





Objectives of the workshop

- Introduction
- Recap 1st workshop Adoption Requirements

02

Metadata

- Adopted metadata models
- Minimum common metadata

Agenda

Architecture Architecture

- Architectural components
- Connection between the registry & repositories



Summary & next steps



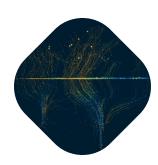


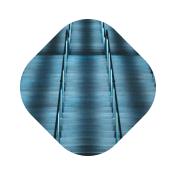




Objectives

Recap 1st workshop – Adoption Requirements







Recap 1st workshop



Registry vs. repositories



User categories



Use cases

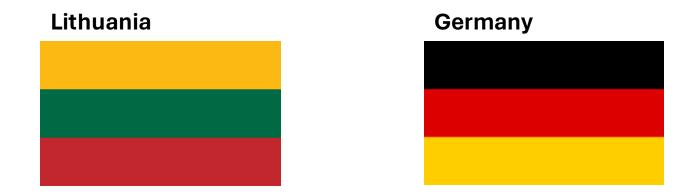


Captured requirements

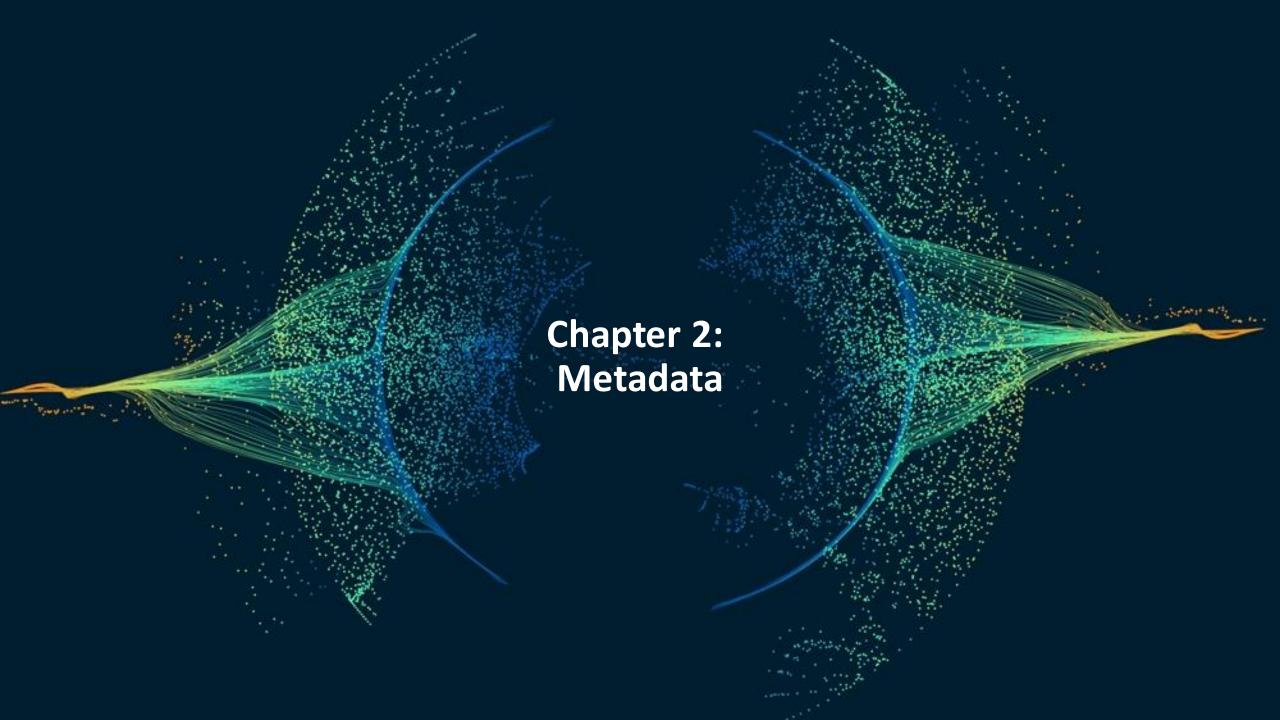
- 1 Domain-specific filtering
- 2 European Commission models findability
- 3 Comparable with previous version(s)
- 4 Publishable in 2 ways
- 5 Prioritization on filtering & searching
- 6 Model creators' contact available
- 7 Possible to determine access rights

Future pilot participants

Already two Member States gave notice to participate in this future pilot:



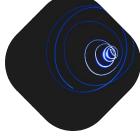
If you also want to participate in the pilot, please reach out to us.





