

DISCOVERING STANDARDS

Adoptability and Adaptability

Dorothea Salo
the iSchool at UW-Madison
NADDI 2015

"Enhancing Discoverability

with

Open Metadata Standards"

**IF YOU'RE HERE,
YOU THINK THE...**



... IS A GOOD LIFE!

SO DO I!

Or I wouldn't be a librarian.

Or teach in an iSchool.



A few of my favorite standards

Photo: NASA Goddard Space Flight Center, "Galaxy Cluster Abell 1689"
<https://www.flickr.com/photos/gsfcr/4910568042/> CC-BY, enlarged/cropped



SGML

A few of my favorite standards

ISO 12083

SGML

HTML (in all its variations)

Text Encoding Initiative (TEI)

CSS

A few of my favorite standards

ISO 12083

SGML

HTML (in all its variations)

Text Encoding Initiative (TEI)

XML

XSLT

PREMIS

CSS

A few of my favorite standards

VRA Core

Dublin Core

METS

MODS

NLM/JATS

Darwin Core

DAISY Digital Talking Book

EPUB

ISO 12083

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schema.org microdata

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EPUB

**WHY AM I TALKING
ABOUT A TON OF**



S

**WHEN WE'RE HERE
TO TALK ABOUT JUST ONE?**

“Enhancing Discoverability

with

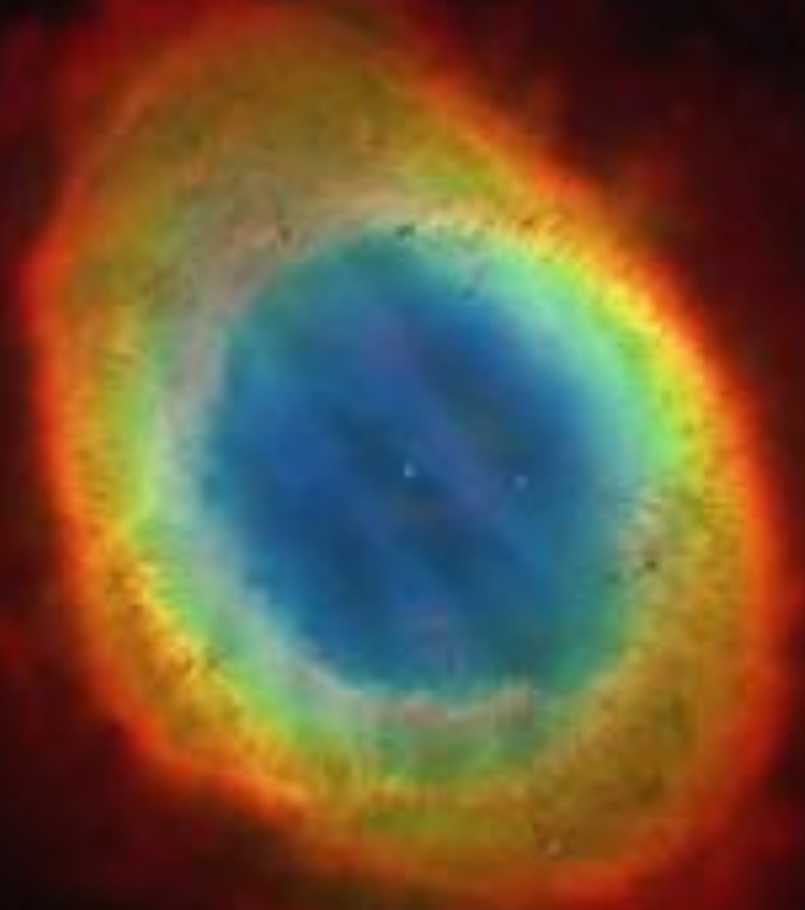
Open Metadata Standards”

"Enhancing Discoverability



Open Metadata Standards"

Because there is no



to rule them all.

Sorry, but...



