Virtual Heritage Network: Ireland 2016

2nd Annual VHN Ireland Conference, 8 -10 December

College of Arts, Celtic Studies and Social Sciences, School of English, Digital Humanities
University College Cork, Ireland.

Name: Lucy McKenna

Affiliation: Adapt Centre, School of Computer Science and Statistics, Trinity College Dublin

Address: Adapt Centre, O'Reilly Building, Trinity College Dublin, Dublin 2, Ireland

Contact Number: 083 4504956

Email: lucy.mckenna@adaptcentre.ie

Twitter:

LinkedIn: https://ie.linkedin.com/in/lucy-mckenna-0415612b

Academia:

Bio Author(s) (100 words):

Lucy McKenna: Lucy is PhD student in the ADAPT Centre within the School of Computer Science and Statistics in Trinity College Dublin.

Marta Bustillo: Dr. Marta Bustillo is Assistant Librarian in the Digital Resources and Imaging Services Department in Trinity College Library, where she works as Metadata Cataloguer.

Christophe Debruyne: Dr. Christophe Debruyne is currently a Research Fellow affiliated with the ADAPT Centre, TCD, in the domain of Semantic Web and Linked Data.

Declan O'Sullivan: Dr. Declan O'Sullivan lectures at TCD's School of Computer Science and Statistics, is the Head of Intelligent Systems, a co-champion of the Trinity Digital Engagement interdisciplinary theme, and a SFI Principal Investigator at the ADAPT centre, TCD.

✓ Conference □Workshop

Do you want to be considered for a bursary?

□Yes ✓ No

If you selected 'yes', please submit a brief statement and a 2 page CV along with the submission form.

Title of Submission

Development of a Metadata Object Description Schema (MODS) Cataloguing Tool for the Library of Trinity College Dublin's Digital Resources and Imaging Services (DRIS).

Format of Presentation

□Oral □ PechaKucha(20x20 6m40s) □10min

✓ Poster

□Interactive Format:

Choose the theme that best describes your submission from the list below:

Policy and standards

Choose a sub-topic from the list below:

Metadata Handling & Management

Extended Abstract

(up to 600 words & 2-4 Images for oral presentations/ 250 words & 1-2 images for posters/PekaKucha)

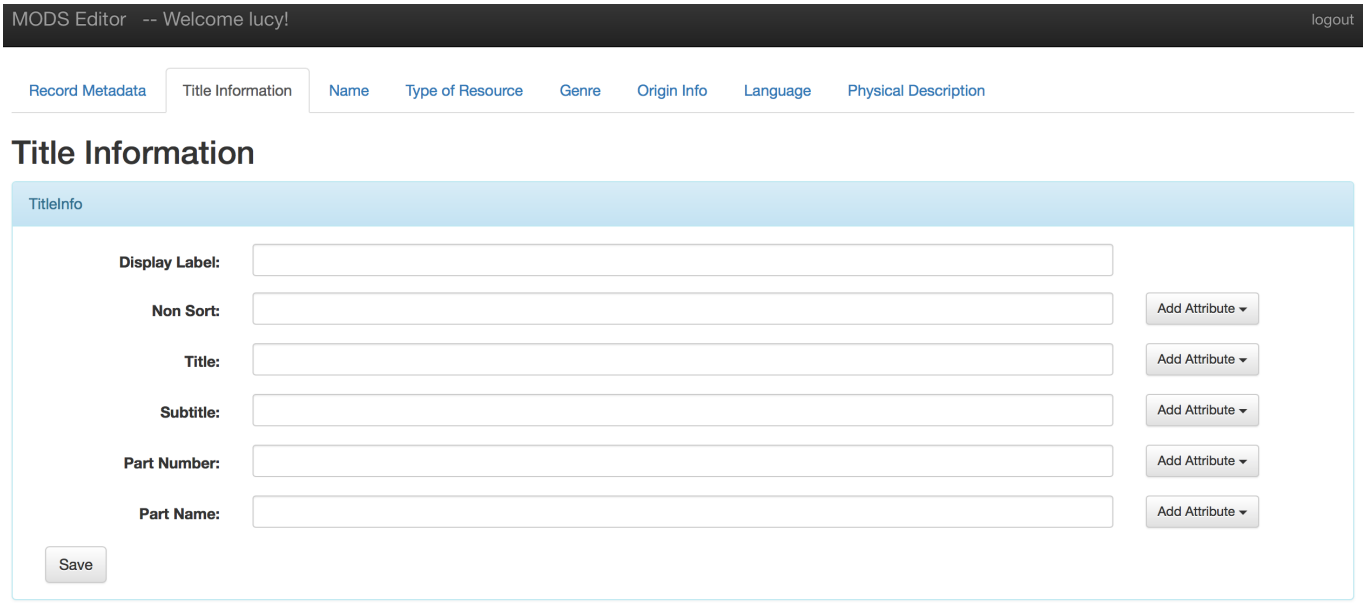
Motivation: MODS is a highly flexible XML metadata schema that can be used to catalogue a great variety of cultural heritage materials, and offers the capability to describe hierarchical relationships between objects. It was developed as a subset of MARC21, however, unlike MARC, MODS uses textual field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

