[EU09] Methodology and tools for Structural Metadata Management and Governance for EU Institutions and Member States

Methodology and tools for Structural Metadata Management and Governance for EU Institutions and Member States	
Summary	
ID	EU09
Initiative	ISA
Short description	This solution offers standards for structural metadata Management that include metadata governance and metadata management. Here, metadata includes both coordination with both data models and reference data. It contains the requirements and specifications for the governance and management of structural metadata as well as for metadata tools that may be used by EU institutions and Member States.
Owner	ISA Action 1.1
Contact	ISA Unit
Type	Framework
Sub-Type	Methodology
Context	Cross-border, Cross-sector
Base Registry type	All
Operating model	The solution gathers and analyses different sets of specifications and standards both for metadata governance and metadata management.
IPR	Not Available/Not Found
Status	Operational
More details	
Aggregated business need	ABN – 1 Need for common understanding of data entities
Functionalities	The solutions offers details about the following matters: Specifications for metadata governance Standards: • ISO11179-6 Metadata Registration. • Data Management Body of Knowledge (DMBOK) Specifications:

	- Scope: by domain or sector, can be related to different governance levels. - Governance structure: steering committee, governance committee, operational team. - Decision mechanisms (what decisions to be taken) and decision modalities (how decision are made). - Procedures to handle requests. - Ensure that modifications are communicated promptly to relevant stakeholders - Set up registry as authoritative source - Establish enforcement approach - Establish a Licensing framework - Set up quality controls Specifications for metadata governance management Standards: - ISO/IEC 11179 - Data Management Body of Knowledge (DMBOK) - ITIL Required expertise: - Domain expertise - Information management expertise - Technical expertise - Documentation and publication expertise - Standardisation expertise Metadata management design principles: - Documentation of management processes - Tailoring of management processes - Managing access to the structural metadata - Update cycles - Versioning - Development environments Metadata management Lifecycle:

Specifications for metadata tools

Standards for metadata representation:

- Unified Modelling Language
- XML Metadata Interchange
- XML Schema languages
- RDF Schema
- Simple Knowledge Organisation System (SKOS)
- GeneriCode
- HTTP URIs
- Asset Description Metadata Schema (ADMS)

Metadata Services and Tools:

- Data model editors
- Reference data editors
- Publication tools
- Deployment tools
- Change management

Design/Architecture	Not Available/Not Found
Technologies	Not Available/Not Found
Specifications	Not Available/Not Found
Management	Not Available/Not Found
Governance	Not Available/Not Found
Sustainability	Not Available/Not Found
Documentation	https://joinup.ec.europa.eu/site/core_vocabularies/governance_and_management_of_structural_metadata/Methodology-and-tools-for-Structural-Metadata-Management-and-Governance-for-EU-Institutions-and-Member-States_v1.00.pdf
ADMS	Not Available/Not Found

Current Users	Not Available/Not Found
EIRA	
View	Organisational View
Building Block	Organisational Procedure
Reusability	
Landscape	

Landscape scatter plot with axes "Domain Agnostic / Domain Specific" (vertical) and "High adaptation effort / Plug and Play" (horizontal), showing regions inspirational, reusable, usable, cross-sector, cross-border. Point EU09 plotted in upper right. Legend: Framework, Service, Tool.

Criteria

Legend: Positive answer, Not Available/Not Found, Negative answer, Not Applicable.

Pie charts: IPR and licenses, Legal, Suitability of documentation, Maturity, Extensibility, Scalability, Designed for re-use, Planned re-use or extension to other domains, Maintenance and support, Use of standards, Actual Reuse, Language and location suitability, Granularity, Impacts, Testability.