Research Information and Consent

Linked Data Research Questionnaire

Thank you for agreeing to participate in this questionnaire. Please read the

information below which outlines the purpose of this research as well as what

participation involves.

Who is conducting the research?

The research is being conducted by a PhD student from the ADAPT Centre, a

research centre that is partly based in the School of Computer Science and

Statistics in Trinity College Dublin.

PhD Student: Lucy McKenna, ADAPT Centre, Trinity College Dublin

Academic Supervisor: Prof. Declan O'Sullivan, ADAPT Centre, Trinity College

Dublin

Assistant Supervisor: Dr. Christophe Debruyne

What is the aim of the questionnaire?

The aim of this questionnaire is to gather information from librarians,

archivists, researchers, and other professionals working in the the cultural

heritage domain, regarding their views on cataloguing interfaces, as well as

their opinions on linked data. You do not have to be familiar with linked data

in order to complete this questionnaire.

Why was I asked to participate?

You have been asked to participate in this research as you have been identified as someone with; experience working in a cultural heritage institution such as a library, archive or museum; or experience cataloguing library or cultural heritage metadata; or research experience in library science or the cultural heritage domain.

What will participating in the research involve?

If you agree to participate in the research you will be asked to complete a questionnaire in which you will be asked to answer a series of questions regarding the topics outlined above. The majority of these questions will require you to select an answer from a number of options, and some will require you to write your own answer. Please do not name third parties in any open text field of the questionnaire. Any such replies will be anonymised.

How long will it take?

It should take approximately 15-20 minutes to complete the questionnaire. Although this is longer than many questionnaires, I ask for your patience as the subject area is quite broad.

The questionnaire tool is enabled to allow you to pause your questionnaire and return to it later should you not be able to complete it all in one go.

What happens to the information I provide?

The data gathered from this questionnaire will be used as part of the above research project. All information you provide will be treated with full confidentiality and, if published, will not be identifiable as yours.

What if I change my mind about participating in this research?

Your participation in this questionnaire is completely voluntary. You are free to withdraw from the research at any time without any penalty. Should you chose to withdraw from the research, all information you have provided will be deleted upon your request. Simply contact the researcher should you wish to do so.

If you wish to stop participating in the research part-way through the questionnaire, simply close the questionnaire window on your web browser.

Any questions?

Please feel free to contact the researcher, Lucy McKenna, via email at lucy.mckenna@adaptcentre.ie.

Declaration of Consent

- 1. I am 18 years or older and am competent to provide consent.
- I have read a document providing information about this research. I have had the opportunity to ask questions and all my questions have been answered to my satisfaction.

 I agree that my data is used for scientific purposes and I have no objection that my data is published in scientific publications in a way that does not reveal my identity.

- 4. I freely and voluntarily agree to be part of this research study, without prejudice to my legal and ethical rights.
- 5. I understand that I may refuse to answer any question and that I may withdraw at any time without penalty.
- 6. I understand that my participation is fully anonymous and that no personal details about me will be recorded.

Having read the information above, do you consent to participate in this research?

O Yes

O No

Demographic Information

Do you have experience in one or more of the following areas?

Ш	Working	in a	cultural	heritage	inst	itution	(e.g.	library,	archive,	museum,	gallery)
	0										

- Cataloguing library or cultural heritage metadataResearcher in the area of library science
- Researcher for a cultural heritage project
- Researcher in the area of Linked Data

None of the above What is your current occupation? What type of institution do you currently work in e.g. academic library, public library, archive, museum? Overall, how long have you worked in the library, archive, cultural heritage and/or research domain? O Less than 1 year 1-3 years O 4-6 years 7-9 years 10 years or more Cataloguing

The following questions will explore your experience, if any, with metadata cataloguing and in using cataloguing tools.

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Are	e you involved in the metadata cataloguing process in your current
WO	rkplace?
0	Yes No
	nat metadata formats do you apply when cataloguing? Please select as appropriate.
1110	as appropriater
	AudioMD and VideoMD
	BIBFRAME
	Dublin Core
	Darwin Core
	EAD (Encoded Archival Description)
	Extended Date/Time Format (EDTF)
	ISO 19115 Geographic Information
	LIDO - Lightweight Information Describing Objects
	MADS (Metadata Authority Description Standard)
	MADS-RDF
	MARC 21
	MARCXML
	METS (Metadata Encoding & Transmission Standard)
	MIX (NISO Metadata for Images in XML)
	MODS (Metadata Object Description Standard)
	MODS-RDF
	PB Core (Public Broadcasting Core Metadata)
	TEI (Text Encoding Initiative)
	TextMD (Technical Metadata for Text)
	UNIMARC

