

Mapping


LITA - ALA Anaheim 2012

Jon Phipps






A Resource, WorldCat




<http://www.worldcat.org/title/linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552>

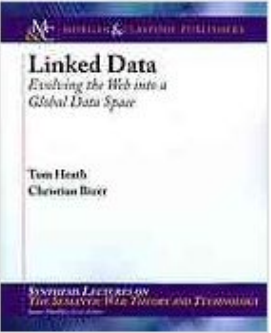
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Linked data : evolving the web into a global data space


Author: [Tom Heath, Dr.](#); [Christian Bizer](#)

Publisher: San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA) : Morgan & Claypool, ©2011.

Series: [Synthesis digital library of engineering and computer science.](#); [Synthesis lectures on the semantic web, theory and technology](#), #1.

Edition/Format:  eBook : Document : English : 1st ed [View all editions and formats](#)

Summary: The World Wide Web has enabled the creation of a global information space comprising linked documents. As the Web becomes ever more enmeshed with our daily lives, there is a growing desire for direct access to raw data not currently available on the Web or bound up in hypertext documents. Linked Data provides a publishing paradigm in which not only documents, but also data, can be a first class citizen of the Web, [Read more...](#)

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A Resource, MARC21

<https://catalog.library.cornell.edu/>

035 __ |a (CaBNvSL)gtp00546200

035 __ |a (OCoLC)704257552

100 1_ |a Heath, Tom.

245 10 |a Linked data |h [electronic resource] : |b evolving the web into a global data space / |c Tom Heath, Christian Bizer.

250 __ |a 1st ed.

260 __ |a San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA) : |b Morgan & Claypool, |c c2011.

300 __ |a 1 electronic text (x, 122 p.) : |b ill., digital file.

490 1_ |a Synthesis lectures on the semantic web, theory and technology ; |v # 1

538 __ |a Mode of access: World Wide Web.

A Resource, OCLC Linked Data

<http://www.worldcat.org/title/linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552>

- Linked Data

[More info about Linked Data](#)

<<http://www.worldcat.org/oclc/707877350>>

library:holdingsCount	"1"					
library:oclcnum	"707877350"					
library:placeOfPublication	<table border="1"><tr><td>rdf:type</td><td>schema:Place</td></tr><tr><td>schema:name</td><td>"San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA) :"</td></tr></table>	rdf:type	schema:Place	schema:name	"San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA) :"	
rdf:type	schema:Place					
schema:name	"San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA) :"					
owl:sameAs	< http://dx.doi.org/10.2200/S00334ED1V01Y201102WBE001 >					
rdf:type	schema:Book					
schema:about	<table border="1"><tr><td><http://id.worldcat.org/fast/1173243></td></tr><tr><td>rdf:type</td><td>skos:Concept</td></tr><tr><td>schema:name</td><td>"Web site development"</td></tr></table>	< http://id.worldcat.org/fast/1173243 >	rdf:type	skos:Concept	schema:name	"Web site development"
< http://id.worldcat.org/fast/1173243 >						
rdf:type	skos:Concept					
schema:name	"Web site development"					

marc21rdf.info

http://marc21rdf.info/elements/2XX/M260__a

Element Sets: MARC 21 Elements 2XX

Elements: Place of publication, distribution, etc. in Publication, Distribution, etc. (Imprint) (Not applicable or No information provided or Earliest available publisher)

Detail

Statements

History

Metadata +

Detail

Label:	Place of publication, distribution, etc. in Publication, Distribution, etc. (Imprint) (Not applicable or No information provided or Earliest available publisher)
Name:	hasPlaceOfPublicationDistributionEtclnPublicationDistributionEtclmprintNotApplicableOrNoInformationProvidedOrEarliestAvailablePublisher
URI:	http://marc21rdf.info/elements/2XX/M260__a (RDF)
Description:	Place of publication and any additions to the name of a place, including an address, bracketed correction to erroneous information, or bracketed clarification of a fictitious place. Not applicable or No information provided or Earliest available publisher.
Comment:	
Type:	property
Domain:	
Range:	
Status:	Published
Language:	English
Note:	tag: 260 (Publication, Distribution, etc. (Imprint)) ind1: # (Not applicable or No information provided or Earliest available publisher) ind2: # (no caption) sub: a (Place of publication, distribution, etc.)

marc21rdf.info

http://marc21rdf.info/elements/2XX/M260__a

tag: 260 (Publication, Distribution, etc. (Imprint))

ind1: # (Not applicable or No information provided or Earliest available publisher)

ind2: # (no caption)

sub: a (Place of publication, distribution, etc.)