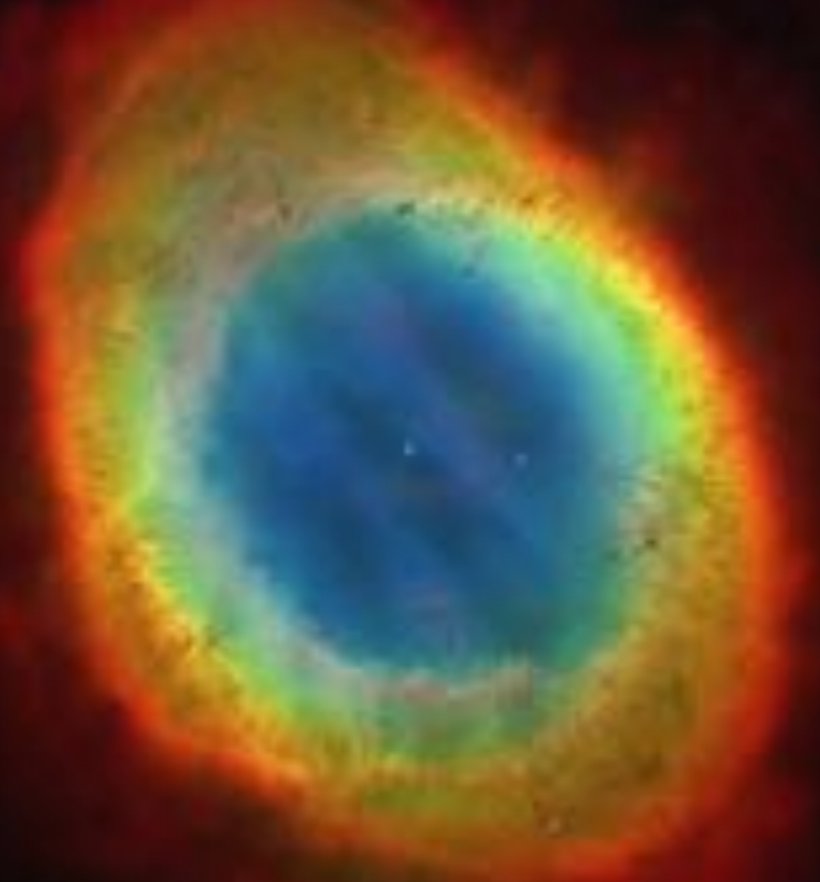
not even DDI.

IN



**WE ARE STRUGGLING
WITH THIS RIGHT NOW.**

We (thought we) had a



to rule them all...



Photo: John H Gray, "MARC 11"
<https://www.flickr.com/photos/8391775@N05/4431183721> CC-BY, cropped



Photo: John H Gray, "MARC 11"
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Photo: That's a Big If, "Cart Before the Horse"

<http://bestandworstever.blogspot.com/2013/01/worst-thing-to-put-before-horse-ever.html>

CC-BY 2.5, cropped



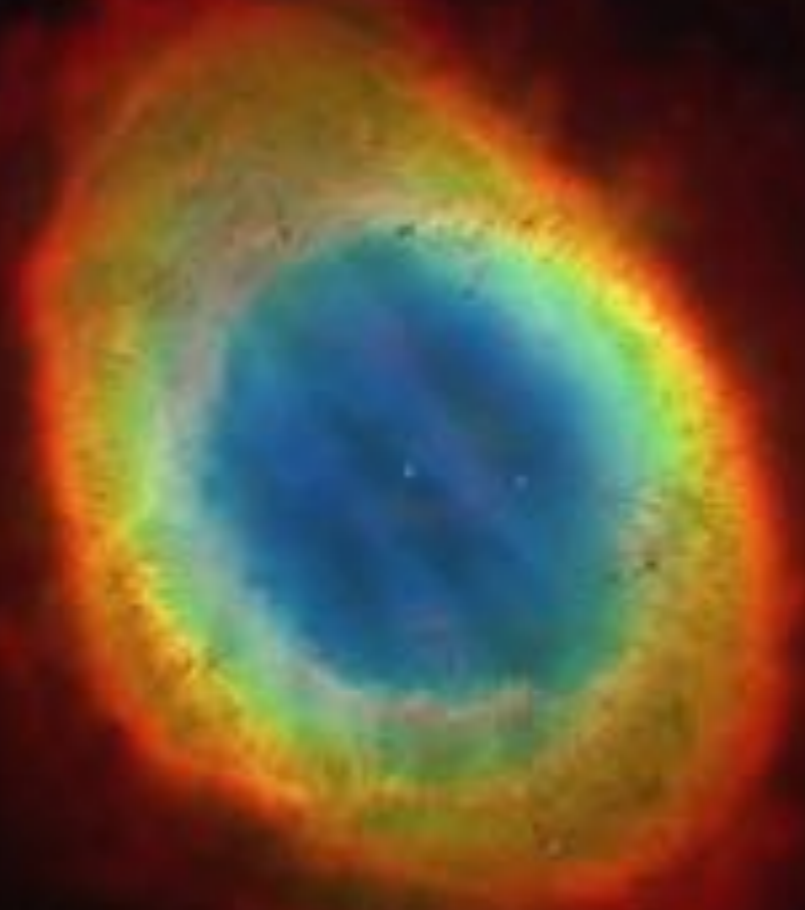
Photo: That's a Big If, "Cart Before the Horse"

<http://bestandworstever.blogspot.com/2013/01/worst-thing-to-put-before-horse-ever.html>

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Because there is no



to rule them all.



ORION 1.6




BI-BC


Photo: Spanish Coches, "Mismatched rear lights"
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A.P.





meh.



meh.



ARGH!

meh.



Photo: Jason Eppink, "split stairs"
<https://www.flickr.com/photos/jasoneppink/3523576857/> CC-BY

caps lock

A

S

break

Z

alt

option

control

CONSISTENCY IS WHY THE



IS A GOOD LIFE!

