Metadata 2020: Metadata connections across scholarly communications

Patricia Feeney, Crossref; Metadata 2020 participant
What is Metadata 2020?

Metadata 2020 is a collaboration that advocates richer, connected, and reusable, open metadata for all research outputs, which will advance scholarly pursuits for the benefit of society.
“The goal? To demonstrate why richer metadata should be the scholarly community's top priority, how we can all evaluate ourselves and improve, and what can be achieved when we work harder, and work together.”

- Ginny Hendricks, Instigator, Metadata 2020
We already have a lot of standards...
Community Groups

- **Publishers;** Chairs: Terri Teleen and Duncan Campbell, Wiley
- **Librarians;** Chair: Juliane Schneider, Harvard Catalyst
- **Service Providers & Platforms and Tools;**
  Chair: Marianne Calilhanna, Cenveo Publishing Services
- **Data Publishers and Repositories;**
  Chair: John Chodacki, California Digital Library
- **Researchers;** Chair: Cameron Neylon, Curtin
- **Funders;** Chair: Ross Mounce, Arcadia Fund
• Communities have **similar problems** and **similar solutions** available if they **collaborate**

• Efforts have been made to address challenges within each community, but few efforts have been truly **cross-community**

• We hope to increase effectiveness and efficiency and avoid duplication of work
2018 Projects:
Breaking down silos
and getting stuff done
Project 1: Researcher Communications

To explore ways to align efforts between communities who aim to increase the impact and consistency of communication with researchers about metadata.
Project 2: Metadata Recommendations and Element Mappings

To converge communities and publishers towards a shared set of recommended metadata concepts with related mappings between those recommended concepts and elements in important dialects.
Project 3: Defining the Terms We Use About Metadata

In order to communicate effectively about anything, a common language must be acknowledged, tacitly or purposefully. In the metadata space, there is not agreement on what words like property, term, concept, schema, title refer to. This project will develop a glossary of words associated with metadata, both for core concepts and disciplinary areas.
Project 4: Incentives for Improving Metadata Quality

To highlight downstream applications and value of metadata for all parts of the community, telling real stories as evidence of how better metadata will meet their goals.
Project 5: Shared Best Practices and Principles

To build a set of high level best practices for using metadata across the scholarly communication cycle, in order to facilitate interoperability and easier exchange of information and data across the stakeholders in the process.
Project 6: Metadata Evaluation and Guidance

To identify and compare existing metadata evaluation tools and mechanisms for connecting the results of those evaluations to clear, cross-community guidance.
Purpose:
To converge communities and publishers towards a shared set of recommended metadata concepts with related mappings between those recommended concepts and elements in important dialects.
Project Plan:

Metadata Recommendations and Element Mappings

- Identify list of metadata schemas that are in use ("Metadata Schema Index")
- Share list of schemas with MD2020 community to see if there are any missing and to get feedback on which are most used
- Collaborate with Project 5 to discuss list of tags/elements in each of the schemas of interest and identify concepts that cut across them
- Map concepts and element names in a table
- Produce diagram/poster to highlight similarities and differences
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Incentives for Improving Metadata Quality

Project 4

Purpose:
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Incentives for Improving Metadata Quality

- Discuss illustration of metadata flow through scholarly communications in consultation with community groups
- In consultation with communities, start to develop fuller lists of incentives
- Create a detailed list of outputs for phase 2 of the project
- Gather material for re-use in business cases
- Align incentives list with P.5’s best practice guidelines
- Discuss outreach & education plans for time when first content is available for distribution, including proposals for upcoming conferences
Metadata 2020 Thread
Supporting the entire metadata life cycle

Communities Create

Recommendation

Dialect

P2
Metadata Recommendation and Element Mappings

Conceptual Mapping Between Recommendations

Implementation Mapping Between Representations

P6
Metadata Evaluation and Guidance

Metadata

P4
Incentives for Improving Metadata Quality

P1
Researcher Communication

P5
Shared Best Practices and Guidance

P3
Consistent Terminology – Names for Concepts
Can you help?

- Contribute to Metadata 2020 projects! Email Clare Dean at cdean@metadata2020.org for details, or sign up here.

- Help promote our efforts to the wider community through your organizations, word of mouth, and social media

- Find us on @Metadata2020 Twitter, Facebook, LinkedIn, and at metadata2020.org
Thank you!

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