

Strategic Integration of Article Content: Managing Supplemental Materials (part B)

STM Spring Meeting, April 28, 2011

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The NISO/NFAIS Supplemental Materials Technical Working Group Charge

The Technical Working Group (TWG) for the NISO-NFAIS Supplemental Materials Recommended Practices Group will address the technical issues related to materials that are supplemental to scholarly journal articles. These include

(1) Recommendations for metadata, persistent identifiers, and granularity of markup needed to support practices recommended by the Business Working Group (BWG)

Supplemental Material: Metadata

- what are the metadata elements needed to characterize the supplemental materials?
 - the article(s) which it is supplemental to
 - identifier(s)
 - the authors or creators (which might be different than the authors of the article)
 - whether the supplemental material is integral/additional/related (who makes that decision?)
 - description of the content – file format, keywords
 - language
 - location – on publisher site, in another repository
 - ... and much more

Supplemental Material: Metadata

- define metadata elements
- discuss relationship
- discuss hierarchy
- determine importance – required or optional
- keep related models in mind

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Supplemental Material: Metadata

- create a strawman DTD
- use the strawman DTD to markup real examples of supplemental materials
- refine the DTD based on real-world experience

Supplemental Material: Metadata

- what we found:
 - in the digital world, there may not be a substantive difference between supplemental material files and components within an article – the same formats and the same content could really appear in either place
 - is the designation as supplemental really a legacy from the print world?

Supplemental Material: Metadata

- what we found:
 - supplemental material files can be complex – a pdf file might contain a mixture of text, tables, graphics; a zip file could expand to many different files
 - what if some parts of the pdf or zip are integral and some are additional or related?

Supplemental Material: Metadata

- what we found:
 - supplemental material might have several different representations of the same component
 - for example, a chemical structure might be represented by a connection table, a picture of a molecule in a static orientation, an interactive application allowing manipulation by the viewer; each of these would have different preservation requirements

Supplemental Material: Metadata

- what we found:
 - supplemental material might be related to a specific part of an article
 - should we allow for the supplemental material to point to a component of the article instead of, or in addition to, the article as a whole?

Supplemental Material: Metadata

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... but we don't want to be prescriptive
- turn the DTD into text plus a table or spreadsheet to describe the best practices recommendations

Supplemental Material: Metadata

- sounds like a DTD or Schema...
... but we don't want to be prescriptive
- turn the DTD into text plus a table or spreadsheet to describe the best practices recommendations
- include the DTD as supplemental material

The Technical Working Group Charge

The Technical Working Group (TWG) for the NISO-NFAIS Supplemental Materials Recommended Practices Group will address the technical issues related to materials that are supplemental to scholarly journal articles. These include

(2) Recommendations to support linking mechanisms related to Supplemental Materials

The Technical Working Group Charge

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(3) Recommendations around archiving, preservation, and forward migration of various types of Supplemental Materials

The Technical Working Group Charge

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(4) Recommendations around packaging, exchange, and delivery of Supplemental Materials, taking into account variations in the location and hosting of those materials.

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(5) Recommendations around accessibility practices recommended by the BWG.

The Technical Working Group Charge

The TWG will work collaboratively with the BWG in an iterative process to create a cohesive set of Recommended Practices.

Who's involved on the TWG?

American Chemical Society

American Geophysical Union – Sasha Schwarzman, co-Chair

American Psychological Association

American Society for Clinical Investigation

Association for Computing Machinery

California Digital Library

CrossRef

Reed Elsevier

HighWire Press

Ithaka/JSTOR/Portico

MIT

Mulberry Technologies, Inc.

National Library of Medicine

thanks...

- questions – this has been a high level overview, but ...
 - are we missing something major?
 - what should we have considered that we haven't?
- contact: d_martinsen@acs.org

thanks...

- questions – this has been a high level overview, but ...
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- contact: d_martinsen@acs.org
- PS – if you want “time to think”, join a standards group