10/01/2018, 15:34 **Qualtrics Survey Software** Other(s) - please list: Unsure/None Throughout your career, what cataloguing tools/software have you gained experience in using? Aleph CALM Capita Prism (TALIS Prism) Dspace Fedora Koha Sierra Evergreeen Filemaker Lucidea Mandarin Omeka SobekCM Other - please state: Other - please state: Other - please state: Other - please state:

None/Unsure

Did you require the support of a technical person to be able to use any of the tool(s) you selected previously?

	Yes	Maybe/Unsure	No
» Aleph	0	0	0
» CALM	0	0	0
» Capita Prism (TALIS Prism)	0	0	0
» Dspace	0	0	0
» Fedora	0	0	0
» Koha	0	0	0
» Sierra	0	0	0
» Evergreeen	0	0	0
» Filemaker	0	0	0
» Lucidea	0	0	0
» Mandarin	0	0	0
» Omeka	0	0	0
» SobekCM	0	0	0
» Other - please state:	0	0	0
Other - please state:	0	0	0
Other - please state:	0	0	0
Other - please state:	0	0	0
» None/Unsure	0	0	O

The following questions/statements will give you an opportunity to express your satisfaction with the cataloguing tools that you have experience in using.

Think about the tasks that you completed when using the tool while you answer these statements.

Please read each statement and indicate how strongly you agree or disagree with the statement by selecting a number on the scale.

If a statement does not apply to you, simply leave it blank.

It was simple to use this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0

» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

I could effectively complete my work using this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0

» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

I was able to complete my work quickly using this tool.

(If a statement does not apply to you, simply leave it blank)

Strongly Strongly

	agree 1	2	3	4	5	6	disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

It was easy to learn how to use this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
	-			_			
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
Other - please state:	0	0	0	0	0	0	0

» None/Unsure O O O O O C

Whenever I made a mistake using the tool, I recovered easily and quickly.

	Strongly agree						Strongly disagree
	1	2	3	4	5	6	7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0

Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

The organisation of information on the tool's screen was clear.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	\circ	\circ	\circ	\circ	\circ	\circ	\circ

» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

The interface of this tool was pleasant.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0

» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

This tool had all the functions and capabilities I expected it to have.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0
» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0

» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

Overall, I was satisfied with this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» Aleph	0	0	0	0	0	0	0
» CALM	0	0	0	0	0	0	0
» Capita Prism (TALIS Prism)	0	0	0	0	0	0	0
» Dspace	0	0	0	0	0	0	0

» Fedora	0	0	0	0	0	0	0
» Koha	0	0	0	0	0	0	0
» Sierra	0	0	0	0	0	0	0
» Evergreeen	0	0	0	0	0	0	0
» Filemaker	0	0	0	0	0	0	0
» Lucidea	0	0	0	0	0	0	0
» Mandarin	0	0	0	0	0	0	0
» Omeka	0	0	0	0	0	0	0
» SobekCM	0	0	0	0	0	0	0
Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

Linked Data

This section of the questionnaire is going to explore your knowledge of the Semantic Web and Linked Data, as well as your opinions on the usefulness of Linked Data in the library and cultural heritage domain.

If you are unfamiliar with the concepts of the Semantic Web and Linked Data, a brief description of the topics has been provided below. Please feel free to skip this description if you are already familiar with these concepts.

The Semantic Web and Linked Data

The Web contains a vast amount of information typically presented in the form of HTML documents/webpages constructed from raw data. These documents/webpages are linked through the use of hyperlinks. This type of linking has been used to great effect by search engines to rank content based on relevance, typically by seeking keywords in a page. However, machines have difficulty extracting any meaning from the documents themselves.

The Semantic Web is an extension of the current web in which information is given well defined meaning and where the relationships between data are defined in a common machine readable format.

Linked data essentially involves creating identifiers for resources on the Web and then linking these resources together in a meaningful way by describing the relationship between them, for example, sameAs. Thus the relationships between data, and not just the documents in which they are contained, are made explicit and readable by both humans and machines. These relationships are expressed using a standard format called RDF (Resource

Description Framework).

