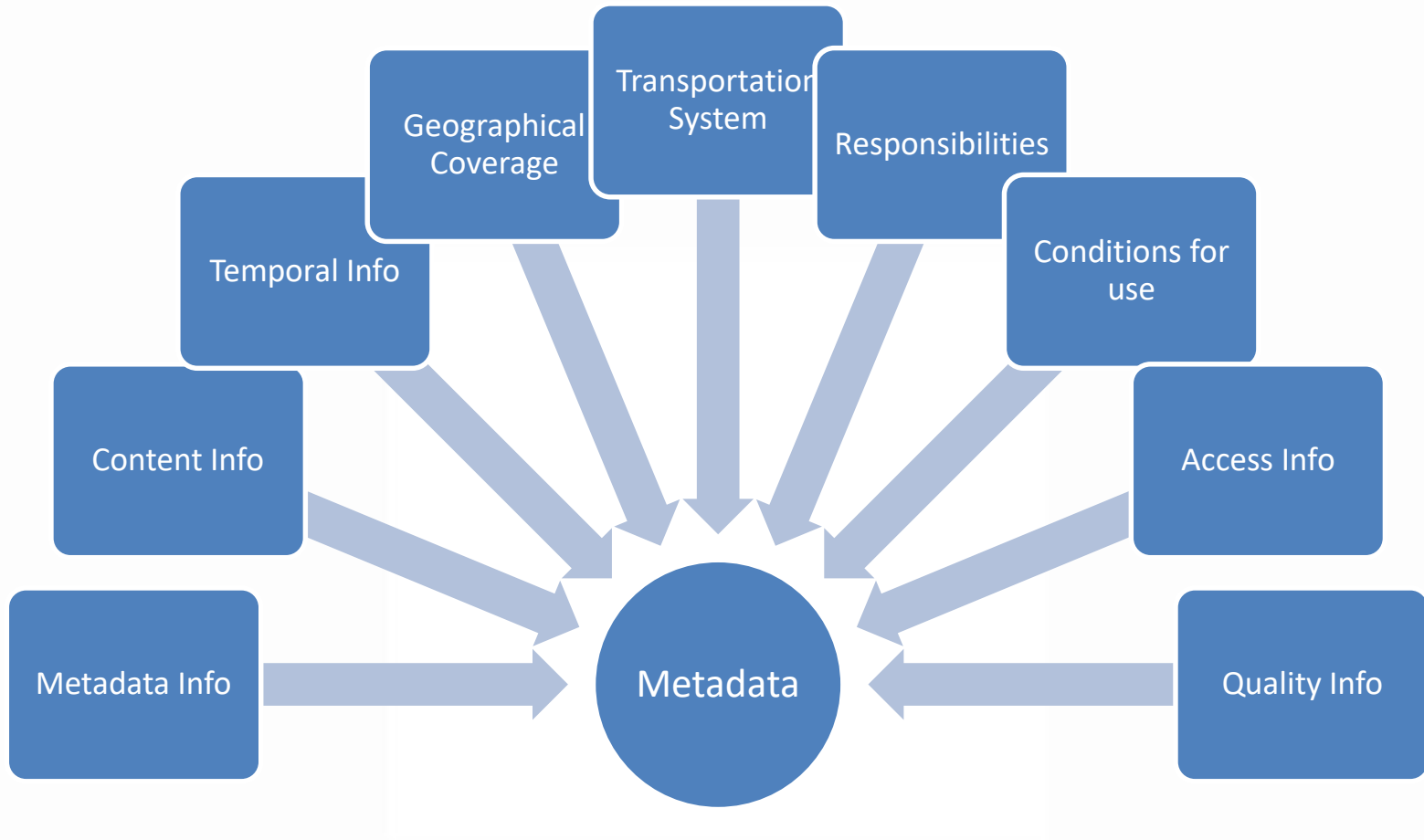
- 2019 Update

- Considering Del. Reg. 2017/1926 (MMTIS)
 - More travel modes!
 - More possible data formats!
 - More data domains!
 - More stakeholders!