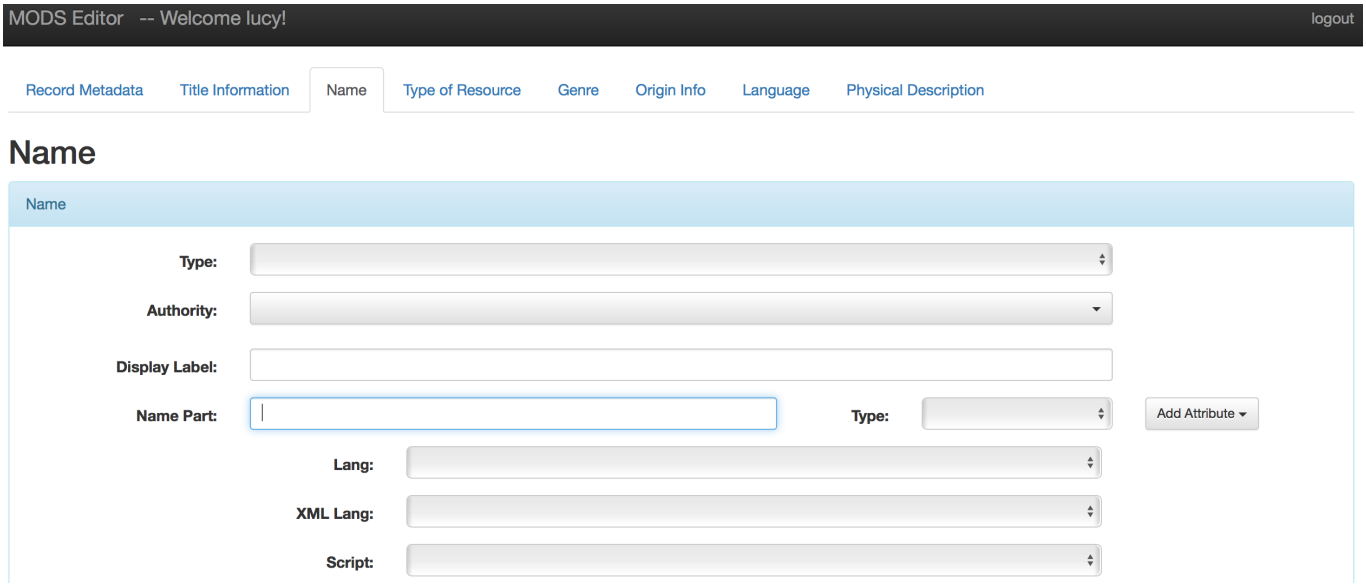
MODS-RDF is a linked data/semantic web version of the schema that allows for publication of the metadata and interlinking of metadata over the web. It is an expression of the MODS bibliographic element set in RDF and can be used to create new MODS-RDF records, or to create an RDF description of existing 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
(100 words for both oral presentations and posters / 50 words for PekaKucha)

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.

Please send the form with subject line VHN:Ireland 2016 to submit.vhnireland@gmail.com, deadline September 4th 18:00. Acceptance to the conference is subject to positive review by the VHN: Ireland 2016 conference committee.