RDF is a model developed by the W3C for representing and exchanging Linked Data on the web as structured data. It consists of simple 'triple statements' to describe the relationship (predicate) between a subject and an object. RDF requires that URIs (Uniform Resource Identifiers) are used to identify subjects and relationships (predicates), allowing for the resulting data to be understood by computers. SPARQL is an RDF query language i.e. a semantic query language for databases which allows for the retrieval and manipulation of data stored in RDF format. A SPARQL endpoint enables users (human or other) to query a knowledge base via the SPARQL language.

In essence, the vision of the Semantic Web and Linked Data is to transform the web into one large interlinked and searchable database rather than a disparate collection of documents.

Sources:

Berners-Lee, T., Hendler, J., & Lassila, O. (2001). The Semantic Web. Scientific American, 284(5), 1-5.

Bizer, C., Heath, T., & Berners-Lee, T. (2009). Linked Data - The Story So Far. International Journal on Semantic Web and Information Systems, 5(3), 1-22.

W3C. (2015). Data. Retrieved from https://www.w3.org/standards/semanticweb/data

W3C. (2015). Semantic Web. Retrieved from https://www.w3.org/standards/semanticweb/

How would you rate your current knowledge of the following topics:

	Extremely knowledgeable	Very knowledgeable	Moderately knowledgeable	Slightly knowledgeable	kı
Semantic Web	0	0	0	0	
Linked Data	0	0	0	0	
RDF - Resource Description Framework	0	0	0	0	
URIs - Uniform Resource Identifiers	0	0	0	0	
SPARQL	0	0	0	0	
Ontologies	0	0	0	0	

Do you think that **publishing** library and other cultural heritage metadata as Linked Data has the potential to **add value to the Semantic Web**?

Voc
162

Unsure

O No

In what way do you think that **publishing** library and other cultural heritage metadata as Linked Data could **add value to the Semantic Web**? Please select as many as appropriate.

Do you think libraries and other cultural heritage institutions face **barriers** to **publishing** Linked Data?

O Yes

Unsure

O No

What are these barriers? Please select as many as appropriate.

Qualtrics Survey Software 10/01/2018, 15:34 Copyright issues Difficulty cleaning data Difficulty incorporating Linked Data publication into current workflow Difficulty establishing links Difficulty using Linked Data software/tools Difficulty using SPARQL endpoints Inadequate Linked Data software/tools available Insufficient availability of controlled vocabularies in Linked Data format Insufficient availability of useful ontologies Lack of useful case studies Steep learning curve Time consuming Other(s), please list: Do you think that **consuming** (using) Linked Data resources has the potential to benefit the library and cultural heritage domains? O Yes Unsure) No What benefits do you think consuming Linked Data offers the library and cultural heritage domains? Please select as many as appropriate. Automated authority control

 □ Enriched bibliographic metadata □ Harmonising data from multiple sources □ Improved metadata quality □ Improved data discovery □ Interlinking across datasets □ Interlinking across institutions □ More efficient data searches □ Reduction in time spent creating metadata □ Other(s), please list:
Do you think libraries and other cultural heritage institutions
face barriers to consuming Linked Data?
YesUnsureNo
What are these barriers? Please select as many as appropriate.
Authority control issues
Data format volatility issues
Dataset reusability issues
Dataset reliability issues
☐ Difficulty creating controlled vocabularies
☐ Difficulty establishing interlinks
☐ Difficulty incorporating Linked Data into cataloguing systems

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Qualtrics Survey Software 10/01/2018, 15:34 Difficulty using Linked Data software/tools Insufficient useful case studies Lack of suitable Linked Data software/tools available Lack of useful resources available as Linked Data ☐ Large size of RDF dumps Slow dataset updates Time consuming processes Unstable endpoints Use of unstable URIs Other(s), please list: **Linked Data Experience** Have you ever been directly involved in the implementation of a Linked data project/service? O Yes O No How was Linked Data used in this project/service? O Consumed Linked Data Published Linked Data O Consumed and Published Linked Data

