

# Much Ado about Data

Update on the NISO/NFAIS  
Supplemental Journal Materials  
Working Group

# Wearing my NISO and NFAIS hats



Business Working Group Co-Chairs:  
Linda Beebe, APA  
Marie McVeigh, Thomson Reuters

Technical Working Group Co-Chairs:

Alexander ( 'Sasha' ) Schwarzman, AGL  
David Martinsen, ACS



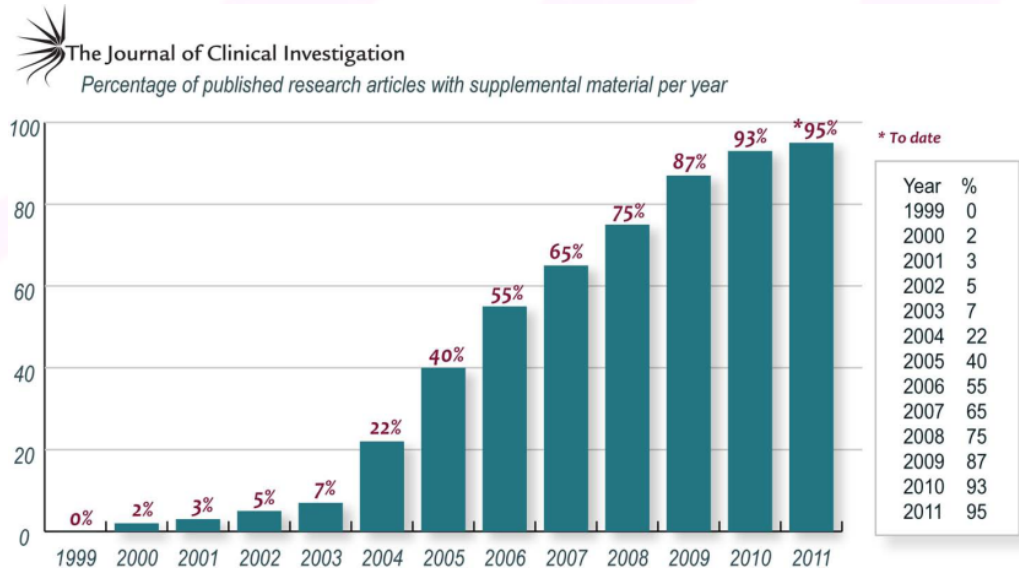
# The Problem of Supplemental Materials

Widely varying practices across  
journals:

- definitions
- peer review
- data dumping ground?

# The Problem of Supplemental Materials

## Increasing burden on editors and reviewers



# The Problem of Supplemental Materials

Authors, editors, reviewers and  
readers don't know what to expect

# Goals of the Working Group

Bring order to chaos

Preserve the record of science as embodied in the “article” ...

... while still encouraging  
innovation

# Goals of the Working Group

Bring order to chaos

Better discoverability

# Goals of the Working Group

Bring order to chaos

Better transportability



# Goals of the Working Group

Recommendations/Best Practices, NOT Standards

Applicable now, but also an eye to to the future

# Defining Terms

What are supplemental materials supplemental to?

What is an article?

Why is something classified as supplemental?

# Classifying Supplemental Materials

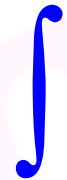
$\int$  - Integral

$+$  - Additional

$\emptyset$  - Other

---

# Defining the categories



- Integral

**Necessary for the general reader  
to understand the science**



- Additional

**Of interest to the specialist for  
deeper understanding**

# Some Questions

Who decides what is  $\int$  and what is  $+$ ?

Do supplemental materials always need to be stored at the publisher's site?

# Recommendations

## 1. It's All About the Metadata

Metadata to describe the supplemental materials and their relationship to the main article, and if necessary, to each other

# Recommendations

## 2. Bidirectional Linking:

Supplemental Materials should indicate the article they supplement, and visa versa

# Recommendations

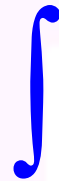
## 3. Persistent Identifiers:

Supplemental Materials should have persistent identifier(s) (DOI, e.g. CrossRef, Datacite, or some discipline specific identifier such as a PDB ID)



# Recommendations

## 4. Preservation:



- at same level as article

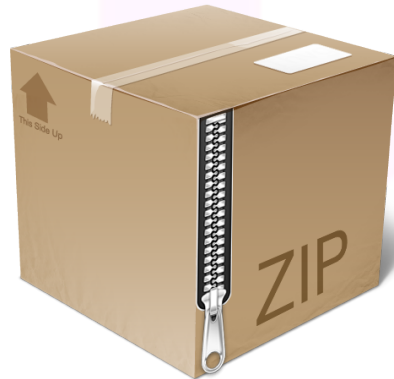


- best effort

- \*\* if using an “innovative” format, include a “primary” format for preservation purposes

# Recommendations

5. Packaging: When an article is delivered, the supplemental materials should also be packaged with the article



6. And more...



**Areas where  
Recommendations  
are NOT Being  
Made**

We are not recommending how to format or tag the supplemental material content

We are not trying to solve the problem of archiving primary research data

We are not creating a solution for programmatic access to data for data mining and discovery of new knowledge

# Photo of the Working Groups@Work



## Supplemental Journal Materials Technical Working Group Roster

Group Home Roster Calendar Documents Comments Ballots Action Items Email

Exports: [spreadsheet](#) | [vcard](#)  
 Reports: [meeting attendance](#) | [voting participation](#) | [eligible voters](#)

