RDA Metadata Standards Catalog Adoption

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This poster describes the adoption of the Metadata Standards Catalog[1)] (MSC), which is an output of the RDA Metadata Standards Catalog Working Group, for use within the Helmholtz Metadata Collaboration whose aim is to improve research data management inside the Helmholtz Association of German Research Centers.

Why using Metadata Standards Catalog?

- Catalog contains widely used metadata standards
- Browse or search for metadata standards
- Direct access to metadata standards
- Allows registration and management of metadata standards
- Option to link organizations and tools to a metadata standard
- Human readable interface
  - User-friendly/easy to use interface

MSC@HMC[2)]

- Adopted from MSC, version 1
- Adapted to layout of Helmholtz Association
- Categorized by the six research fields of the Helmholtz Association
- Use as information platform for metadata standards

Extensions

- Store associated schemas (XML/JSON) in metastore[3)]
- Add machine readable interface REST API
- Validate metadata documents using machine actionable interface of metastore
  - MSC fetches metadata document from scientist
  - MSC validates metadata document against metadata schema registered in metastore
  - Shows result to scientist

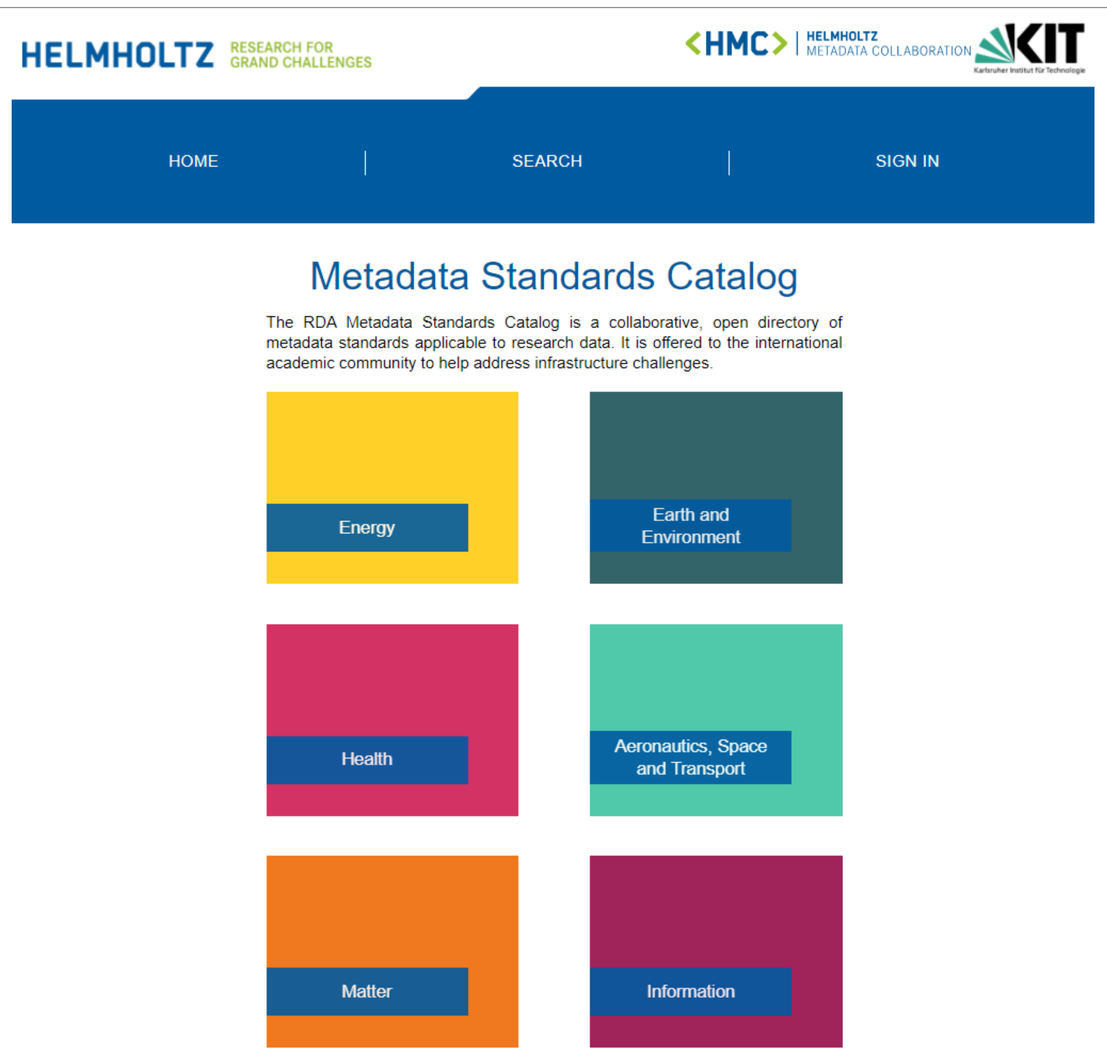

Figure 1: Adapted website for HMC

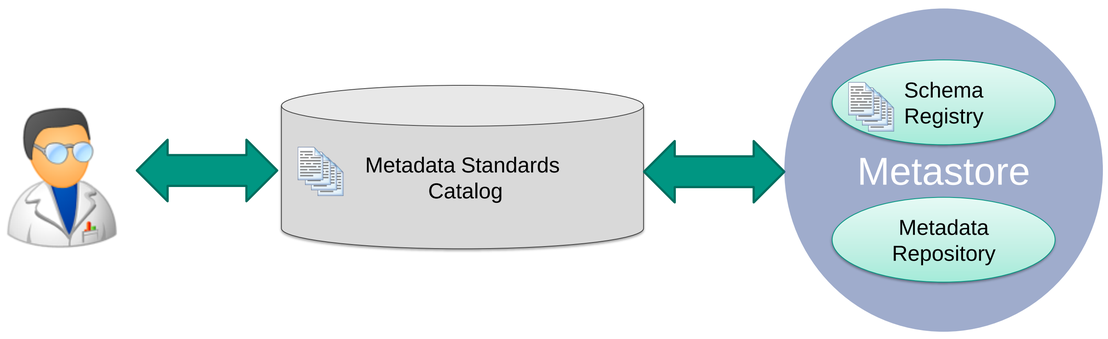

Figure 2: Interaction scientist ←→ MSC ←→ metastore

Outlook

The next step is the migration to version 2 of the Metadata Standards Catalog.

[1)] RDA Metadata Standards Catalog, version 2, https://github.com/rd-alliance/metadata-catalog-v2
[2)] HMC Metadata Standards Catalog, https://msc.datamanager.kit.edu
[3)] Metastore, https://github.com/kit-data-manager/metastore2

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