Wh	nat Linked Data datasets were consumed as part of the project/service
	AAT - Art and Architecture Thesaurus
	AGROVAC - Controlled Vocabulary of the Food and Agriculture Organisation of the United Nations
	American Numismatic Society's Thesaurus of Numismatic Concepts
	The British Museum's Semantic Web Collection
	British National Bibliography (British Library)
	CIDOC-CRM
	DBpedia
	Dewey Web Services
	DPLA - Digital Public Library of America
	Drug Encyclopedia
	Europeana
	The European Library (TEL)
	EuroVoc - Multilingual Thesaurus of the European Union
	FAST - Faceted Application of Subject Terminology
	GEMET - General Multilingual Environmental Thesaurus
	GeoNames
	ISNI - International Standard Name Identifier
	Library of Congress Linked Data Services - id.loc.gov
	NAF - Library of Congress / NACO Authority File
	ORCID
	Research Libraries UK Lined Open Data
	Smithsonian Libraries' Books Online
	TGM - Thesaurus of Graphic Materials
	TGN - Getty Thesaurus of Geographic Names
	ULAN - Union List of Artist Names
	University College Dublin's Digital Library
	VIAF - Virtual International Authority File
	Wikidata

WorldCat.org ■ WorldCat.org Works Others - please list: Unsure/None What type of data was published as Linked Data? Please select as many as appropriate. Authority files Bibliographic data Controlled Vocabularies Digital collections Encoded Archival Descriptions Geographic data Holdings data Museum object data Ontologies Statistical Data Other(s), please list:

What RDF Vocabularies and Ontologies were used for the project/service?

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ARCH - Archival Collection Ontology
BIBO- The Bibliographic Ontology
BIO - A Vocabulary for Biographical Information
BF - BIBFRAME Vocabulary
BLT - British Library Terms RDF Schema
CIDOC-CRM
CERIF semantic vocabularies
DAT - Data Catalogue Vocabulary
Dcterms - DCMI Metadata Terms
DCE - Dublin Core Metadata Element Set
EAC-CPF Description Ontology for Linked Archival Data
ELM - Europeana Data Model vocabulary
The Event Ontology
FABIO - FRBR-aligned Bibliographic Ontology
FOAF - Friend of a Friend
FRBR - Expression of Core FRBR Concepts in RDF
GEO - WGS84 Geo Positioning
ISBD - ISBD elements
LIB - Library Extension of Schema.org
Local Vocabulary
MADS - Metadata Authority Description Schema
MAP - DPLA Metadata Application Profile
MO - Music Ontology
MODS - Metadata Object Description Schema
Nomisma Ontology
ORE - The OAI ORE Terms Vocabulary
ORG - Care Organisation Ontology
OWL
Radatana
RDA - Local Vocabulary VOCABS
RDAG2 - RDA Group 2 Elements
RDF Schema

Qualtrics Survey Software 10/01/2018, 15:34 REV - Review Vocabulary schema - Schema.org vocabulary ☐ SIOC SKOS - Simple Knowledge Organisation System ■ VIVO - VIVO Core Ontology □ viaf.org/ontology Other(s) - please list: Unsure/None Did you personally gain experience using any Linked Data Tools whilst working on the project? If so, which ones? AgreementMaker Apache Fuseki ARC2 CODI D2R Server Fedora Commons KnoFuss LIMES LogMap OAI2LOD Server OpenRefine (GoogleRefine) Protege Pubby

RDF Refine

RiMOM

RuleMiner SAIM SERIMI SILK IOC Exporters SLINT SparqPlug Talis Platform Triplify Vapour Validation Virtuoso Universal Serve	er							
	Other - please state:							
	Other - please state:							
	Other - please state:							
	Other - please state:							
☐ None/Unsure								
Did you require the supp tool(s) you selected prev		inical person to be able to	o use any of the					
	Yes	Maybe/Unsure	No					
» AgreementMaker	0	0	0					
» Apache Fuseki	0	0	0					
» ARC2	0	0	0					
» CODI	0	0	0					
» D2R Server	0	0	0					
» Fedora								

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Commons	0	0	0
» KnoFuss	0	0	0
» LIMES	0	0	0
» LogMap	0	0	0
» OAI2LOD Server	0	0	0
OpenRefine (GoogleRefine)	0	0	0
» Protege	0	0	0
» Pubby	0	0	0
» RDF Refine	0	0	0
» RiMOM	0	0	0
» RuleMiner	0	0	0
» SAIM	0	0	0
» SERIMI	0	0	0
» SILK	0	0	0
» IOC Exporters	0	0	0
» SLINT	0	0	0
» SparqPlug	0	0	0
» Talis Platform	0	0	0
» Triplify	0	0	0
» Vapour Validation	0	0	0
» VirtuosoUniversal Server	0	0	0
» Zhisi.Links	0	0	0

» Other - please state:	O	O	O
» Other - please state:	0	0	0
» Other - please state:	0	0	0
» Other - please state:	0	0	0
» None/Unsure	0	0	0

The following questions/statements will give you an opportunity to express your satisfaction with the Linked Data tools that you have experience in using.

