

Development of an RDF-Enabled Cataloguing Tool



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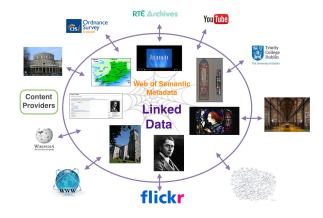
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Semantic Web

- A Web of Data where relationships between data are defined in a common machine readable format.
- Linked Data (LD) describes the publishing and interlinking of resources to the Semantic Web (SW) using HTTP URIs.
- The Resource Description Framework (RDF) is a model for representing and exchanging LD on the web as structured data.

Libraries & Linked Data



- Interlinking of authoritative metadata between libraries and other institutional databases.
- Increased resource visibility and more efficient searching.
- Limited LD tools available that target the needs of librarians and that are usable for non-technical experts.

Metadata Object Description Schema - MODS

- · User-oriented XML schema for a bibliographic element set.
- Standardised per the Digital Library Federation's (DLF) MODS implementation guidelines for digital resources.
- MODS-RDF is an RDF ontology for MODS and it can be used to represent MODS bibliographic data as linked data.

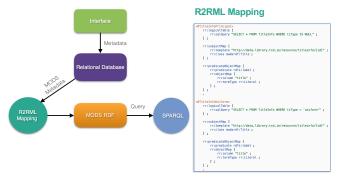
Aim

Design a cataloguing interface for librarians that generates standarised MODS-RDF bibliographic records

Cataloguing Interface



MODS-RDF Output



Querying MODS-RDF - SPARQL



Conclusion & Future Directions

- LD tools designed specifically with the needs and expertise of librarians in mind has the potential to facilitate increased LD publication by libraries.
- Collaborate further with the library to explore the possibility of engaging librarians in the process of LD interlinking.