Definition:

Place of publication and any additions to the name of a place, including an address...

Search for Place of Publication (1)

<http://metadatatregistry.org/schemaprop/search?sq=Place+of+Publication&commit=Search+Element+Sets>

Search results for 'Place of Publication'

Schema	Property	Type
MARC 21 Elements 00X	 Place of publication, production, or execution of All materials	property
MARC 21 Elements 2XX	 Place of publication, distribution, etc. in Publication, Distribution, etc. (Imprint) (Not applicable or No information provided or Earliest available publisher)	property
MARC 21 Elements 2XX	 Place of publication, distribution, etc. in Publication, Distribution, etc. (Imprint) (Intervening publisher)	property
MARC 21 Elements 2XX	 Place of publication, distribution, etc. in Publication, Distribution, etc. (Imprint) (Current or latest publisher)	property
MARC 21 Elements 5XX	 Fixed-length data elements of reproduction: Place of publication, production, or execution in Reproduction Note	property
ISBD elements	 has addition to place of publication	property
ISBD elements	 has parallel place of publication, production, distribution	property

Search for Place of Publication (2)

<http://metadataregistry.org/schemaprop/search?sq=Place+of+Publication&commit=Search+Element+Sets>

ISBD elements	 has addition to parallel place of publication	property
ISBD elements	 has place of publication , production, distribution	property
ISBD elements	 has place of publication , production, distribution statement	property
ISBD elements	 Place Of Publication , Production, Distribution Statement Encoding Scheme	subclass
FRBRer model	 has place of publication or distribution	property
RDA Group 1 Elements	 Parallel place of publication (Manifestation)	subproperty
RDA Group 1 Elements	 Parallel place of publication	property
RDA Group 1 Elements	 Place of publication (Manifestation)	subproperty
RDA Group 1 Elements	 Place of publication	property
16 results		

RDA Place of Publication (Manifestation)

<http://rdvocab.info/Elements/placeOfPublicationManifestation>

Element Sets: RDA Group 1 Elements Elements: Place of publication (Manifestation)

Detail

Statements

History

Metadata +

Detail

Label:	Place of publication (Manifestation)
Name:	placeOfPublicationManifestation
URI:	http://rdvocab.info/Elements/placeOfPublicationManifestation (RDF)
Description:	A place associated with the publication, release, or issuing of a resource.
Comment:	
Type:	subproperty
Parent:	Place of publication
Domain:	http://rdvocab.info/uri/schema/FRBREntitiesRDA/Manifestation
Range:	
Status:	New-Proposed
Language:	English
Note:	

FRBRer Place of Publication

<http://iflastandards.info/ns/fr/frbr/frbrer/P3057>

Element Sets: FRBRer model

Elements: has place of publication or distribution

Detail

Statements

History

Metadata +

Detail

Label:	has place of publication or distribution
Name:	hasPlaceOfPublicationOrDistribution
URI:	http://iflastandards.info/ns/fr/frbr/frbrer/P3057 (RDF)
Description:	Relates a manifestation to the city, town, or other locality associated in the manifestation with the name of the publisher or distributor.
Comment:	Source documentation has "publication/distribution"; slash character replaced with "or" to improve clarity.
Type:	property
Domain:	http://iflastandards.info/ns/fr/frbr/frbrer/C1003
Range:	
Status:	Published
Language:	English
Note:	

ISBD has Place of Publication...

<http://iflastandards.info/ns/isbd/elements/P1016>

Element Sets: ISBD elements

Elements: has place of publication, production, distribution

Detail

Statements

History

Metadata +

Detail

Label:	has place of publication, production, distribution
Name:	hasPlaceOfPublicationProductionDistribution
URI:	http://iflastandards.info/ns/isbd/elements/P1016 (RDF)
Description:	Relates a resource to the name of the place associated on the prescribed source of information with the name of the publisher, producer or distributor.
Comment:	
Type:	property
Domain:	http://iflastandards.info/ns/isbd/elements/C2001
Range:	
Status:	Published
Language:	English
Note:	Usually given on the preferred source of information as the name of a city. If no publisher, producer or distributor is named, it is the place from which the resource was issued or distributed.