Think about the tasks that you completed when using the tool while you answer these statements.

Please read each statement and indicate how strongly you agree or disagree with the statement by selecting a number on the scale.

If a statement does not apply to you, simply leave it blank.

It was simple to use this tool.

	Strongly agree	2	3	4	5	6	Strongly disagree
	1	2	3	4	5	6	7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0

» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

I could effectively complete my work using this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0

» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» Virtuoso	\circ						

	Iniv	10	20	Se	N	or
U	יוו ווי	٧UI	Sal	Ot	# V	/EI

» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

I was able to complete my work quickly using this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0

» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0

» Other - please

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state:	O	O	O	O	O	O	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	O	0	O	0	O	0	0

It was easy to learn how to use this tool.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» AgreementMaker	0	0	0	0	0	0	\circ
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	\bigcirc	\circ	\circ	\circ	\bigcirc	\bigcirc	\circ

» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

Whenever I made a mistake using the tool, I recovered easily and quickly.

	Strongly						Strongly disagree
	agree 1	2	3	4	5	6	7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» Fedora Commons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	\circ	\circ	\circ	\circ	0

» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
> Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

The organisation of information on the tool's screen was clear.

(If a statement does not apply to you, simply leave it blank)

Strongly Strongly

	agree 1	2	3	4	5	6	disagree 7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0

Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

The interface of the tool was pleasant.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0

» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0

» Zhisi.Links	O	O	O	O	O	O	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

The tool had all the functions and capabilities I expected it to have.

	Strongly agree 1	2	3	4	5	6	Strongly disagree 7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0

» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	0	0	0	0	0	0	0
» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0

» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

Overall, I was satisfied with this tool.

	Strongly agree						Strongly disagree
	1	2	3	4	5	6	7
» AgreementMaker	0	0	0	0	0	0	0
» Apache Fuseki	0	0	0	0	0	0	0
» ARC2	0	0	0	0	0	0	0
» CODI	0	0	0	0	0	0	0
» D2R Server	0	0	0	0	0	0	0
» FedoraCommons	0	0	0	0	0	0	0
» KnoFuss	0	0	0	0	0	0	0
» LIMES	0	0	0	0	0	0	0
» LogMap	0	0	0	0	0	0	0
» OAI2LOD Server	0	0	0	0	0	0	0
» OpenRefine (GoogleRefine)	0	0	0	0	0	0	0
» Protege	0	0	0	0	0	0	0
» Pubby	0	0	0	0	0	0	0
» RDF Refine	\bigcirc	\bigcirc	\circ	\circ	\bigcirc	\bigcirc	\circ

» RiMOM	0	0	0	0	0	0	0
» RuleMiner	0	0	0	0	0	0	0
» SAIM	0	0	0	0	0	0	0
» SERIMI	0	0	0	0	0	0	0
» SILK	0	0	0	0	0	0	0
» IOC Exporters	0	0	0	0	0	0	0
» SLINT	0	0	0	0	0	0	0
» SparqPlug	0	0	0	0	0	0	0
» Talis Platform	0	0	0	0	0	0	0
» Triplify	0	0	0	0	0	0	0
» Vapour Validation	0	0	0	0	0	0	0
» VirtuosoUniversal Server	0	0	0	0	0	0	0
» Zhisi.Links	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» Other - please state:	0	0	0	0	0	0	0
» None/Unsure	0	0	0	0	0	0	0

Interlinking Tool

This section of the questionnaire will explore your thoughts on the development of a Linked Data tool for the library, archive and cultural heritage domain.

If a Linked Data tool was developed specifically for librarians, archivists and related professionals - do you think it would be more important for the tool to enable the:

O Publication of Linked Data
O Consumption of Linked Data
O Both publication and consumption of Linked Data
O Neither/None
O I do not think these professionals require bespoke Linked Data tools

Why do you think this?

The process of Linked Data Interlinking involves linking data from one resource to related data in another. This interlinking can be done across institutional databases, as such, library data could be integrated with data from other cultural heritage institutions such as museums, archives or

galleries.

