



Update on DataCite Metadata  
Schema v. 4.4.

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# METADATA WORKING GROUP



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# HOW WE WORK



## Release planning:

Working list and timeline

Subgroups for preparing big topics

Monthly group calls

Update documentation / XSD / examples

New release!

Requests & feedback



### Working List for Version 4.4

Gemaakt door Madeleine de Smaele, laatste wijziging op 11 jan 2021

#### Changes under Consideration

##### 1. Affiliation identifier – v. 4.3

Issue inherited from version 4.2 (4.2.18). At that time the decision has been made to wait for the outcome of the ORG ID WG.

##### 2. (Publication) dates in ancient history – v. 4.3

Our brand new member Rutgers University Libraries is issuing DOIs for Roman coins, for example <https://doi.org/10.7282/13610x8> Roman Republic – but actually in BC time. Our metadata schema does not support negative numbers as publication dates. Is there or would you consider allowing negative numbers? (See [Request and emails](#))

##### 3. Include schema.org vocabulary in documentation – v. 5.0

##### 4. Schema extensibility



### 4.4 Time estimate

Gemaakt door Madeleine de Smaele, laatste wijziging op 11 jan 2021

X	Item	Cat.	Time est. (portion of 1 hour)	Comments
	4.4.3 Include <a href="https://schema.org">schema.org</a> vocabulary in documentation <b>Postponed to v. 5.0</b>	1	0.5	Is this a crosswalk? Yes. How are the existing crosswalks maintained? Does this task include transforms? Web Service for transforms? Expose existing Ruby library ( <a href="https://github.com/datacite/bolognese">https://github.com/datacite/bolognese</a> ) in background? Collecting and evaluating existing resources as first step? No. DataCite services use bolognese internally, so we should align with the crosswalks built in there, suggest improvements (Martin).  Working page of the former subgroup is <a href="#">here</a> .  Includes DataCite to Dublin Core update.
	4.4.4 Schema extensibility	2	1	MAJOR topic. Issue inherited from version 4.2. Exclude crosswalks/mappings from this topic. Identification of

# 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”

# METADATA SCHEMA V. 4.4



Addition of new values to the resourceTypeGeneral property:

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

# METADATA SCHEMA V. 4.4



Addition of a new **relatedItem** property;

with subproperties to contain specific information about a resource related to the one being registered.

Can be used to provide a text citation where the related resource does not have an identifier, or to provide a structured way to add series information (volume, issue, page, etc.)

However, it is also optional to provide an identifier here.

- relatedItemType
- relationType
- relatedItemIdentifier
- relatedItemIdentifierType
- title
- volume
- issue
- number
- first page
- last page
- year
- edition
- creator
- contributor

# METADATA SCHEMA V. 4.4



Example: series information

In v. 4.3:

```
<descriptions>
```

```
  <description xml:lang="en" descriptionType="SeriesInformation">
```

```
    Geoscience Data Journal, Volume 3, Issue 2 November 2016 Pages 60–62
```

```
  </description>
```

```
</descriptions>
```

# METADATA SCHEMA V. 4.4



Example: series information

In v. 4.4:

```
<relatedItem relationType="IsPublishedIn" relatedItemType="Journal">
  <relatedItemIdentifier relatedIdentifierType="DOI">
    10.1016/j.physletb.2017.11.044</relatedItemIdentifier>
  <title>Physics letters / B</title>
  <volume>776</volume>
  <publicationYear>2018</publicationYear>
  <firstPage>249</firstPage>
  <lastPage>264</lastPage>
</relatedItem>
```



# WHAT'S NEXT?



Identify Major topics and Medium/minor topics for v. 5.0.

- Schema extensibility incl. separate schema's or profiles for specific resourceTypes
- Support for new property 'Distribution'
- Support for new identifiers as Conference ID and Grant ID
- Etc.

# FOR MORE INFORMATION



Official “home”: [schema.datacite.org](https://schema.datacite.org)

- documentation
- examples
- code
- feedback link

HTML version: [support.datacite.org](https://support.datacite.org)

Or contact: [support@datacite.org](mailto:support@datacite.org)