Metadata
Standards
Catalog
WORKING GROUP

RDA
RESEARCH DATA ALLIANCE

Update on progress with the Metadata Standards Catalog

Alex Ball

Moving on from the Metadata Standards Directory

The Metadata Standards Catalog has the same mission:

- ► Make metadata standards **easy to find**
- ► Help people get the **information** they need to use them
- ► Encourage people to **adopt and adapt** standards rather than do their own thing

But we want the Catalog to work harder:

- ► Allow people to **search** (not just browse) for standards
- ► Make it **painless to contribute** information
- ► Allow information to be extracted and acted on by **machines**

User stories

Received 26 user stories:

- ▶ Properties by which to select records
- ▶ Additional properties to display
- ▶ GUI (Web page) functionality
- ▶ API functionality

See the full list at
`https://goo.gl/wFTwHM`

Contributed user stories

Properties by which to select records

ID	A-FUND
Title	Search/browse by funder
Description	As a funder, I would like to find out of which standards I have funded the development, to inform strategic decisions about funding of standards work.
Notes	This might best be achieved by associating records with FundRef IDs.
Priority	Should

ID	A-ID
Title	Search by ID
Description	As a user, I would like to retrieve information about a standard using an ID for that standard.
Notes	Implied by P-DLREC and P-DLPROP
Priority	Must

ID	A-SUBJECT
Title	Search by subject
Description	As a researcher, I would like to search for standards relevant to my subject area.
Notes	Implied by F-SUBJECT and P-SUBJECT
Priority	Must

ID	A-TYPE
Title	Search/browse by type
Description	As a researcher, I would like to search or browse for metadata standards by the type of research data they describe.
Notes	This may need to be a hierarchical classification to allow for both broad categories (e.g. time-based media, images) and narrow ones (e.g.

Requirements Specification

- ► System description
- ► Data model
- ► Functional requirements
  - ► Search or browse (9)
  - ► Display (10)
  - ► Update (2)
  - ► Compare (2)
- ► Non-functional requirements (4)

See the full specification at
https://goo.gl/7bdSiz

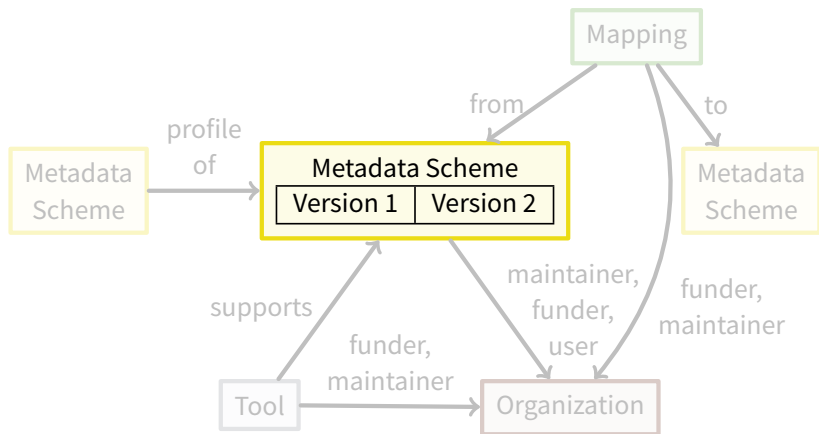## Functional Requirements

Search or browse

Requirement	GUI search: Responding to a search query of a metadata scheme identifier, display the corresponding record. API search: Responding to a search query of a metadata scheme identifier, return the corresponding record.
Validation	A-ID, P-DLREC
Prerequisite	Data: ID, Alternate ID
Priority	Must

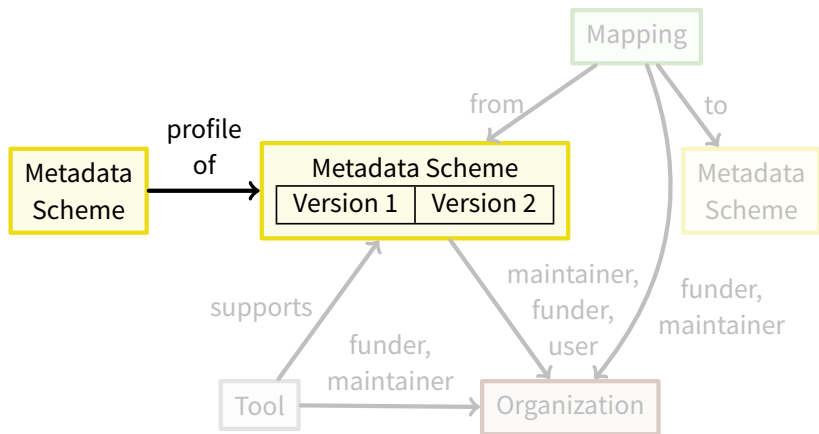| Requirement	GUI search: Responding to a search query of a metadata scheme name, display a list of matching records. API search: Responding to a search query of a metadata scheme name, return a list of corresponding record IDs.
Validation	
Prerequisite	Data: Title
Priority	Must

Requirement	GUI search: Responding to a search query of a set of subject terms, display a list of matching records. API search: Responding to a search query of a set of subject terms, return a list of corresponding record IDs.
Validation	A-SUBJECT, F-SUBJECT, P-SUBJECT
Prerequisite	Data: Subject classification
Priority	Must

