

Metadata Record Creation Assignment

Introduction

This document gives the metadata records compiled in the Dublin Core – Simple and ERC metadata formats for five Internet located information objects. The metadata records are recorded in their entirety. Following the records, the author discusses issues found with the Generic Metadata Editor, problems and issues related to finding the proper information for the elements of each format, issues with the quality of the metadata, the benefits and drawbacks of the respective formats and some of the more unique issues encountered while completing this assignment.

Electronic Resource Citation Records

1. ERCBaca.txt

who: Baca, Murtha | The Getty Research Institute | Gill, Tony | Gilliland-Swetland, Anne J. | Woodley, Mary

what: Introduction to Metadata: Pathways to Digital Information | digital | information | digital information | metadata | data standards | meta data | web resources | World Wide Web | cultural heritage information | digital resources | Dublin Core | dublin core | metadata mapping | metadata maps | metadata crosswalks | crosswalk | indexing for the Internet

when: 2000

where: http://www.getty.edu/research/conducting_research/standards/intrometadata/#---new segment---

who: Gilliland-Swetland, Anne J.

what: Setting the Stage | Defining Metadata | Categorizing Metadata | digital objects life-cycle | metadata

when: :unkn

where:

http://www.getty.edu/research/conducting_research/standards/intrometadata/2_articles/index.html

#---new segment---

who: Gill, Tony
what: Metadata and the World Wide Web | World Wide Web | Cataloging | Research | metadata | Resource Description Framework | RDF

when: :unkn

where:

http://www.getty.edu/research/conducting_research/standards/intrometadata/2_articles/gill/index.html

#---new segment---

who: Woodley, Mary
what: Crosswalks: the Path to Universal Access | metadata conversion | CIMI | Consortium for the Computer Interchange Museum Information | Dublin Core | CDWA | museum information | elements | qualifiers | SCPIO | MARC | crosswalk
when: :unkn
where:
http://www.getty.edu/research/conducting_research/standards/intrometadata/2_articles/woodley/index.html

2. ERCHeeryPatel.txt

who: Heery, Rachel | Patel, Manjula
what: Application profiles: mixing and matching metadata schemas | metadata | meta data | UKOLN | DESIRE | Dublin Core | Warwick Framework | Resource Discovery Framework | RDF | metadata schemas | DCMI | DC Educational Schema | RSLP collection description schema | Namespace | application profile | BIBLINK | SCHEMAS | Dublin Core Registry Working Group | MARC | XML
when: 2000 09 24
where: <http://www.ariadne.ac.uk/issue25/app-profiles/>

3. ERCIndecs.txt

who: <indecs> Framwork Ltd | Dorner, Jane
what: <indecs> | Standards | stnadardisation | identifiers | metadata | rights management | intellectual property rights | IP rights | CIS plan | DOI | RDF | Resource Description Framework | XML | resource description | commerce model | metadata registries | INFO2000 | MNRCS | digital libraries
when: :unkn
where: <http://www.indecs.org/>
#---new segment---
who: Rust, Godfrey | Bide, Mark
what: The <indecs> metadata framework | metadata | metadata interoperability | metadata element | metadata attribute | metadata types | commerce metadata | metadata dictionary
when: 2000 06
where: <http://www.indecs.org/pdf/framework.pdf>
#---new segment---
who: Bide, Mark
what: Directory of Parties: outline specification | names | directory | interoperation | directory parties | unique identification
when: 1999 10 25
where: <http://www.indecs.org/pdf/DirectoryofParties.pdf>
#---new segment---
who: <indecs>

what: Summary Final Report <Indecs>: Interoperability of Data in E-commerce Systems | interoperability | e-commerce | ecommerce | Info2000 | DOI | MUZE | EDItEUR | IDF | International DOI Foundation

when: 2000 06

where: <http://www.indecs.org/pdf/SummaryReport.pdf>

4. ERCCARL.txt

who: Canadian Association of Research Libraries

what: What's New at CARL | Canadian research libraries | library | libraries | research libraries | CARL

when: :unkn

where: http://www.carl-abrc.ca/frames_index.htm

5. ERCGCRL.txt

who: Greenberg, Jane | Crystal, Abe | Robertson, W. Davenport | Leadem, Ellen

what: Iterative Design of Metadata Creation Tools for Resource Authors | metadata generation tools | metadata applications | Dublin Core | Author-generated metadata

when: :unkn

where: http://www.siderean.com/dc2003/202_Paper82-color-NEW.pdf

Dublin Core Records

6. DCBaca.txt

<META NAME="DC.Title" LANG="en" CONTENT="Introduction to Metadata (Getty Research Institute)"><META NAME="DC.Title" LANG="en" CONTENT="Welcome: Introduction to Metadata - Pathways to digital information">