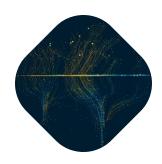


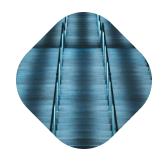




Metadata

Adopted metadata models





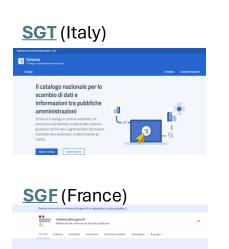


Analysis approach

Six repositories were utilized to analyse elements such as model reuses, file formats, and metadata file formats

This is done to facilitate the decision-making for the registry metadata during the future pilot phase

DVT (Finland)







Adopted metadata models



Portal	Metadata file format
SGT (Italy)	RDF
DNN (Norway)	RDF
DVT (Finland)	RDF
SGF (France)	YAML + metadata per file format
LOV	RDF + metadata per ontology
TNO (Netherlands)	RDF

There is some use of **DCAT RDF** is the way to go

Question

"Are there any questions or remarks about the repositories chosen for the analysis?"

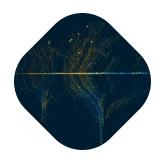


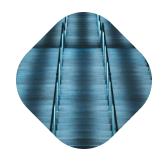






Metadata *Minimum common metadata*







Common & uncommon metadata

Some metadata is used by every repository analysed, while other components are only found in some.

Common Suggested Less common Name Version_info Publisher License Description Creation date Theme Publication date Main concepts Modified date Status Used by Languages **URI** identifier Contact point Contributor

Your opinion on the registry metadata

For every metadata component, are they mandatory or optional? Are there metadata components that have been forgotten?









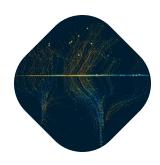


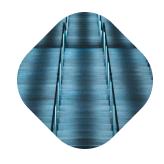




Architecture

Architectural components







Components



Repositories	Internal Database	SPARQL endpoint	API	Validation service
SGIT	MySQL (configuration only / optional)	X (public, based on Virtuoso)	X (aggregated & REST based on OpenAPI)	
NDD		X (public, based on Fuseki)		
DVT	PostgreSQL	X (private, based on Fuseki, behind API)	X (REST based on OpenAPI)	
LOV	MongoDB	X (public, based on Fuseki)	X (REST)	
SGF				X (for the 3 supposed schemas)
TNO	MySQL		X (REST for validation)	X (for XML schema)



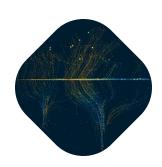






Architecture

Connection between the registry & repositories





Upstream and downstream scenario's

In both scenario a transformation process is needed to homogenize the metadata!

Questions	Scenario 1: registry harvesting (upstream)	Scenario 2: repository uploading (downstream)
Where is the metadata stored and where can it be accessed?	SPARQLRESTAPI	SPARQLRESTAPI
Which format to extract?	RDF (Turtle / JSON-LD)JSONXML	RDF (Turtle / JSON-LD)JSONXML
Are there security mechanisms in place?	HTTPSREST API keyOAuth	HTTPSREST API keyOAuth
Is traffic limited?	Request per minuteAvailability time	Request per minuteAvailability time
Are operations limited?	GET/SELECTPOST/CONSTRUCT	GET/SELECTPOST/CONSTRUCT



Roadmap until June 2024





Meetings

- / Kick-off meeting
- First workshop March 2024
- Second workshop May 2024

Closing meeting - June 2024

Results

Description

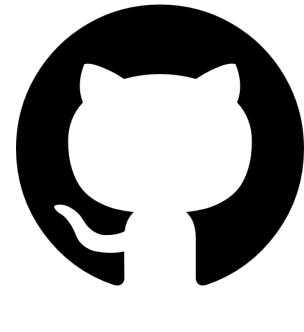
- Explanation of the **roadmap** during the trajectory
- How the meetings explained in the roadmap will be executed
- User profiles and use cases for a future registry
- Determining the requirements for the adoption
- Registry versus repositories
- Validation of technical requirements
- Recommendations for implementations (i.e. which existing technology, etc)
- Summary of the outcome of the working groups
- Discussing potential **next steps**
- Validated proposal and working group to conduct a future pilot (Q3-Q42024)

Next meeting

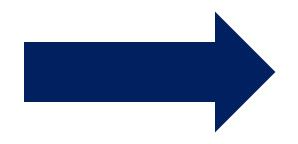
Which requirements, final remarks, ... do you still have?

- Overview of requirements the registry should have
- General feedback
- Discussion on the future pilot and any other interested participant

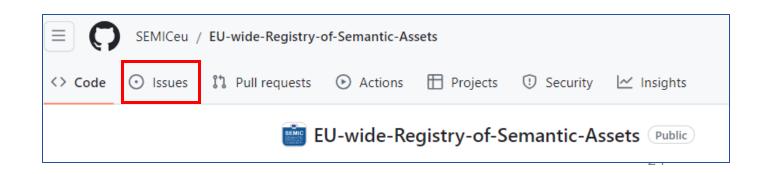
Feedback







- Overview of materials and proposition documents
- Feedback mechanism: 'GitHub issues' to submit feedback
- Open discussion by the working group







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