RDA Manifestation

<http://rdvocab.info/uri/schema/FRBREntitiesRDA/Manifestation>

Element Sets: FRBR Entities for RDA Elements: Manifestation

Detail

Statements

History

Metadata +

Detail

Label:	Manifestation
Name:	Manifestation
URI:	http://rdvocab.info/uri/schema/FRBREntitiesRDA/Manifestation (RDF)
Description:	The physical embodiment of an expression of a work.
Comment:	
Type:	class
Status:	New-Proposed
Language:	English
Note:	

FRBRer Manifestation

<http://iflstandards.info/ns/fr/frbr/frbrer/C1003>

Element Sets: FRBRer model
Elements: Manifestation

Detail Statements History

Metadata +

Detail

Label:	Manifestation
Name:	Manifestation
URI:	http://iflstandards.info/ns/fr/frbr/frbrer/C1003 (RDF)
Description:	The physical embodiment of an expression of a work.
Comment:	
Type:	class
Status:	Published
Language:	English
Note:	

ISBD Resource

<http://iflstandards.info/ns/isbd/elements/C2001>

Element Sets: ISBD elements		
Elements: Resource		
Detail	Statements	History
Metadata +		
Detail		
Label:	Resource	
Name:	Resource	
URI:	http://iflstandards.info/ns/isbd/elements/C2001 (RDF)	
Description:	An entity, tangible or intangible, that comprises intellectual and/or artistic content and is conceived, produced and/or issued as a unit, forming the basis of a single bibliographic description.	
Comment:		
Type:	class	
Status:	Published	
Language:	English	
Note:	Includes text, music, still and moving images, graphics, maps, sound recordings and video recordings, electronic data or programs, including those issued serially.	

RDA Place of Publication

<http://rdvocab.info/Elements/placeOfPublication>

Element Sets: RDA Group 1 Elements Elements: Place of publication

Detail

Statements

History

Metadata +

Detail

Label:	Place of publication
Name:	placeOfPublication
URI:	http://rdvocab.info/Elements/placeOfPublication (RDF)
Description:	A place associated with the publication, release, or issuing of a resource.
Comment:	
Type:	property
Domain:	
Range:	
Status:	New-Proposed
Language:	English
Note:	

Schema.org

<http://purl.org/library/placeOfPublication>

The image shows a screenshot of a Schema.org editor interface. At the top, there are two tabs: "Annotations" (selected) and "Object Property Usage".

The main window is titled "Annotations: placeOfPublication". It contains a list of annotations:

- label** [language: en]: place of publication
- comment** [language: en]: This is the place where the schema:CreativeWork was published.
- isDefinedBy**: <http://purl.org/library/>
- term_status**: unstable

Below the annotations, there is a "Character:" section with several checkboxes:

- Functional
- Inverse func
- Transitive
- Symmetric
- Asymmetric
- Reflexive
- Irreflexive

To the right of the character section is a "Description: placeOfPublication" section. It contains several expandable sections:

- Domains (intersection)**: **CreativeWork**
- Ranges (intersection)**: **Place**
- Equivalent object properties**: +
- Super properties**: +
- Inverse properties**: +

Schema.org

<http://schema.org/Place>

Thing > Place

Entities that have a somewhat fixed, physical extension.

Property	Expected Type	Description
Properties from Thing		
<code>description</code>	Text	A short description of the item.
<code>image</code>	URL	URL of an image of the item.
<code>name</code>	Text	The name of the item.
<code>url</code>	URL	URL of the item.
Properties from Place		
<code>address</code>	PostalAddress	Physical address of the item.
<code>aggregateRating</code>	AggregateRating	The overall rating, based on a collection of reviews or ratings, of the item.
<code>containedIn</code>	Place	The basic containment relation between places.
<code>event</code>	Event	Upcoming or past event associated with this place or organization.
<code>events</code>	Event	Upcoming or past events associated with this place or organization (legacy spelling; see singular form, event).
<code>faxNumber</code>	Text	The fax number.
<code>geo</code>	GeoCoordinates or GeoShape	The geo coordinates of the place.
<code>interactionCount</code>	Text	A count of a specific user interactions with this item—for example, 20 <code>UserLikes</code> , 5 <code>UserComments</code> , or 300 <code>UserDownloads</code> . The user interaction type should be one of the sub types of UserInteraction .
<code>map</code>	URL	A URL to a map of the place.

