

Webinar:

Get Started with Metadata Schema 4.4!

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Agenda

- Introduction
- Schema 4.4 updates
- What's next?
- Q&A session
- Feedback session - Mentimeter

Metadata Working Group

- ❖ Madeleine de Smaele, TU Delft Library (co-chair)
- ❖ Isabel Bernal, CSIC (co-chair)
- ❖ Jan Ashton, British Library
- ❖ Marleen Burger, TIB
- ❖ Martin Fenner, DataCite Technical Director
- ❖ Samantha Foulger, ETH Zurich
- ❖ Ted Habermann, Metadata Game Changers
- ❖ Violeta Ilik, Adelphi University
- ❖ Anne Raugh, Univ. of Maryland
- ❖ Sophie Roy, NRC/CISTI
- ❖ Mohamed Yahia, INIST-CNRS
- ❖ Lisa Zolly, USGS

Tech update

Implementation in 2 phases:

- 1) completed:** Fabrica (partially), MDS API, REST API v.2 (partially)
- 2) Later this year (Q3):** REST API v.3, Fabrica (fully)

Minor version - Backwards compatible

Metadata Schema v. 4.4



Focus on textual publications

“DataCite Metadata Schema Documentation
for the Publication and Citation of
Research Data *and Other Research Outputs*”

RESOURCE TYPE
(2020 DOIS REGISTERED)

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• Dataset	1,638,123
• Text	1,543,562
• Image	381,516
• Physical Object	268,199
• Collection	90,351
• Other	83,439
• Software	57,779
• Audiovisual	52,678
• Sound	13,583
• Interactive Resource	9,163
• Data Paper	8,218
• Event	694
• Workflow	500
• Model	207
• Service	97

Source: DataCite Annual Report 2020

Schema v. 4.4

subject property

NEW SUBPROPERTY

classificationCode



6	Subject	0-n	Subject, keyword, classification code, or key phrase describing the resource
6.a	subjectScheme	0-1	The name of the subject scheme or classification code or authority if one is used
6.b	schemeURI	0-1	The URI of the subject identifier scheme
6.c	valueURI	0-1	The URI of the subject term
6.d	classificationCode	0-1	The classification code used for the subject term in the subject scheme

Schema v. 4.4

subject property

DIVISION			
	Group		
		Field	
34	CHEMICAL SCIENCES		
	3401	Analytical chemistry	
		340101	Analytical spectrometry
		340102	Bioassays
		340103	Electroanalytical chemistry
		340104	Flow analysis
		340105	Instrumental methods (excl. immunological and bioassay methods)
		340106	Metabolomic chemistry
		340107	Quality assurance, chemometrics, traceability and metrological chemistry
		340108	Sensor technology (incl. chemical aspects)
		340109	Separation science
		340199	Analytical chemistry not elsewhere classified

Schema v. 4.4

subject property

```
<subjects>  
  <subject xml:lang="en"  
    subjectScheme="Australian and New Zealand Standard Research Classification"  
    schemeURI="https://www.abs.gov.au/..."  
    classificationCode="340101">Analytical Spectrometry</subject>  
</subjects>
```

Schema v. 4.4



resourceTypeGeneral subproperty

NEW VALUES

For more discrete identification of output types

- Book
- BookChapter
- ComputationalNotebook
- ConferencePaper
- ConferenceProceeding
- Dissertation
- Journal
- JournalArticle
- OutputManagementPlan
- PeerReview
- Preprint
- Report
- Standard

Schema v. 4.4



resourceTypeGeneral subproperty

Output Management plan

Fabrica

* Resource Type General

The general type of the resource.

Output management plan

If none of the provided values matches, use Other and specify the resource type in the field below.

