LIBER Linked Open Data Working Group – LOD Publication for Libraries

LIBER 2020 Online

Matias Frosterus

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Workshop Agenda

- Semantic Interoperability between Bibliographic Models
  - Sofia Zapounidou, Michalis Sfakakis, Christos Papatheodorou
- The Challenge of Interoperability between Entity Models – Share-VDE Experience
  - Tiziana Possemato, Anna Lionetti
- CERL's Resources as Linked Open Data
  - Andreas Walker
- A break for stretching and getting a fresh cup of coffee
- Discussion: The Best Practices of Library Linked Open Data Publication
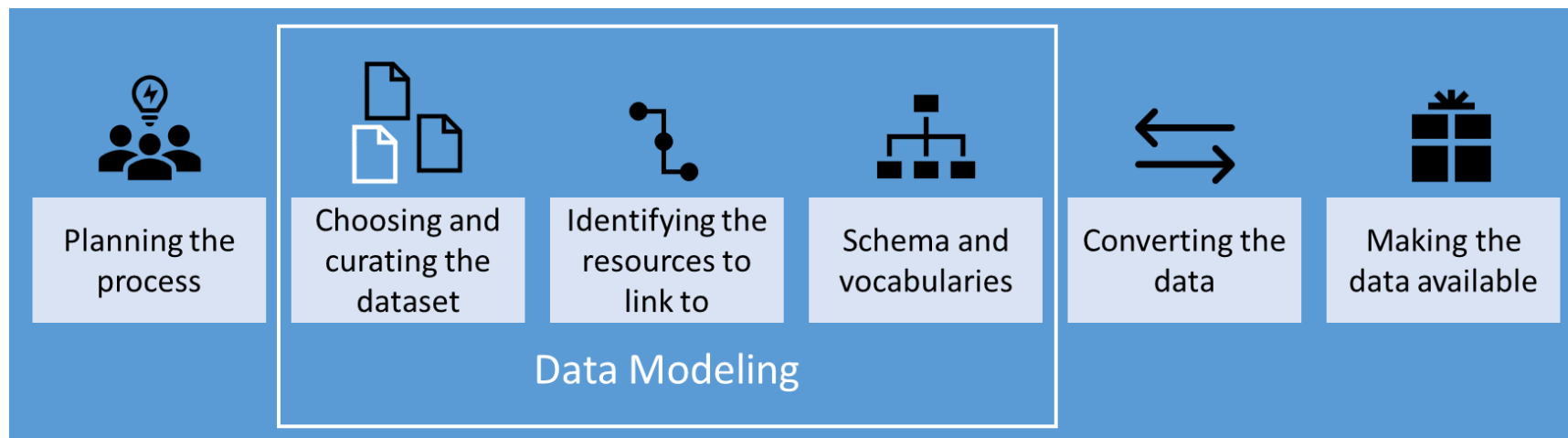- Next steps

The Best Practices of Library Linked Open Data Publication

- Purpose of the document
    - An introduction to library LOD publishing
    - Help structure a LOD publication project
        - What needs to be considered?
    - Not normative as such
    - For librarians

Introduction

- Short introduction to LOD
- LIBER's role as a network for collecting experiences and facilitating discussions
    - Reach a wide audience
    - Common considerations and suggested solutions can enhance interoperability and make library data easier to use outside of the library sector
- Survey on linked data conducted by the working group
- Motivation on library LOD publication
- Inspiring case studies
- Question: How to measure the success and impact of a LOD project

The Six Steps

| Planning the process | Choosing and curating the dataset | Identifying the resources to link to | Schema and vocabularies | Converting the data | Making the data available |

Data Modeling

- Dividing the process into six steps
- Not the only possible way of doing so
- Question: Is there anything that falls outside of these steps?

1. Planning the Publication Process

- Scope of the project
- People and experise
- Tools
- Resources
- Steps and milestones

2. Choosing and Curating the Dataset

- Dataset selection
    - Content, Types of entities used, and Metadata schemas
    - Size
    - Data quality
    - Uniqueness, Popularity, and Reuse
    - Ownership and Privacy
- Data curation and clean-up

3. Identifying the Resources to Link to

- The importance of linking
- Reconciliation, NER
- Most frequently used datasets by libraries
  - 14 datasets based on the OCLC and the LIBER LOD WG surveys
- A linking example

