Metadata updates (for public comment) July 2024

This document contains some small proposed updates that will be included in a forthcoming metadata schema update. Other updates are planned and information will be available in the (hopefully) near future, but in the short term we want to make sure these changes are circulated for feedback prior to implementation.

Please leave feedback, ask questions, and make suggestions in this document, or if you prefer send feedback via email to feedback@crossref.org. We'll be considering feedback through Aug 15, 2024 .

Preprint updates

Several preprint-specific updates have been proposed in a separate document (Preprint metadata updates (for public comment)

Expanding contributor roles (includes CRediT)

Many are anxiously awaiting this update, realistically we won't get to it until the end of this year at the earliest but the proposed inputs and outputs are available for comment - not much has changed since this update was originally proposed in 2019 but comments are welcome: Expanding support for contributor roles

Typed citations

Individual citations can be submitted as a string of text (as an <unformatted_citation> or as a set of tags containing basic citation info. These tags support journals and books fairly well, but do not support other types of content, particularly data citations. We'll be expanding our support for tagged metadata in citations. This will include support for identifying a publication type for each citation. This means a data citation will clearly be a data citation, and a journal article will clearly be a journal article. A clear vocabulary does not currently exist so Crossref

will create one based on Crossref-supported record types and other common cited items, such as software.

Change: add a 'type' to the citation element that will use a Crossref-maintained list of citation types.

Proposed types:

- journal article
- book
- book chapter
- conference paper
- dataset
- dissertation
- patent
- poster
- preprint
- report
- software
- standard
- website

Metadata modeling

XML:
```
<citation type="data">
```
JSON:

```
"reference": [
{
  "key": "ref1",
  "type": "dataset",
  "article-title": "Aztreonam-induced filamentation in Pseudomonas aeruginosa"
}]
```

Statements

Although the bulk of our metadata consists of explicitly marked up metadata, we'd like to support several types of free-text statements in our metadata records as we've had feedback that they can be useful for downstream metadata users who are able to parse out and refine

chunks of text in ways that may be useful, the statements are also useful for re-use in some situations.

The types of statements we intend to support are:
● funding
● acknowledgement
● conflict of interest
● data availability
but are willing to consider other statements and will expand the supported statement types as needed.

As proposed, the statement metadata will be a very simple free text field.

Metadata additions / changes

element	attribute	value	input limits	what is it?
statement		free text	optional, repeatable	a text statement
	type	funding, acknowledgement, conflict_of_interest, data_availability	required	type of statement
	xml:lang	list (based on ISO 639)	required	language of statement

XML:

<statement type="funding" xml:lang="en">This is a funding statement</statement>

JSON:

```
"statement": [
    {
    "statement":"This is a funding statement"
    "type":"funding",
    "language":"en",
    }
    ]
```