Metadata Standards Catalog: Current Status

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RDA 18th Plenary Meeting (Virtual)
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Timeline

2012-05  DCC Disciplinary Metadata Catalogue proposed
2013-01   **DCC Disciplinary Metadata Catalogue launched**
2013-10/2013-12  RDA Metadata Standards Directory WG runs survey, adds 18 standards/profiles, 13 metadata tools to DCC Disciplinary Metadata Catalogue
2014-03  New community-maintained **Metadata Standards Directory launched** on GitHub
2016-01  RDA Metadata Standards Catalog WG endorsed
2017-07  Prototype Metadata Standards Catalog complete – WG in ‘maintenance mode’
2017-12  **Metadata Standards Catalog v1 launched** on DCC servers
2019-03  Metadata Standards Catalog v1 migrated to Bath servers
2020-04  Work begins on Metadata Standards Catalog v2
2020-09  **Metadata Standards Catalog v2 launched**
Improvements in version 2.1

Linked Data namespaces for metadata schemes

Documentation

View specification | Visit website

Predicate namespaces

<table>
<thead>
<tr>
<th>dcterms</th>
<th><a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a></th>
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</thead>
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<tr>
<td>dcmitype</td>
<td><a href="http://purl.org/dc/dcmitype/">http://purl.org/dc/dcmitype/</a></td>
</tr>
<tr>
<td>dcam</td>
<td><a href="http://purl.org/dc/dcam/">http://purl.org/dc/dcam/</a></td>
</tr>
</tbody>
</table>

Sponsored by the Dublin Core Metadata Initiative, Dublin Core was published as ISO Standard 15836 in February 2009.
Improvements in version 2.1

- Linked Data namespaces for metadata schemes
- Authenticated API endpoints

```bash
$ curl -u "mscwg:old-password"
https://rdamsc.bath.ac.uk/api2/user/token
{
 "apiVersion": "2.1.0",
 "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZXhwIjoxNjM2MTEyNjU0LjQ3ODYxOX0..."
}

$ curl -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZXhwIjoxNjM2MTEyNjU0LjQ3ODYxOX0..."
-d '{}"new_password": "high-entropy-password"'
https://rdamsc.bath.ac.uk/api2/user/reset-password
{
 "apiVersion": "2.1.0",
 "password_reset": true,
 "username": "mscwg"
}
Improvements in version 2.1

- Linked Data namespaces for metadata schemes
- Authenticated API endpoints
- POST, PUT, and DELETE methods for the main five record types

$ curl -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZXhwIjoxNjM2MTEyNjU0LjQ3ODYxOX0..." -d '{"title": "New scheme", "description": "This is a new metadata scheme."}' -X POST https://rdamsc.bath.ac.uk/api2/m

```
{
  "apiVersion": "2.1.0",
  "meta": {
    "conformance": "valid"},
  "data": {
    "mscid": "msc:m999",
    "uri": "https://rdamsc.bath.ac.uk/api2/m999",
    "slug": "new-scheme",
    ...
  }
}
```
Improvements in version 2.1

- Linked Data namespaces for metadata schemes
- Authenticated API endpoints
- POST, PUT, and DELETE methods for the main five record types
- POST, PUT, PATCH, and DELETE methods for inter-record relationships

```bash
$ curl -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZXhwIjoxNjM2MTEyNjU0LjQ3ODYxOX0..."
-d '{"op": "add", "path": "/maintainers/-", "value": "msc:g900"}'
-X PATCH https://rdamsc.bath.ac.uk/api2/rel/m99
{
  "apiVersion": "2.1.0",
  "data": {
    "@id": "msc:m99",
    "uri": "https://rdamsc.bath.ac.uk/api2/rel/m99",
    "maintainers": ["msc:g900"]
  }
}
```
Improvements in version 2.1

- Linked Data namespaces for metadata schemes
- Authenticated API endpoints
- POST, PUT, and DELETE methods for the main five record types
- POST, PUT, PATCH, and DELETE methods for inter-record relationships
- POST, PUT, and DELETE methods for controlled vocabulary terms

```
$ curl -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiZXhwIjoxNjM2MTEyNjU0LjQ3ODYxOX0..."
-d '{"id": "https://www.w3.org/TR/vocab-dcat/#class-dataset", "label": "Dataset"}'
-X PUT https://rdamsc.bath.ac.uk/api2/datatype2
{
  "apiVersion": "2.1.0",
  "meta": {"conformance": "complete"},
  "data": {
    "mscid": "msc:datatype2",
    "uri": "https://rdamsc.bath.ac.uk/api2/datatype2",
    "id": "https://www.w3.org/TR/vocab-dcat/#class-dataset",
    "label": "Dataset"
  }
}
```
Improvements in version 2.1

- Linked Data namespaces for metadata schemes
- Authenticated API endpoints
- POST, PUT, and DELETE methods for the main five record types
- POST, PUT, PATCH, and DELETE methods for inter-record relationships
- POST, PUT, and DELETE methods for controlled vocabulary terms
- Filtering parameter on GET methods for collection endpoints

```bash
$ curl "https://rdamsc.bath.ac.uk/api2/m?q=dubli"
{
  "apiVersion": "2.1.0",
  "data": {
    "currentItemCount": 9,
    "items": [
      {
        "mscid": "msc:m15",
        "title": "Dublin Core",
        ...
      }
    ],
    "itemsPerPage": 10,
    "pageIndex": 1,
    "startIndex": 1,
  }
}
```
Next steps

Data quality improvements:

- Update and expand the information held in the Catalog
  - Bring in any new information from earlier incarnations
- Migrate snapshot to Metadata Standards Directory, freeze it, deprecate it
- Migrate snapshot to DCC Disciplinary Metadata Catalogue
Thank you for your attention

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

Metadata Standards Catalog: https://rdamsc.bath.ac.uk/