4. Applying a Model: Element Sets and Value Vocabularies

- Opening library silos while avoiding LOD silos
- Bibliographic models: IFLA LRM, RDA and BIBFRAME 2.0
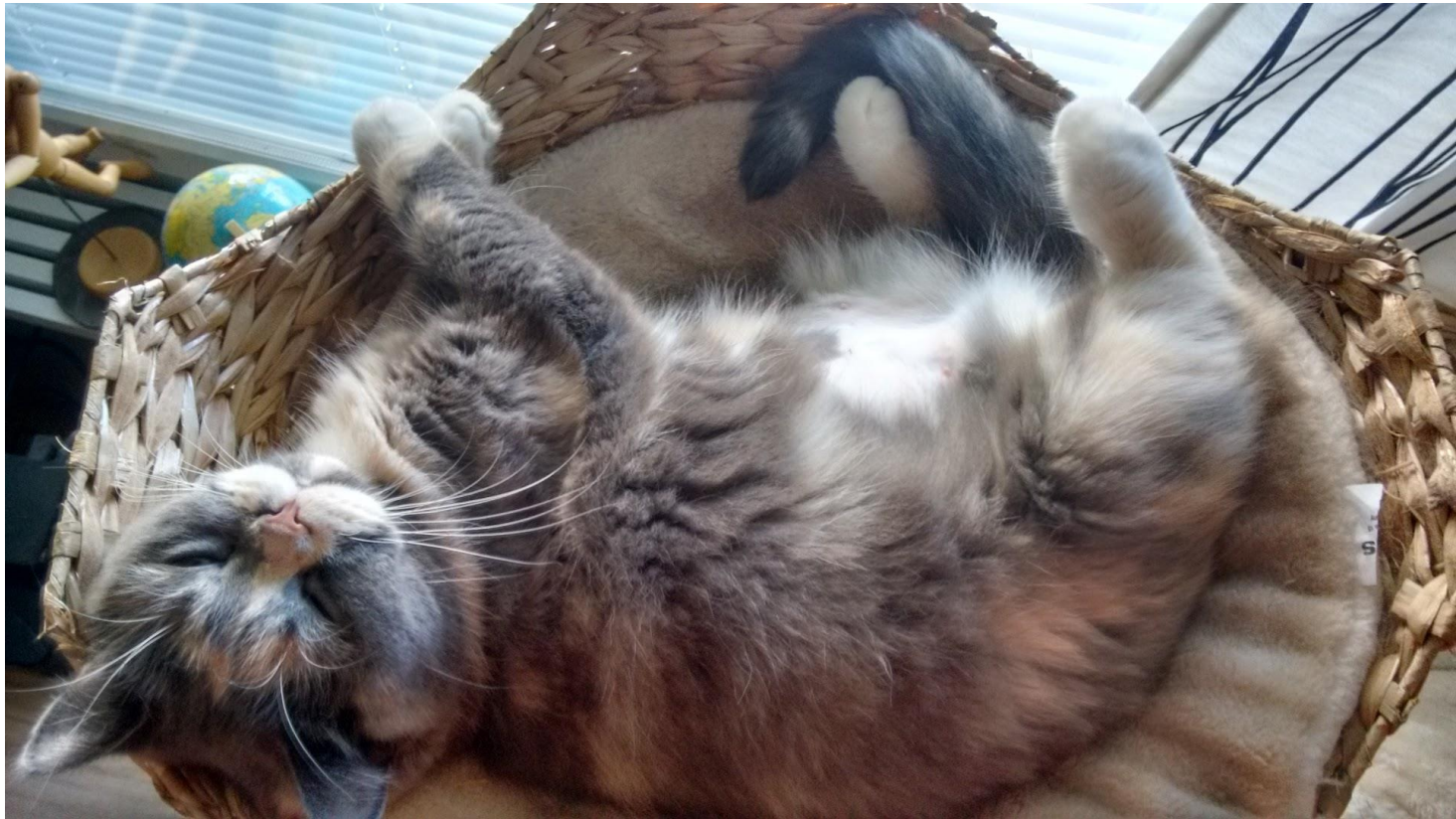- Element sets
- Value vocabularies

5. Converting the Data

- Solutions exist but some tinkering is usually required
  - The specific implementation is of less importance
- A mapping is needed
- Verification of the result of the conversion

6. Making the Data Available

- How to serve your data
  - File for download in several formats
  - SPARQL endpoint
- Documentation and license
  - Documentation and license included with the data
- How to make your data known
  - Data catalogues
  - Aggregating sites

Other Resources, Conclusions and References

- LD4L and LD4P
- Linked Open Data Cloud
- Everything depends on the type of data
  - Proper planning goes a long way
- A list of suggested reading
- Question: where do you discuss library LOD?

Thank you!

matias.frosterus@helsinki.fi