Industry Updates

eXtyles-Related Developments

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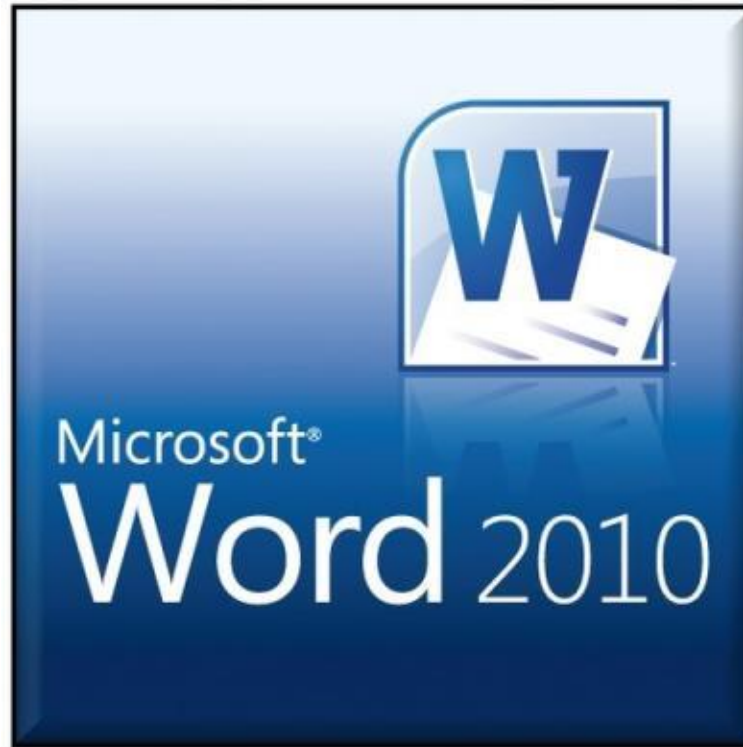eXtyles | edifix

Agenda

- Authoring Environments

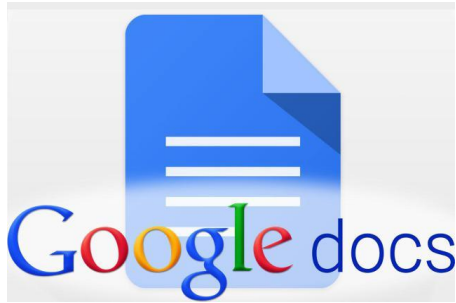- Standards Update

- QuickPoll

Authoring Tools, Circa 2010

Authoring Tools, 2016

Online Authoring Tools, 2016

#XUG2015

...And many other projects underway

Starting Point: DOCX

- DOCX
  - Not just Word file format
  - Rich interchange format
- Word is the most full-featured Editing and Pre-Production tool
- Word, via DOCX, is still the editorial/production starting point

Author vs. Editing Tools

- Authoring
  - Tools in use will diverge
  - Author deliver formats: DOCX or XHTML
  - Authors will still deliver "sloppy" files

- Editing/Production
  - Normalization of complex content required
  - Microsoft Word most comprehensive tool
  - DOCX will be interchange format between tools

Standards Update

- Unicode

- JATS

- BITS

- STS

- CREDIT

- Access and License Indicators

- PIE-J

Unicode 8

- Released 17 June 2015
  - New annual, fixed-date release schedule
  - 7,716 new characters
  - 120,672 total characters
- http://blog.unicode.org/2015/08/unicode-version-80-complete-text-of.html

Unicode 8 Example

- City limit sign: Latin and Old Hungarian

http://babelstone.blogspot.com/2015/04/whats-new-in-unicode-80.html

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JATS 1.1

- Version 1.1d3 released 29 Dec 2014
- Version 1.1 vote passed 19 October 2015
- Highlights of new elements since 1.1d1:
  - <institution-id>, <institution-wrap>
  - <era>
  - <code>
  - ORCID authentication attribute
  - ALI

JATS4R

- http://jats4r.org/

- JATS for Reuse (JATS4R): to provide guidelines and tools to standardize the use of the NISO standard Journal and Archiving Tag Set (JATS) for tagging XML in publishing workflows.

- Tagging recommendations

- Validator

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BITS

- Version 1.0 released 11 Dec 2013
- Stable, but 2.0 coming in 2016
- BITS 2.0 backwards compatible *except* Question and Answer model
- Growing adoption
- Send feedback to the **BITS** list
  - http://www.mulberrytech.com/BITS/BITS-Feedback.html