"Enhancing Discoverability



Open Metadata Standards"

Photo: Maxwell GS, "Coffee House Clarice 2"
<https://www.flickr.com/photos/maxwellgs/4267310664/> CC-BY, cropped





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Photo: sixpounder, "Deputy Enforcement Officer Blanche Rogers, 1913, Dewey, Oklahoma"
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Photo: Lachlan Donald, "Sharpest tool in the shed"
<https://www.flickr.com/photos/lox/9408028555/> CC-BY, cropped



Photo: Erich Ferdinand, "no"
<https://www.flickr.com/photos/erix/99778255> CC-BY, cropped

IN



**WE ARE STRUGGLING
WITH THIS RIGHT NOW.**

Article

Talk

Read

Edit

View history

Search



MARC standards

From Wikipedia, the free encyclopedia



This article may be too **technical** for most readers to understand. Please help **improve** this article to **make it understandable to non-experts**, without removing the technical details. The **talk page** may contain suggestions. *(September 2010)*

MARC (**MA**chine-**R**eadable

Cataloging) **s**tandards are a set of digital formats for the description of items catalogued by libraries, such as

books. It was developed by **Henriette Avram**^[1] at the US **Library of Congress** during

MARC

Filename extension

.mrc, .marc

Internet media type

application/marc

IN



**WE ARE STRUGGLING
WITH THIS RIGHT NOW.**



Photo: Haria Varlan, "The word no made from jigsaw puzzle pieces"
<https://www.flickr.com/photos/horiavarlan/4536149424/> CC-BY

Photo: Maxwell GS, "Coffee House Clarice 2"
<https://www.flickr.com/photos/maxwellgs/4267310664/> CC-BY, cropped




The image shows a glitched photograph of a Harinezumi (Japanese weasel). The original image is heavily distorted by horizontal lines and color shifts, creating a digital artifact effect. The colors are primarily blue, orange, and white, with some green and yellow at the bottom. The overall appearance is that of a corrupted digital file.

Photo: Doctor Popular, "Harinezumi glitch"
<https://www.flickr.com/photos/docpopular/8540519772/> CC-BY

"Enhancing Discoverability



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Data Documentation Initiative

From Wikipedia, the free encyclopedia



This article **needs additional citations for verification**. Please help *improve this article* by **adding citations to reliable sources**. Unsourced material may be challenged and removed. *(November 2010)*

The **Data Documentation Initiative (DDI)** is an international project to create a **standard** for information describing statistical and social science data (i.e., **metadata**). Begun in 1995, the effort brings together data professionals from around the world to develop the standard. The DDI specification, written in **XML**, provides a format for content, exchange, and preservation of information. Version 3.2 of the DDI standard was released in 2014.^[1] DDI fills a need related to the challenge of storing and distributing social science metadata, due to the ubiquity of proprietary file formats and no international standard for the design of **codebooks**. Version 2 of the DDI standard has been implemented in the **Dataverse** data repository and the data archives of the **Inter-university**



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A metadata specification for the social and behavioral sciences

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Specifications and documentation

DDI Lifecycle - Latest version: 3.2

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Useless!

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argh, WTF?!





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Aha! I get this!





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NOPE!!!!

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ugh...

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CAN I DO THIS?????



It's not about what

YOU

can do with DDI.

It's about what



can do with DDI.

It's about what

STUDENTS

can do with DDI.

It's about what

LIBRARIANS

can do with DDI.

It's about what

JOURNALISTS

can do with DDI.

It's about what

WEB DEVS

can do with DDI.

It's about what

SEARCH ENGINES

can do with DDI.



ASK PEOPLE!

ASK EDUCATORS

Photo: NASA Goddard Space Flight Center, "Galaxy Cluster Abell 1689"
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Open Data beta

Questions Tags Users

Search

ddl

search

0 results

relevance newest votes active

Your search returned no matches.

Open Data beta

Questions Tags Users

Search

ddl

search

0 results

relevance newest votes active

Your search returned no matches.

uh-oh...

microdata

Definitions

from Wiktionary, Creative Commons Attribution/Share-Alike License

***n.* data concerning individuals in a trial, survey etc.**

n. data stored in a microformat

Etymologies

microdata

Definitions

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n. data concerning individuals in a trial, survey etc.

n. data stored in a microformat

Etymologies

microformat

Definitions

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n. A simple data format that can be embedded in a webpage.

Etymologies

What is Schema.org?

This site provides a collection of schemas that webmasters can use to markup HTML pages in ways recognized by major search providers, and that can also be used for structured data interoperability (e.g. in JSON). Search engines including Bing, Google, Yahoo! and Yandex rely on this markup to improve the display of search results, making it easier for people to find the right Web pages.

Search

Thing > CreativeWork > Dataset

A body of structured information describing some topic(s) of interest.

Property	Expected Type	Description
Properties from Dataset		
catalog	DataCatalog	A data catalog which contains a dataset.
	DataDownload	A downloadable form of this

Search

[Home](#)

[Schemas](#)

[Documentation](#)

Thing > CreativeWork > DataCatalog

A collection of datasets.

Property	Expected Type	Description
Properties from DataCatalog		
dataset	Dataset	A dataset contained in a catalog.
Properties from CreativeWork		

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