(c) Quixxit

“Coordinated Metadata Catalogue”



“Coordinated Metadata Catalogue”

- Content:
- 32 Metadata elements, including:
 - Definitions
 - Formatting
 - Obligation levels

“Coordinated Metadata Catalogue”

- Example:
- Metadata element “Name of dataset”
 - *Description*: Brief overview on data contents
 - *Obligation*: mandatory
 - *Type*: Free text
 - *Database field name*: cont_name
 - *Database field length*: 200

“Coordinated Metadata Catalogue”

- Major issue: “Data Categories”
 - 58 data categories from “former” Del. Regs.
 - By adding Del. Reg. 2017/1926: 106 categories !
- not handy for NAP users!
- consolidation/restructuring of data categories!

“Coordinated Metadata Catalogue”

- Major issue: Data Categories

| Dataset type category | Dataset detailed type | Reference to EC Del. Reg. |
|------------------------------|------------------------------|----------------------------------|
| Static road network data | Geometry | B-1 a i, A-1.1.e.i |
| | Road width | B-1 a ii, A-1.1.e.i |
| | Number of lanes | B-1 a ii, A-1.1.e.i |
| | Gradients | B-1 a iv, A-1.1.e.i |
| | Junctions | B-1 a v, A-1.1.e.i |
| | Road classification | B-1 b, A-1.1.e.i |

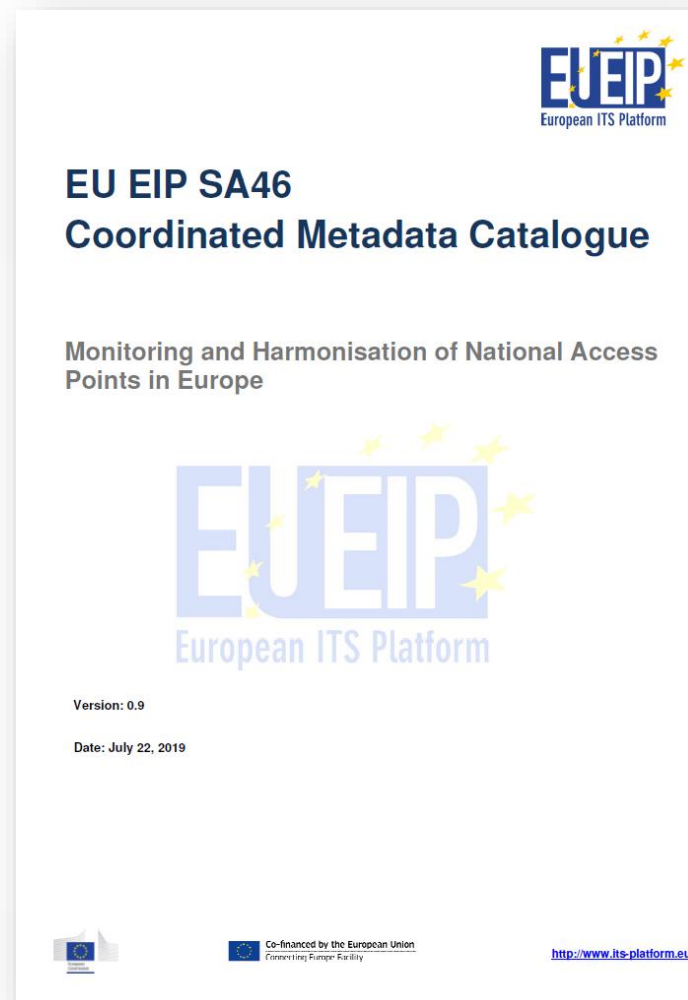
“Coordinated Metadata Catalogue”

- Interoperability with other Metadata standards
- Mapping exercise provided

| “Catalogue” element | DCAT-AP property | INSPIRE element |
|----------------------------|-------------------------|------------------------|
| Name of dataset | dcat:title | Resource title |

“Coordinated Metadata Catalogue”

- Status
 - Review phase ended
 - Draft sent to about 100 NAP stakeholders for review
 - 14 stakeholders have responded
 - Feedback incorporated into final version



“Coordinated Metadata Catalogue”

- Next steps
 - Publish final version on EU EIP website
 - Early 2020: Webinar planned
(However: direct consultation with NAP developers already started)
 - During 2020: Standardised modelling of “Catalogue” (→machine-readability!)

Recommendations

- Consider “Coordinated Metadata Catalogue” when implementing or upgrading any NAP
- Adopt/expand Metadata definitions to own NAP environment
- Check how to embed “Catalogue” into wider Metadata systems (DCAT-AP)

Thank you!

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