



RESEARCH DATA ALLIANCE

Metadata
Standards
Catalog

WORKING GROUP

Metadata Standards Catalog

Demonstration and update

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RDA Plenary 10, Montreal

19 September 2017



Previously, in the
Metadata Standards Catalog
Working Group

We want to get researchers using standard metadata schemes, but

- › they might not **know of a standard** relevant to their data
- › even if they do, they might not know **how to use it**
- › even if they do, it might seem too much like **hard work**
- › even if it doesn't, an ad hoc scheme might seem like a **better fit**

The Metadata Standards Catalog will

- › make it easier to find out about standards
- › make it easier to use standards (tools, examples)
- › help with adapting and migrating between standards

| **D | C | C** Disciplinary Metadata

RDA Metadata Standards Directory

Search by Discipline



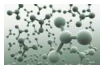
Biology



Earth Science



General Research Data



Physical Science



Social Science & Humanities

Search by Resource Type

Metadata Standards

Specifications for the minimum information that should be collected about research data in order for it to be re-used.

Profiles and Extensions

Standards that have been adapted for use in particular types of repositories, or for particular types of data.

Use cases

Institutional repositories and data portals using standards to determine which metadata should be collected upon data deposit.

Tools

Software that has been developed to capture or store metadata conforming to a specific standard.

Metadata

RDA | Metadata Directory

View the standards
View the extensions
View the tools
View the use cases
Browse by subject areas

Contribute
Add standards
Add extensions
Add tools
Add use cases

github
 @twitter
 linkedin
 facebook



Metadata Standards Directory Working Group

The RDA Metadata Standards Directory Working Group is supported by individuals and organizations involved in the development, implementation, and use of metadata for scientific data. The overriding goal is to develop a collaborative, open directory of metadata standards applicable to scientific data can help address infrastructure challenges.

The RDA Metadata Standards Directory is maintained by [Sean Chen](#), [Kate Anne Roberts](#), and [Alex Dill](#).
The theme is maintained by [Dustin Allen](#).
This page was generated by [Olibro Pages](#).

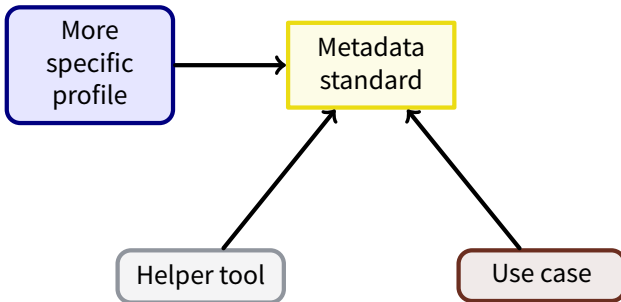
<http://www.dcc.ac.uk/resources/metadata-standards>

<http://rd-alliance.github.io/metadata-directory/>

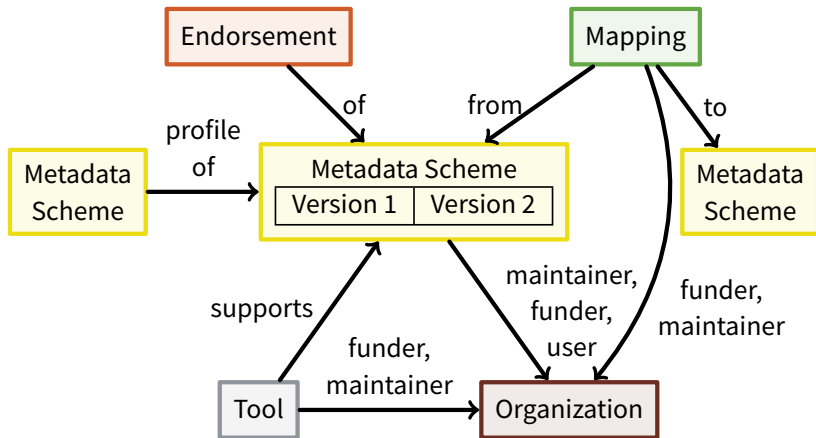
So why did we need a new Catalog?

- Search, not just browse
- Access data with machine-to-machine protocols
- Richer information
 - versions, mapping directionality, endorsements
 - greater use of entity relationships
- More services
 - Extracting what you need from compliant metadata . . .
 - Calculating migration pathways . . .
 - Comparing elements in different schemes . . .
 - Generating 'first-pass' converters . . .

Migrating the data: DCC/MSD data model



Migrating the data: MSC data model



Metadata Standards Catalog

Metadata Standards Catalog

Metadata Standards Catalog

The RDA Metadata Standards Catalog is a collaborative, open directory of metadata standards applicable to research data. It is offered to the international academic community to help address infrastructure challenges.

Metadata standards, profiles and schemes

- Browse by scheme name
- Browse by subject
- Search

Metadata-related tools

- Browse by tool name

github @twitter linkedin facebook

Prototype

data: master — DAG

ab318 :zsh — Konsole

File Edit View Bookmarks Settings Help

13:42:01 Thu 30 Mar 2017

ab318@refusis:~>

ab318 :zsh

And now, in the
Metadata Standards Catalog
Working Group

Progress since Plenary 9

- › Fixed bugs
- › Improved how database is backed up to YAML
- › Added admin functions for managing users
- › Added and updated records
- › Documented how to log in with RDA site account
- › Documented terms of use
- › Added ability to edit/remove user profiles
- › Added API account management
- › **API** Make changes to database via API implemented
- › Worked on integration with DMPonline

Metadata Standards Catalog

http://127.0.0.1:5000/

Search StartPage

Metadata Standards Catalog Search Sign in

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ab318@refusis:~>

ab318 :zsh

Future developments

GUI

Highlight standards bodies

GUI

Dynamic filtering while browsing

GUI

Side-by-side specifications

GUI

Version history as timeline

GUI

Search by article DOI

GUI

Show maturity rating for schemes

API

Query standards by their elements

API

Query by element value encoding

API

Query by article DOI

API

Calculate crosswalks

More information

- › Track progress against requirements:
 - github.com/rd-alliance/metadata-catalog-dev/issues
- › View the new data model:
 - github.com/rd-alliance/metadata-catalog-dev/tree/master/db
- › Try out a local instance of the prototype Catalog:
 - github.com/rd-alliance/metadata-catalog-dev
- › Try out the actual live Catalog:
 - Coming soon . . .



RESEARCH DATA ALLIANCE

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Standards
Catalog

WORKING GROUP

Thank you for your attention

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