Conceptual Model – Meta Data Harmonization

NAPCORE Mobility Days

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Conceptual Model

Identify and harmonize **Meta Data elements** and element relations for EU-wide Meta Data Exchange

- Element definition

- Type

- Obligation level

- Dependencies

- Cardinalities

General Purpose

- Harmonize Data set and Data service description

  - Should fit to all NAP typologies and general mobility data aspects

- Should fit requirements of Meta Data Demonstrator (Meta Data exchange)

- Should be "Future Ready"

- Display the harmonized data items/elements and connections as block diagram in UML Style

- Internal deliverable for documentation of the results → Input for NAP DCAT-AP development

Work process

- Collection of Input Data
  - CMC as Basis
  - Requirement Analysis Results T4.4.2.1
  - Feedback from NAP Operators
  - Knowledge from Working Group Members
- Analysis of each source one by one
  - Several iteration loops and continous changes
- Document Results as table and grafic
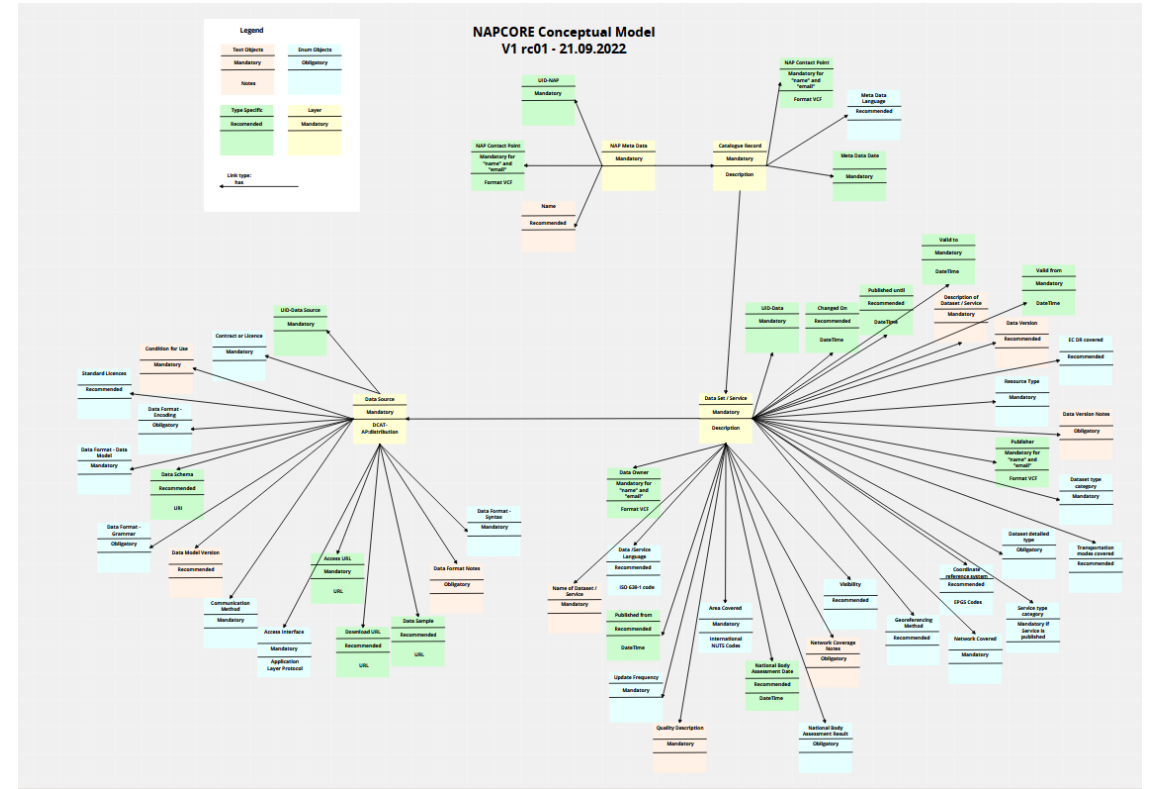
Results (I)

- Conceptual Model: 52 Elements (13 new elements)

  - Startpoint: CMC Elements (2018/19) 39 Elements

- Introducing sections for

  - International exchange and interoperability

  - NAP; Meta Data Catalogue; Data Set / Service; Source

Results (II): Excel

				Conceptual Model – NAPCORE						
				Version 1.0 rc1						
No.	**Metadata element**	**mandatory (O/M/R – Optional/Mandatory /Recommended)**	**data type**	**technical data type**	**Predefined Values**	**Change proposed Person**	**Usage – Usecase**	**Change proposed**	**Agreement**	**Change Date**
	dataset									
2.2.4.1	Area covered by publication	Mandatory	Predefined options (NUTS code)	Enum		Peter Lubrich	International NUTS Cods	Multiple Selections	Accepted	1.08.2022
2.2.4.2	Network coverage	Mandatory	Predefined Text	Enum		Peter Lubrich	Clarification issue: This element covers all possibilities for infrastructure networks -> makes sense for e.g., roadwork data, which is provided at certain networks! But for transport services (e.g., bus	Concretise the semantics of this field - Peter will propose a new textual description; Petr will propose a new term for the vocabluary	**open**	01.08.2022

Block Diagram

- Purpose: Showing the conceptual model as overview

- Content:
  - 4 coulorcoded element typs
  - 4 Main Elements (Layer); 52 Data Elements

Conceptual Model for harmonizing NAP Meta Data Exchange

Thank you!!

Questions and Feedback

Contact:

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