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DEVELOPMENT OF A METADATA OBJECT DESCRIPTION SCHEMA (MODS) CATALOGUING TOOL FOR THE LIBRARY OF TRINITY COLLEGE DUBLIN'S DIGITAL RESOURCES AND IMAGING SERVICES (DRIS).

AUTHORS

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EXTENDED ABSTRACT

Motivation: MODS is a highly flexible XML metadata schema that can be used to catalogue a great variety of cultural heritage materials, and offers the capability to describe hierarchical relationships between objects. It was developed as a subset of MARC21, however, unlike MARC, MODS uses textual field labels rather than numeric fields, and its structure has allowed for metadata elements to be regrouped and reorganised with the metadata record.

MODS-RDF is a linked data/semantic web version of the schema that allows for publication of the metadata and interlinking of metadata over the web. It is an expression of the MODS bibliographic element set in RDF and can be used to create new MODS-RDF records, or to create an RDF description of existing MODS XML records. With MODS-RDF the metadata can be queried by linked data and semantic web applications, making it more available for searching in the open web environment.

Aim: The aim of this project is to develop a cataloguing tool that will generate MODS-RDF metadata records, in keeping with the Digital Library Federation Implementation Guidelines for Shareable MODS Records.

Method: The cataloging tool is being developed using a model-driven user interface approach that allows entry fields to be automatically validated against the MODS-RDF model and the interface to change as the model evolves. The user interface was developed with the metadata cataloguer of DRIS in Trinity College Library.

Result: The cataloguing tool is in its final development stage. By producing MODS-RDF records the TCD Library intends to publish the bibliographic data of their digital collections as linked data.

BRIEF ABSTRACT FOR THE CONFERENCE'S PROGRAMME

The aim of this project is to develop a cataloguing tool that generates MODS-RDF metadata records. The cataloging tool is being developed using a model-driven user interface approach that allows entry fields to be automatically validated against the MODS-RDF model and the interface to change as the model evolves.

The Library of Trinity College Dublin's Digital Resources and Imaging Services (DRIS) hopes to move towards publishing bibliographic data of their digital collections as linked data as MODS-RDF records, to allow for use by applications and easy interlinking with other linked data about cultural heritage artefacts over the web.