<META NAME="DC.Subject" LANG="en" CONTENT="digital">

<META NAME="DC.Subject" LANG="en" CONTENT="information">

<META NAME="DC.Subject" LANG="en" CONTENT="digital information">

<META NAME="DC.Subject" LANG="en" CONTENT="metadata">

<META NAME="DC.Creator" LANG="en" CONTENT="Murtha Baca">

<META NAME="DC.Description" LANG="en" CONTENT="This page introduces viewers to the concept of metadata from a digital information perspective."><META

NAME="DC.Publisher" LANG="en" CONTENT="Getty Research Institute">

<META NAME="DC.Contributor" LANG="en" CONTENT="Murtha Baca">

<META NAME="DC.Subject" LANG="en" CONTENT="data standards">

<META NAME="DC.Subject" LANG="en" CONTENT="meta data">

<META NAME="DC.Subject" LANG="en" CONTENT="Web resources">

<META NAME="DC.Subject" LANG="en" CONTENT="World Wide Web">

<META NAME="DC.Subject" LANG="en" CONTENT="cultural heritage information">

<META NAME="DC.Subject" LANG="en" CONTENT="digital resources">

<META NAME="DC.Subject" LANG="en" CONTENT="Dublin Core">

<META NAME="DC.Subject" LANG="en" CONTENT="dublin core">

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<META NAME="DC.Subject" LANG="en" CONTENT="metadata mapping">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata maps">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata crosswalks">
<META NAME="DC.Subject" LANG="en" CONTENT="crosswalk">
<META NAME="DC.Subject" LANG="en" CONTENT="indexing for the Internet">
<META NAME="DC.Contributor" LANG="en" CONTENT="Anne Gilliland-
Swetland">
<META NAME="DC.Contributor" LANG="en" CONTENT="Tony Gill">
<META NAME="DC.Contributor" LANG="en" CONTENT="Mary Woodley">
<META NAME="DC.Description" LANG="en" CONTENT="Version 2.0 of the site
devoted to metadata: what it is, its types and uses, and how it can improve access to Web
resources; includes a crosswalk.">
<META NAME="DC.Date" LANG="en" CONTENT="2000">
<META NAME="DC.Type" LANG="en" CONTENT="text">
<META NAME="DC.Format" LANG="en" CONTENT="text/html">
<META NAME="DC.Identifier" LANG="en"
CONTENT="http://www.getty.edu/research/conducting_research/standards/intrometadat
a/index.html">
<META NAME="DC.Language" LANG="en" CONTENT="en">
<META NAME="DC.Rights" LANG="en"
CONTENT="http://www.getty.edu/legal/copyright.html">

```

7. DCHeeryPatel.txt

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<META NAME="DC.Title" LANG="en" CONTENT="Main Articles: 'Application
profiles: mixing and matching metadata">
<META NAME="DC.Creator" LANG="en" CONTENT="Rachel Heery">
<META NAME="DC.Creator" LANG="en" CONTENT="Manjula Patel">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata">
<META NAME="DC.Subject" LANG="en" CONTENT="meta data">
<META NAME="DC.Subject" LANG="en" CONTENT="UKOLN">
<META NAME="DC.Subject" LANG="en" CONTENT="DESIRE">
<META NAME="DC.Subject" LANG="en" CONTENT="Dublin Core">
<META NAME="DC.Subject" LANG="en" CONTENT="Warwick Framework">
<META NAME="DC.Subject" LANG="en" CONTENT="Resource Discovery
Framework">
<META NAME="DC.Subject" LANG="en" CONTENT="RDF">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata schemas">
<META NAME="DC.Subject" LANG="en" CONTENT="DCMI">
<META NAME="DC.Subject" LANG="en" CONTENT="DC Educational Schema">
<META NAME="DC.Subject" LANG="en" CONTENT="RSLP collection description
schema">
<META NAME="DC.Subject" LANG="en" CONTENT="Namespace">
<META NAME="DC.Subject" LANG="en" CONTENT="application profile">
<META NAME="DC.Subject" LANG="en" CONTENT="BIBLINK">
<META NAME="DC.Subject" LANG="en" CONTENT="SCHEMAS">

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<META NAME="DC.Subject" LANG="en" CONTENT="Dublin Core Registry
Working Group">