Llow woof	u would vou	oonoider s	a Linkad Dat	امناسمهمانی	sing tool for	librariana						
How useru	ıl would you	consider a	a Linked Data	a interiini	ting tool for	librarians,						
archivists a	archivists and related professionals to be?											
Extremely useless	Moderately useless	Slightly useless	Neither useful nor useless	Slightly useful	Moderately useful	Extremely useful						
Why do yo	ou think this?											
						1						
In your opi	inion, what fo	unctions w	ould be imp	ortant for	the tool to h	ave? What						
would you	like to be at	ole to do w	vith such a to	ool? Pleas	e select as r	nany as						
appropriat												
		o Blanco con	على و او و و و دا وا			_						
	ess of commo controlled voc											
	rable to the in	stitution's v	vorkflow									
☐ Data cle	eaning											
Data en	riching											
Integrate	e Linked Data	datasets in	to the catalog	lue								
Link dis	covery											

Qualtrics Survey Software 10/01/2018, 15:34 Link to related controlled vocabularies automatically Link to related ontologies automatically Review the quality of an external data source before use Remove the need for understanding Linked Data technicalities Validate/verify generated links Vocabulary alignment/reconciliation Others(s), please list: Unsure/None If an Interlinking Tool for libraries and cultural heritage institutions did exist Linked Data datasets would you find most useful to interlink with? Please select as many as appropriate. AAT - Art and Architecture Thesaurus AGROVAC - Controlled Vocabulary of the Food and Agriculture Organisation of the United Nations American Numismatic Society's Thesaurus of Numismatic Concepts The British Museum's Semantic Web Collection British National Bibliography (British Library) CONA - Cultural Objects Name Authority DBpedia Dewey Web Services DPLA - Digital Public Library of America Drug Encyclopedia Europeana

EuroVoc - Multilingual Thesaurus of the European Union

The European Library (TEL)

Qualtrics Survey Software 10/01/2018. 15:34 FAST - Faceted Application of Subject Terminology GEMET - General Multilingual Environmental Thesaurus GeoNames ISNI - International Standard Name Identifier Library of Congress Lined Data Services - id.loc.gov NAF - Library of Congress / NACO Authority File ORCID Research Libraries UK Lined Open Data Smithsonian Libraries' Books Online TGM - Thesaurus of Graphic Materials ☐ TGN - Getty Thesaurus of Geographic Names ULAN - Union List of Artist Names University College Dublin's Digital Library VIAF - Virtual International Authority File Wikidata WorldCat.org WorldCat.org Works Other(s) - please list: None/Unsure When completing different metadata tasks, what evaluation criteria do you apply when using, or searching for, external datasources? Please select as many as appropriate. Availability of the external source (e.g. SPARQL endpoint is accessible) Licensing issues (e.g. Can I use this external source freely?) Syntactic validity (e.g. Are dates in the correct format, correct spelling?)

Qualtrics Survey Software 10/01/2018, 15:34 Conciseness (e.g. Is there any redundancy within the external source?) Completeness (e.g. Do all external metadata fields have values?) Trustworthiness (e.g. Can this provider be trusted that all data is correct?) Understandability (e.g. Are all records in the external source labelled and ready for human consumption?) Timeliness (e.g. Are all records up to date?) Provenance (e.g. Does the external source provide provenance/origin information on the data?) Interoperability (e.g. Does the external source use well-known standard schemas to represent the data?) Versatility (e.g. Is the data available in different languages?) Other, please list: None/Unsure Can you give an example of a data quality issue or concern that you experience frequently?

Do you have any additional thoughts or feedback regarding the topics discussed during this questionnaire?

		h
Thanks and Recruitn	nent	
Thank you for particip	pating in this questionnaire, you contribution is greatly	
appreciated.		
The next phase of this	s research will involve giving librarians, and persons	
working in related role	es, the opportunity to evaluate a Linked Data Interlinkin	ng
Tool designed specific	cally for cultural heritage institutions.	
If you would be interes	sted in participating in this follow-up	
interview/evaluation, p	olease leave your name and contact information below	'.
Your contact informati	ion will be stored securely and will not be shared.	
Providing your conta	act information here does not commit you to having	J
to participate in futu	re stages of this research - you will be able to opt	
out at any stage.		
Name:		

Email:

Additionally, if you have any friends or colleagues who you think would be suitable participants for this questionnaire, I would be extremely grateful if you would share the link below with them.

A suitable participant for this questionnaire is someone with; experience working in a cultural heritage institution such as a library, archive or museum; experience cataloguing library or cultural heritage metadata; or research experience in library science or the cultural heritage domain.

Questionnaire Link: https://goo.gl/gbGZ1v

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