XML

Text

```
<resourceType resourceTypeGeneral="OutputManagementPlan"/>
```

More info on creating DMP ID's and link to other resources: <https://support.datacite.org/docs/datacite-dmp-ids>

Schema v. 4.4

relationType subproperty



NEW VALUE

isPublishedIn

```
-----  
<relatedIdentifiers>  
  <relatedIdentifier  
    relatedIdentifierType="DOI"  
    relationType="IsPublishedIn">  
      10.2174/97816080509011100101  
    </relatedIdentifier>  
  </relatedIdentifiers>  
-----
```

Schema v. 4.4

relatedItem property



NEW PROPERTY

Information about a resource related to the one being registered

1. Citation metadata
2. Discrete values
3. Identifier is optional

```
<relatedItem relationType="IsPublishedIn" relatedItemType="Journal">  
  <relatedItemIdentifier relatedItemIdentifierType="ISSN">  
    1793-6640</relatedItemIdentifier>  
  <title>Physics letters / B</title>  
  <volume>776</volume>  
  <publicationYear>2018</publicationYear>  
  <firstPage>249</firstPage>  
  <lastPage>264</lastPage>  
</relatedItem>
```

Schema v. 4.4

relatedItem property

Subproperties (only 2 are mandatory)

- relatedItemType (M)
- relationType (M)
- relatedItemIdentifier
- relatedItemIdentifierType
- creator
- title
- publicationYear
- volume
- issue
- number
- first page
- last page
- publisher
- edition
- contributor

Schema v. 4.4

relatedItem

```
<relatedItem relationType="IsPublishedIn" relatedItemType="Journal">  
  <relatedItemIdentifier relatedIdentifierType="ISSN">  
    2077-1312</relatedItemIdentifier>  
  <title>Journal of Marine Science and Engineering</title>  
  <volume>9</volume>  
  <issue>4</issue>  
  <number numberType="Article">398</number>  
  <publicationYear>2021</publicationYear>  
  <firstPage>1</firstPage>  
  <lastPage>13</lastPage>  
</relatedItem>
```

Schema v. 4.4

relatedItem

```
<relatedItem relationType="IsPublishedIn" relatedItemType="Collection">  
  <relatedItemIdentifier relatedIdentifierType="ISSN">  
    0384-3157</relatedItemIdentifier>  
  <title>Laboratory Technical Report (National Research Council of Canada.  
    Flight Research Laboratory)</title>  
  <number numberType="Report">LTR-FR-55</volume>  
</relatedItem>
```

Schema v. 4.4

relatedItem

```
<relatedItem relationType="IsPublishedIn" relatedItemType="Book">
  <relatedItemIdentifier relatedIdentifierType="ISBN">
    978-1-58381-931-9</relatedItemIdentifier>
  <title>Astronomical Data Analysis Software and Systems XXVII</title>
  <publicationYear>2018</publicationYear>
  <firstPage>463</firstPage>
  <lastPage>475</lastPage>
  <contributors>
    <contributor contributorType="Editor">
      <contributorName nameType="Personal">Ballester, Pascal</contributorName>
    </contributor>
  </contributors>
</relatedItem>
```

Schema v. 4.4

relatedItem

```
<relatedItem relationType="IsVersionOf" relatedItemType="JournalArticle">  
  <relatedItemIdentifier relatedIdentifierType="DOI">  
    10.3390/jmse9040398</relatedItemIdentifier>  
  <title xml:lang="en">Metrological Evaluation of Deep-Ocean Thermometers</title>  
  <publicationYear>2021</publicationYear>  
</relatedItem>
```

Schema v. 4.4

relatedItem

```
<relatedItem relationType="IsCitedBy" relatedItemType="ConferencePaper">
  <creators>
    <creator>
      <creatorName nameType="Personal">Mirakhorli, Fatameh</creatorName>
    </creator>
  </creators>
  <titles>
    <title xml:lang="fr">Initiative sur le soudage laser à haute productivité, un projet de
      collaboration multipartite par le groupe de recherche et développement
      industriel METALTec du CNRC</title>
  </titles>
  <publicationYear>2021</publicationYear>
  <publisher xml:lang="fr">Conseil national de recherches du Canada</publisher>
</relatedItem>
```

What's next?

- **Coming soon:** updated crosswalk between DataCite – Dublin Core
- Support for PIDs for instruments
- Support for PIDs for conferences
- Align Contributor roles with CRediT list
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<https://schema.datacite.org>

support@datacite.org

Q&A session

Feedback session - Mentimeter





For more information

schema.datacite.org

- documentation
- examples
- code
- feedback link

support.datacite.org

- HTML version



support@datacite.org