<META NAME="DC.Subject" LANG="en" CONTENT="MARC">
<META NAME="DC.Subject" LANG="en" CONTENT="XML">
<META NAME="DC.Description" LANG="en" CONTENT="This paper introduces
application profiles as a type of metadata schema.">
<META NAME="DC.Publisher" LANG="en" CONTENT="UKOLN">
<META NAME="DC.Date" LANG="en" CONTENT="2000-09-24">
<META NAME="DC.Type" LANG="en" CONTENT="text">
<META NAME="DC.Format" LANG="en" CONTENT="text/html">
<META NAME="DC.Identifier" LANG="en"
CONTENT="http://www.ariadne.ac.uk/issue25/app-profiles/">
<META NAME="DC.Relation" LANG="en" CONTENT="IsPartOf Ariadne Issue 25">
<META NAME="DC.Rights" LANG="en"
CONTENT="http://www.ariadne.ac.uk/about/copyright-new.html">

<META NAME="DC.Language" LANG="en" CONTENT="en">

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8. DCindex.txt

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<META NAME="DC.Title" LANG="en" CONTENT="Index Home Page">
<META NAME="DC.Creator" LANG="en" CONTENT="Jane Dorner">
<META NAME="DC.Subject" LANG="en" CONTENT="Standards">
<META NAME="DC.Subject" LANG="en" CONTENT="standardisation">
<META NAME="DC.Subject" LANG="en" CONTENT="identifiers">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata">
<META NAME="DC.Subject" LANG="en" CONTENT="rights management">
<META NAME="DC.Subject" LANG="en" CONTENT="intellectual property rights">
<META NAME="DC.Subject" LANG="en" CONTENT="IP rights">
<META NAME="DC.Subject" LANG="en" CONTENT="CIS plan">
<META NAME="DC.Subject" LANG="en" CONTENT="DOI">
<META NAME="DC.Subject" LANG="en" CONTENT="RDF">
<META NAME="DC.Subject" LANG="en" CONTENT="Resource Description
Framework">
<META NAME="DC.Subject" LANG="en" CONTENT="XML">
<META NAME="DC.Subject" LANG="en" CONTENT="resource description">
<META NAME="DC.Subject" LANG="en" CONTENT="commerce model">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata registries">
<META NAME="DC.Subject" LANG="en" CONTENT="INFO2000">
<META NAME="DC.Subject" LANG="en" CONTENT="MNRCS">
<META NAME="DC.Subject" LANG="en" CONTENT="digital libraries">
<META NAME="DC.Description" LANG="en" CONTENT="The website <index>,
a group interested in metadata as it relates to intellectual property rights.">
<META NAME="DC.Publisher" LANG="en" CONTENT="<index> Framework
Ltd.">
<META NAME="DC.Type" LANG="en" CONTENT="text">

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<META NAME="DC.Format" LANG="en" CONTENT="text/html">
<META NAME="DC.Identifier" LANG="en" CONTENT="http://www.indecs.org/">
<META NAME="DC.Language" LANG="en" CONTENT="en">
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9. DCCARL.txt

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<META NAME="DC.Title" LANG="en" CONTENT="<META NAME="DC.Creator"
LANG="en" CONTENT="Canadian Association of Research Libraries">
<META NAME="DC.Subject" LANG="en" CONTENT="Canadian research libraries">
<META NAME="DC.Subject" LANG="en" CONTENT="library">
<META NAME="DC.Subject" LANG="en" CONTENT="libraries">
<META NAME="DC.Subject" LANG="en" CONTENT="research libraries">
<META NAME="DC.Description" LANG="en" CONTENT="The official website for
the Canadian Association of Research Libraries (CARL).">
<META NAME="DC.Publisher" LANG="en" CONTENT="Canadian Association of
Research Libraries">
<META NAME="DC.Type" LANG="en" CONTENT="text">
<META NAME="DC.Format" LANG="en" CONTENT="text/html">
<META NAME="DC.Identifier" LANG="en" CONTENT="http://www.carl-
abrc.ca/frames_index.htm">
<META NAME="DC.Language" LANG="en" CONTENT="en">
<META NAME="DC.Coverage" LANG="en" CONTENT="Canada">
<META NAME="DC.Creator" LANG="en" CONTENT="Katherine McColgan">
">
<META NAME="DC.Title" LANG="en" CONTENT="What's New at CARL">
```