All Roles Active Members Find: Display Reset

Last, First	Company
<input checked="" type="checkbox"/> Martinsen, David	American Chemical Society (ACS)
<input checked="" type="checkbox"/> Schwarzman, Mr. Sasha	American Geophysical Union (AGU)
<input checked="" type="checkbox"/> Aalbersberg, Dsbrand Jan	Reed Elsevier
<input checked="" type="checkbox"/> Beauchamp, Ken	American Society for Clinical Investigation
<input checked="" type="checkbox"/> Beck, Jeffrey	National Library of Medicine (NLM)
<input checked="" type="checkbox"/> Koscher, Chuck	CrossRef
<input checked="" type="checkbox"/> Kunze, John	California Digital Library
<input checked="" type="checkbox"/> Kwan, Kathy	National Library of Medicine (NLM)
<input checked="" type="checkbox"/> Lapeyre, Ms. Debbie	Mulberry Technologies, Inc.
<input checked="" type="checkbox"/> Laue, Andrea	Andrea Laue Consulting
<input checked="" type="checkbox"/> Meyer, John	ITHAKA/JSTOR/Portico
<input checked="" type="checkbox"/> Murray, Nancy	ITHAKA/JSTOR/Portico
<input checked="" type="checkbox"/> Polans, Ira	IEEE
<input checked="" type="checkbox"/> Rodkin, Craig	Association for Computing Machinery
<input checked="" type="checkbox"/> Sheedy, Kathleen	American Psychological Association
<input checked="" type="checkbox"/> Stout, Amy	MIT
<input checked="" type="checkbox"/> Wollman, Keith	Reed Elsevier
<input checked="" type="checkbox"/> Beebe, Linda	American Psychological Association
<input checked="" type="checkbox"/> Bolkovac, Eva	Yale University Library
<input checked="" type="checkbox"/> Lawlor, Bonnie	National Federation of Advanced Information Services (NFAIS)
<input checked="" type="checkbox"/> McVeigh, Marie	Thomson Reuters
<input checked="" type="checkbox"/> O'Neill, Jill	National Federation of Advanced Information Services (NFAIS)
<input checked="" type="checkbox"/> Carpenter, Mr. Todd	National Information Standards Organization (NISO)
<input checked="" type="checkbox"/> Hodgson, Cynthia	National Information Standards Organization (NISO)
<input checked="" type="checkbox"/> Lagace, Ms. Nettie	National Information Standards Organization (NISO)

## Supplemental Journal Materials Business Working Group Roster

Group Home Roster Calendar Documents Comments Ballots Action Items Email

Exports: [spreadsheet](#) | [vcard](#)  
 Reports: [meeting attendance](#) | [voting participation](#) | [eligible voters](#)

All Roles Active Members Find: Display Reset

Last, First	Company
<input checked="" type="checkbox"/> Beebe, Linda	American Psychological Association
<input checked="" type="checkbox"/> McVeigh, Marie	Thomson Reuters
<input checked="" type="checkbox"/> Flanagan, Annette	Journal of the American Medical Association (JAMA)
<input checked="" type="checkbox"/> Gillikin, David	National Library of Medicine (NLM)
<input checked="" type="checkbox"/> Hu, Rachael	California Digital Library
<input checked="" type="checkbox"/> Kiesel, Bruce	Thomson Reuters
<input checked="" type="checkbox"/> Kirchhoff, Amy	ITHAKA/JSTOR/Portico
<input checked="" type="checkbox"/> Lawlor, Bonnie	National Federation of Advanced Information Services (NFAIS)
<input checked="" type="checkbox"/> Loudon, Alison	American Institute of Physics (AIP)
<input checked="" type="checkbox"/> Maier, Skip	American Psychological Association
<input checked="" type="checkbox"/> Smit, Eefke	International Association of STM Publishers
<input checked="" type="checkbox"/> Virkler, Scott	Reed Elsevier
<input checked="" type="checkbox"/> Kennison, Rebecca	Columbia University
<input checked="" type="checkbox"/> Martinsen, David	American Chemical Society (ACS)
<input checked="" type="checkbox"/> Schwarzman, Mr. Sasha	American Geophysical Union (AGU)
<input checked="" type="checkbox"/> Carpenter, Mr. Todd	National Information Standards Organization (NISO)
<input checked="" type="checkbox"/> Hodgson, Cynthia	National Information Standards Organization (NISO)
<input checked="" type="checkbox"/> Lagace, Ms. Nettie	National Information Standards Organization (NISO)
<input checked="" type="checkbox"/> O'Neill, Jill	National Federation of Advanced Information Services (NFAIS)

## Progress:

BWG has draft of recommendations for circulation to NISO/NFAIS Stakeholders

TWG working on recommendations for implementing recommendations from BWG (includes narrative, table, non-normative DTD, examples)

After comments from NISO/NFAIS, revisions and circulation for broader comment

NISO and NFAIS publish the recommendation



# Time's Up!

## About your speaker:

**Name: David Martinsen**

**Company: American Chemical Society**

**Tel: +1 202 452 2110**

**Email: [d\\_martinsen@acs.org](mailto:d_martinsen@acs.org)**

**Social Media: ♦ACS Network →**



**♦Linkedin**

**♦Facebook**

**♦Google+**



**(but I'm  
generally  
anti-social)**