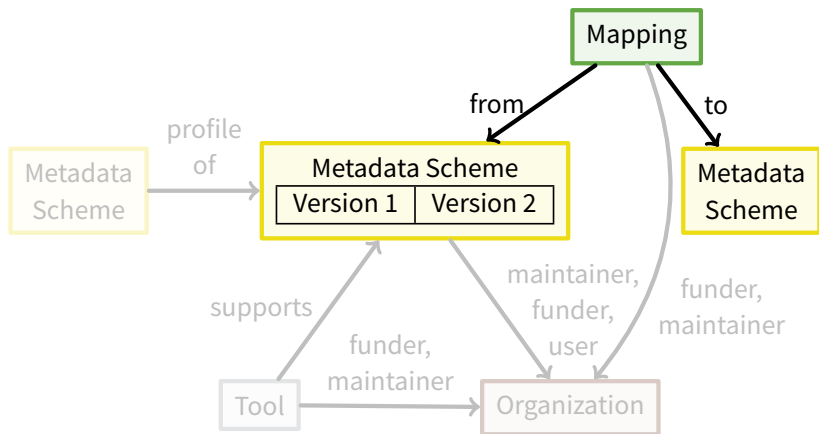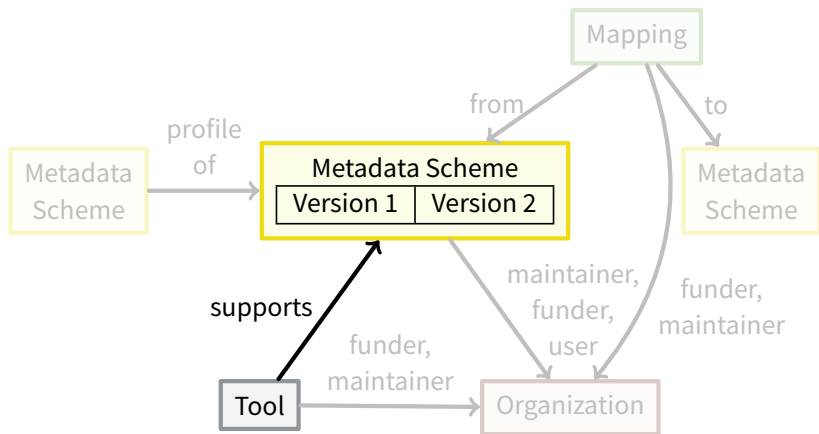| Requirement	GUI browse: Filter out records that do not match a given set of subject terms
Validation	MSD, F-FILTER
Prerequisite	Data: Subject classification

Data model – Entities
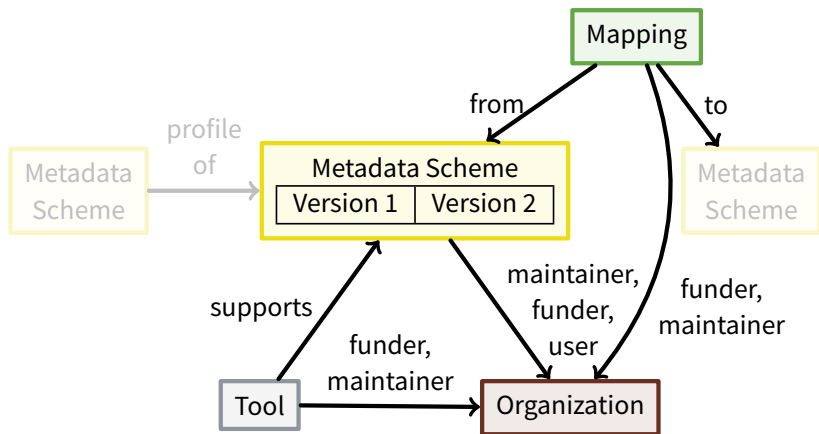
Data model – Entities

Data model – Entities

Data model – Entities

Data model – Entities

Data model – Elements

Metadata scheme
- ► title
- ► identifiers
- ► versions
- ► description
- ► keywords (disciplines)
- ► dataTypes
- ► locations
- ► samples
- ► endorsements

Mapping
- ► identifiers
- ► versions
- ► creators
- ► description
- ► locations

Organization
- ► name
- ► identifiers
- ► types
- ► locations

Tool
- ► title
- ► identifiers
- ► versions
- ► creators
- ► description
- ► types
- ► locations

Next steps

By mid-January 2017:
- ▶ Finalize data model
  - ▶ Draft Data Model – `http://goo.gl/kvGQlg`
  - ▶ MSCWG Disciplinary Taxonomy: Draft Proposal 1 – `http://goo.gl/kiv4XP`
  - ▶ MSCWG Disciplinary Taxonomy: Draft Proposal 2 – `http://goo.gl/a1NuxF`
- ▶ Convert some existing data to new model
- ▶ Select toolchain for developing new interfaces
- ▶ Develop new interfaces
- ▶ Make prototype available online

Thank you for your attention

Metadata Standards Catalog Working Group:
https://rd-alliance.org/groups/metadata-standards-catalog-working-group.html

research data sharing without barriers
rd-alliance.org