10. DCGCRL.txt

```
<META NAME="DC.Title" LANG="en" CONTENT="Iterative Design of Metadata
Creation Tools for Resource Authors">
<META NAME="DC.Creator" LANG="en" CONTENT="Jane Greenberg">
<META NAME="DC.Creator" LANG="en" CONTENT="Abe Crystal">
<META NAME="DC.Creator" LANG="en" CONTENT="W. Davenport Robertson">
<META NAME="DC.Creator" LANG="en" CONTENT="Ellen Leadem">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata generation tools">
<META NAME="DC.Subject" LANG="en" CONTENT="metadata applications">
<META NAME="DC.Subject" LANG="en" CONTENT="Dublin Core">
<META NAME="DC.Subject" LANG="en" CONTENT="Author-generated metadata">
<META NAME="DC.Description" LANG="en" CONTENT="This is a paper that
reports on the design process and author surveys of the National Institute of
Environmental Health Sciences (NIEHS) metadata application.">
<META NAME="DC.Publisher" LANG="en" CONTENT="Jane Greenberg">
<META NAME="DC.Publisher" LANG="en" CONTENT="Abe Crystal">
<META NAME="DC.Publisher" LANG="en" CONTENT="W. Davenport Robertson">
<META NAME="DC.Publisher" LANG="en" CONTENT="Ellen Leadem">
<META NAME="DC.Type" LANG="en" CONTENT="text">
<META NAME="DC.Format" LANG="en" CONTENT="text/html">
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<META NAME="DC.Identifier" LANG="en"  
CONTENT="http://www.siderean.com/dc2003/202_Paper82-color-NEW.pdf">  
<META NAME="DC.Language" LANG="en" CONTENT="en">
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Discussion

All things considered, the Generic Metadata Editor (GME) worked fairly well. The largest difficulties arose from not downloading the libraries properly. Occasionally, there seemed to be some misunderstanding as to where the cursor would end up and where the next element was going to be placed on the page in relation to the last element. This, however, was easily amended. The only thing that I did not really care for was the inability to open multiple editors at once, but this did not really present a problem with employment of a simple text editor like Notepad.

The harvesting of metadata seems to always present the same age-old problem of knowing just which data to use for a particular element. This seems odd given the fact that only one particular media was used in this case, but even within the same medium, format, layout, and information provided vary a great deal from website to website. Students writing a bibliography page using MLA, Turabian or APA often face the same issue. It took me a while to recognize which data elements were preferred over others in the Dublin Core scheme. It reminded me of the time I loaded ProCite on my computer and thought the confusion over writing my bibliography entries for research was over. Unfortunately, it was not. The addition of ProCite only meant that I would not have to repeat the process the next time I used a particular citation or bibliography. Dublin Core presented the greatest amount of ambiguity to me as far as what data to insert into which element. It seemed to straddle the line between offering not enough granularity in description and offering too much. The ERC format seemed limited enough to simplify the population of a record, at least at its base level.

The value of the metadata seems to vary from scheme to scheme. Dublin Core seems rich enough to capture enough facets of the object to offer searches enough indexed data to perform a very precise search. ERC, on the other hand, would seem to offer more recall for the searcher. Dublin Core seemed to limit the depth to which an Internet object can be described because it did not seem to have the segmented approach that ERC offered. These observations may seem to conflict, but in reality, they do not. Dublin Core can offer rich description of relatively flat objects like the pdf documents. ERC can offer passable descriptions of relatively multi-dimensional objects like a corporate or organizational website.

Having not yet grasped the total richness in the ERC scheme, I have a hunch that it will prove to be the best at all around description of the many of the objects found on the Internet. Dublin Core seems to be a better single document or flat object sort of scheme. The use of overlapping elements in the Dublin Core (ex. Creator, Publisher, Contributor) makes for a highly descriptive record for a flat object. This same overlapping makes these elements relatively useless because context cannot be specified. In the ERC scheme, overlapping elements are unnecessary because basic interrogatives are applied to

a specific context. This gives a relatively simple record a high degree of flexibility. Perhaps, this flexibility may yield a higher degree of precision, with an intelligent query.

Dublin Core seems too tied to the analogy of a book for an object. ERC seems to be able to describe the more abstract concept of object better. The Dublin Core looks like a truncated MARC record, and the ERC scheme seems better abstracted to handle many and variegated types of objects.

Conclusion and Summary

Not being familiar with the ERC scheme and hearing so much about Dublin Core (OCLC does have some sway in the library community), I was surprised to find Dublin Core to be so awkward compared to the ERC scheme. This may have to do with my own ignorance, but DC does not seem abstract enough to capture everything found on the Internet. I need to read more on ERC because I am not sure that I understand it fully. Kunze seems to hint at more applications than he gives examples. One other problem with Kunze is that he seems to stretch and bend the meaning of words out of their normal usage such that it is difficult to tell whether an expression is being used technically or generally. This became a source of frustration as I was reading through his article and trying to apply it to the object at hand. Dublin Core official documentation was minimalist in description, and the various schedules would make it difficult to make out if it were not for the class lecture notes.