

Metadata

3rd WG Collaboration Meeting

Rebecca Koskela 11 June 2015

research data sharing without barriers rd-alliance.org

Metadata Expectations Concerning

- Interaction between the Data Fabric and Data Publishing coordination groups and their related WGs and IGs
- Facilitating adoption questions from amongst IG attendees
- Building connections between the technically oriented data provisioning and data consumer groups, and social/policy



The Metadata WGs / IGs

MIG: Metadata Interest Group

MSDWG:

Metadata Standards

Directory

Working

Group

(until 2015-03)

→ MSCWG

MSCWG:

Metadata Standards Catalog

Working

Group

DICIG:

Data In

Context

Interest

Group



Goals

- Sustainable, community-driven RDA Metadata Standards Directory, designed for users rather than automated tools
- Set of use cases to analyze and document the ways metadata can be used (e.g. for discovery, exchange, re-use, etc.)
- Foundation for next RDA Working Group to develop a machine-understandable catalog of metadata standards



Metadata Standards Directory WG

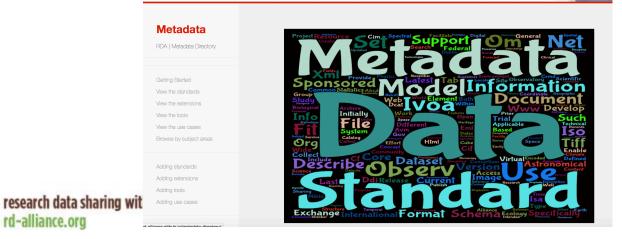
Product: Metadata Standards Directory

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



rd-alliance.github.io/metadata-directory/

rd-alliance.org





Metadata and RDA WGs/IGs

- Publishing WGs and IGs
 - RDA/WDS Publishing Data Bibliometrics WG
 - RDA/WDS Publishing Data Services WG
 - RDA/WDS Publishing Data Workflows WG
 - RDA/WDS Publishing Data IG
 - RDA/WDS Publishing Data Cost Recovery for Data Centres



Publishing Data Workflows

RDA Plenary 5 -- March 11, 2015 Session Chairs: Amy Nurnberger and Mary Vardigan





How to get involved

- Contribute to the workflow analysis: http://bit.ly/1BBQQPW
- Contribute your own workflow "walk-throughs" and use cases
- Tell us what is needed for a "successful" workflow in your institute/ discipline

... Moving to implementation

- Tell us if you are interested to learn from a specific example or are maybe considering implementing data publishing workflows
- Tell us if you have code/documentation to share



Metadata and Publishing Groups

- Data publishing is a multi-faceted topic
- Citation requires complex data
- Work on metadata elements and packages of elements for these purposes



Metadata and RDA WGs/IGs

- RDA/CODATA Legal Interoperability IG
 - Principle 5 (Metadata)
- Digital Practices in History and Ethnography IG
 - Working Group on metadata for researcher-created (primary) data in history and ethnography
- Long tail of research data IG
 - Improve quality and comprehensiveness of metadata (through researcher education or by repository staff)







Wagging the Long Tail

Current Metadata Practices for Long Tail Research Data

Kathleen Shearer, Executive Director, COAR
Co-chair, RDA Long Tail for Research Data Interest Group
Co-chair, RDA Libraries for Research Data Interest Group







In the context of Long Tail data, metadata is *critical* for discovery





RDA Activity



Q1: Social/educationally oriented activity that benefits user

Common terms: education, engagement, bridging, community





Common terms: interoperability, harmonization, integration, metadata

Q3: Technical solutions that aid in data provisioning

Common terms: repository, fabric, analytics, identity, management



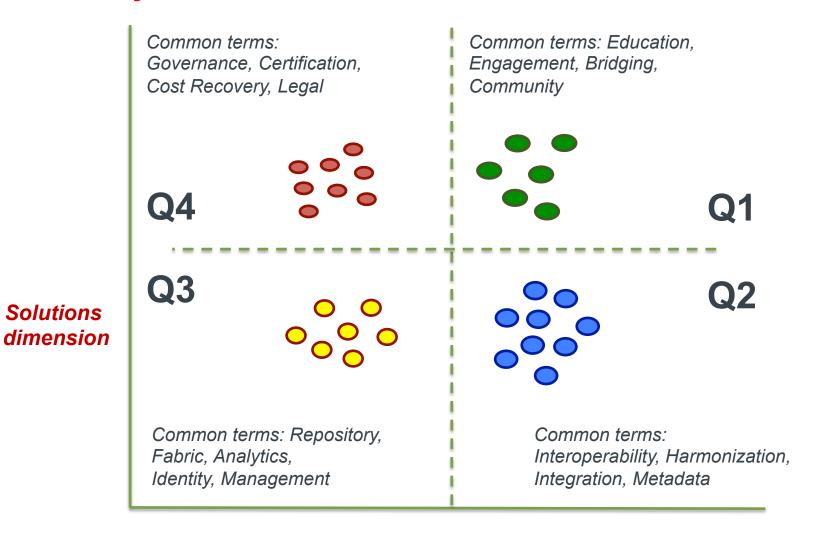
Q4: Policy oriented solutions that aid in data provisioning



Common terms: governance, certification, cost recovery, legal



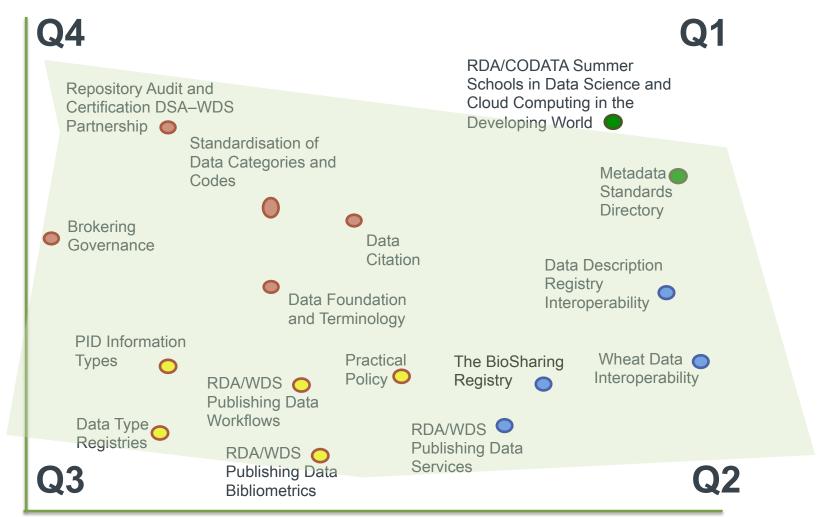
RDA Activity



Beneficiary Dimension



Working Groups Clusters



Beneficiary dimension



Solutions dimension

So we need metadata that has

- Formal syntax
 - Structure
 - Respecting referential and functional integrity
 - With constraints to ensure quality
- Declared semantics
 - Terms in ontological structure
 - Multilingual
 - Multiple ontologies (sets of terms and their relationships)
 - Crosswalks between ontologies



Metadata Plan

- Use Cases
 - With metadata elements used/required
- Metadata Standards Directory towards Catalog
 - With metadata elements
- Towards Recommended Metadata Packages for Purposes
 - Commonality → 'packages'
 - Validation by RDA groups
 - RDA recommendations



Metadata Standards Catalog WG

- Develop the Metadata Standards Directory into a Metadata Standards Catalogue...
- Allow records to be added, searched and retrieved by API
- Provide representations of records in machineunderstandable form
- Develop, with community, recommendations of which standard(s) should be used for which purpose
- Provide information on elements defined by each standard, and the purpose they serve



Questions?