ISO STS

- Standard Tag Suite

- Developed for ISO/CEN workflow needs

- Adopted by National Standards Bodies

- http://www.iso.org/schema/isosts/

  – DTD

  – Documentation

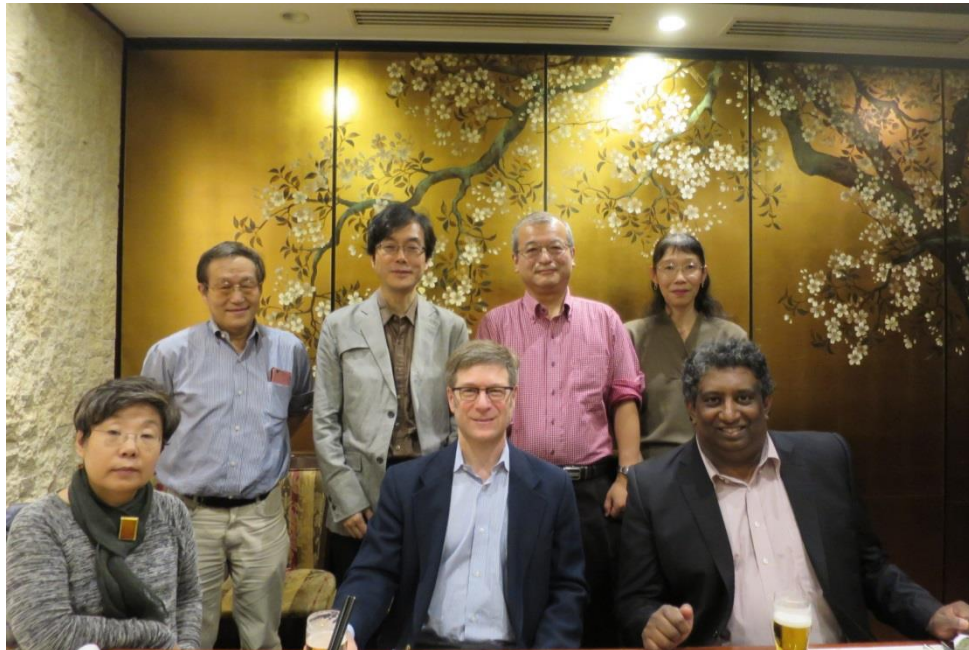 – Schematron

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NISO STS

- SDO realization
  - Need: "standard for standards"
  - Facilitate: production, distribution, sharing
  - Can: improve products, lower costs
- NISO Project
  - Proposed and funded: ASME, ASTM
  - Steering & technical groups (~45 members)
  - Timeline: 12 – 15 months (?)

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JATS-Con

- Annual JATS Conference

- Annual JATS/BITS Conference

- Annual JATS/BITS/STS Conference

- April 12/13, 2016, Bethesda, MD

- Full archives
  - Papers, presentations, video
  - http://jats.nlm.nih.gov/jats-con/previous.html

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JATS-Con Asia

- Tokyo, Japan; 19 October 2015

CRediT

- CRediT (Contributor Roles Taxonomy)
- The Wellcome Trust and Digital Science
- Facilitated by CASRAI and NISO
- http://casrai.org/CRediT
- Early adopters: Cell Press; Aries Systems

CRediT Markup Example

- Possible markup
  - Suggested to JATS-List by Evan Owens
  - Note: not yet endorsed by JATS working group

```
<contrib>
<name name-style="western"><surname>Smith</surname>
<given-names>John</given-names></name>
<role content-type="CRediT Taxonomy">Data Curation</role>
</contrib>
```

Access and License Indicators

- NISO Recommended Practice RP-22-2015: *Access and License Indicators*

- Standardizes bibliographic metadata to describe license and access details of journal articles in human- and machine-readable forms

- ALI provides information on whether a specific article is freely readable and what re-use rights might be available to readers

- http://www.niso.org/workrooms/ali

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ALI In JATS 1.1

- <ali:free_to_read>
  - EMPTY element; presence indicates that the article is free to be read. Start and end dates may be present as attributes.
  - Child of <permissions>
  - <ali:free_to_read> will be optional and repeatable
- <ali:license_ref>
  - Intended as a pointer to a public license or waiver, this element
  - May take content or be empty. The start date may be present as an attribute.
  - This element will be a child of <license>, as a peer with <license-p>.
  - This element will be optional and repeatable.
- Result: JATS recommends moving the URL for the license from the @xlink:href attribute of <license> to a child of <license>. However @xlink:href remains users who choose not to use ALI

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NISO PIE-J

- Presentation and Identification of E-Journals (PIE-J)

- Recommended Practice to provide guidance on the presentation of e-journals, particularly in the areas of title presentation, accurate use of ISSN, and citation practices

- http://www.niso.org/workrooms/piej

PIE-J Example

Clear title presentation, full imprint, and other basic information available one click off of journal homepage (hotlink on homepage indicates: "Full Imprint Information")

CHORUS

- Implementer's Guide Available
- http://www.chorusaccess.org/wp-content/uploads/CHORUS-Publisher-Implementation-Guide-v2-0-081715.pdf

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Industry Update QuickPoll (1)

- Who is (still) using
  - Word 2003, 2007?
  - NLM DTD 2.3 or earlier
    - Not on Highwire?
  - NLM Book

Industry Update QuickPoll (2)

- In 2016, will your organization adopt?
  - JATS 1.0 or 1.1
  - BITS
  - ORCID
  - FundRef
  - CRediT
  - Windows 8.1, Windows 10
  - Office 2013, Office 2016

Thank You!

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