The Place of Publication Properties

Domain	Schema	Range
	marc21	
schema:CreativeWork	schema.org	schema:Place
isbd:Resource	ISBD	
frbrer:Manifestation	FRBRer	
rda:Manifestation	RDA	
	RDA free	

Place of Publication Mapping

Domain	Schema	Range
	marc21	
marc21rdf:2XX/M260__a owl:equivalentProperty ↓		
	library	schema:Name
schema:CreativeWork	schema.org	schema:Place ↓
marc21rdf:2XX/M260__a owl:equivalentProperty		
isbd:Resource	ISBD	
marc21rdf:2XX/M260__a owl:equivalentProperty		
frbrer:Manifestation ↓	FRBRer	
frbrer:Manifestation owl:equivalentProperty ↓		
rda:Manifestation	RDA	
marc21rdf:2XX/M260__a owl:equivalentProperty		
	RDA (free)	

Place of Publication **Inferred**

<http://www.worldcat.org/title/>

[linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552](http://www.worldcat.org/linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552)

a schema:CreativeWork

a isbd:C2001 (Resource)

a frbrer:C1003 (Manifestation)

a rda:Manifestation

marc21rdf:2XX/M260__a "San Rafael, Calif. (1537 Fourth Street..."

frbrer:P3057 "San Rafael, Calif. (1537 Fourth Street..."

isbd:P1016 "San Rafael, Calif. (1537 Fourth Street..."

rdvocab.info:placeOfPublicationManifestation "San Rafael, Calif. (1537..."

rdvocab.info:placeOfPublication "San Rafael, Calif. (1537 Fourth Street..."

library:placeOfPublication (blank node)

a schema:Place

schema:name "San Rafael, Calif. (1537 Fourth Street..."

Place of Publication Mapping

Domain	Schema	Range
	marc21	
marc21rdf:2XX/M260__a owl:equivalentProperty		
	library	schema:Name ↓
schema:CreativeWork	schema.org	schema:Place
marc21rdf:2XX/M260__a owl:equivalentProperty		
isbd:Resource	ISBD	
marc21rdf:2XX/M260__a owl:equivalentProperty		
frbrer:Manifestation ↓	FRBRer	
frbrer:Manifestation owl:equivalentProperty		
rda:Manifestation ↓	RDA	
marc21rdf:2XX/M260__a owl:equivalentProperty		
	RDA (free)	

Dublin Core Map

https://github.com/dcmi/schema.org/blob/master/mappings_schema.org.xml

```
12 <!--
13      //////////////////////////////////////.
14      //
15      // Classes
16      //
17      //////////////////////////////////////.
18 -->
19
20 <rdf:Description rdf:about="schema:Organization">
21   <rdfs:subClassOf rdf:resource="dct:Agent"/>
22 </rdf:Description>
23 <rdf:Description rdf:about="schema:Person">
24   <rdfs:subClassOf rdf:resource="dct:Agent"/>
25 </rdf:Description>
26 <rdf:Description rdf:about="schema:Place">
27   <owl:equivalentClass rdf:resource="dct:Location"/>
28 </rdf:Description>
29 <rdf:Description rdf:about="schema:Event">
30   <owl:equivalentClass rdf:resource="dctype:Event"/>
31 </rdf:Description>
32 <rdf:Description rdf:about="schema:Language">
33   <rdfs:subClassOf rdf:resource="dct:LinguisticSystem"/>
34 </rdf:Description>
35 <rdf:Description rdf:about="dct:BibliographicResource">
36   <rdfs:subClassOf rdf:resource="schema:CreativeWork"/>
37 </rdf:Description>
38 <!--
39      //////////////////////////////////////.
40      //
41      // Properties
42      //
43      //////////////////////////////////////.
44 -->
```


Dublin Core Map

https://github.com/dcmi/schema.org/blob/master/mappings_schema.org.xml

```
<rdf:Description rdf:about="schema:Place">  
  <owl:equivalentClass rdf:resource="dct:Location"/>  
</rdf:Description>
```

```
<rdf:Description rdf:about="dct:BibliographicResource">  
  <rdfs:subClassOf rdf:resource="schema:CreativeWork"/>  
</rdf:Description>
```

Place of Publication Inferred

<http://www.worldcat.org/title/>

[linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552](http://www.worldcat.org/linked-data-evolving-the-web-into-a-global-data-space/oclc/704257552)

a schema:CreativeWork

a isbd:C2001 (Resource)

marc21rdf:2XX/M260__a "San Rafael, Calif. (1537 Fourth Street..."

isbd:P1016 "San Rafael, Calif. (1537 Fourth Street..."

rdvocab.info:placeOfPublication "San Rafael, Calif. (1537 Fourth Street..."

library:placeOfPublication <http://goo.gl/maps/FaHJ>

a schema:Place

a dcterms:Location

schema:name "San Rafael, Calif. (1537 Fourth Street..."

The Place of Publication

<http://goo.gl/maps/FaHJ>



Questions?

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