

#XUG2014

# Industry Updates

## eXtypes-Related Developments

# Agenda

- 2014 Buzzwords
- Standards Update
- QuickPoll

# 2014 Buzzwords

- Mobile Computing
- Open Access
- Data Citations
- Big Data
- Text and Data Mining
- Data Quality

# Clinician Mobile Computing (1)

- Tablets are more main stream than 1 year ago
- 70% have tablet; 80% have smart phone; 99% have desktop/laptop PC
- Majority have 3 or more devices
- Use each device in distinct ways

Source: Cathy Wolfe, President & CEO, Medical Research, Wolters Kluwer, STM Frankfurt 2014

## Clinician Mobile Computing (2)

- Half of clinician time is on smart phone/tablet vs. PC (total of 3 hours per day on some computing devices)
- Journals are still top primary new info source
- Online is now used more than print (< 12 mo)
- Video massively increases user engagement

Source: Cathy Wolfe, President & CEO, Medical Research, Wolters Kluwer, STM Frankfurt 2014

# Open Access

- STM Frankfurt 2014
  - Rick Anderson, University of Utah Library
  - Is a Rational Discussion of Open Access Possible?
  - [http://www.stm-assoc.org/2014\\_10\\_07\\_Frankfurt\\_Conference\\_Anderson\\_Is\\_a\\_rational\\_discussion\\_of\\_open\\_access\\_possible.pdf](http://www.stm-assoc.org/2014_10_07_Frankfurt_Conference_Anderson_Is_a_rational_discussion_of_open_access_possible.pdf)
- Journal flipping

# Data Citations

- Accessible data
- PLoS requirement for publication
- Credit for data publication through citation
- CrossRef and DataCite collaboration
  - <http://www.crossref.org/01company/pr/news111014.html>
- New citation elements in JATS 1.1d2

# Big Data

- Analysis of large data sets
- Search for trends or distributions
  - Locations across a set of geological articles
  - Reactions to drugs across corpus of patient data



# Poor Man's Big Data

The Google logo is displayed in its standard multi-colored font.

why is the uk so  
why is the uk so **cloudy**  
why is the uk so **expensive**  
why is the uk so **small**  
why is the uk so **awesome**  
why is the uk so **powerful**  
why is the uk so **depressing**  
why is the uk so **rich**  
why is the uk so **windy**  
why is the uk so **cold**  
why is the uk so **densely popul**

Google Se

The Google logo is displayed in its standard multi-colored font.

why is japan so |  
why is japan so **clean**  
why is japan so **advanced**  
why is japan so **rich**  
why is japan so **awesome**  
why is japan so **cool**  
why is japan so **weird**  
why is japan so **safe**  
why is japan so **messed up**  
why is japan so **crazy**  
why is japan so **different**

Google Search

I'm Feeling Lucky

The INERA logo is displayed in white text on a dark blue background.

# Poor Man's Big Data by Location



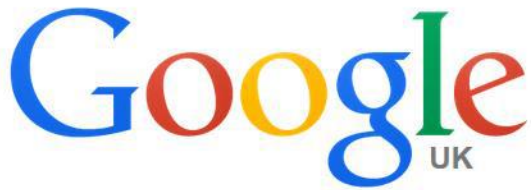
why is new zealand so

why is new zealand so **good at rugby**

why is new zealand so **expensive**

why is new zealand so **racist**

why is new zealand so **crap**



why is new zealand so

why is new zealand so **called**

why is new zealand so **good at rugby**

why is new zealand so **expensive**

why is new zealand so **boring**



why is new zealand so

why is new zealand so **expensive**

why is new zealand so **good at rugby**

why is new zealand so **beautiful**

why is new zealand so **free**

# Text and Data Mining (TDM)

- Looking for information in a big data set
- Needed by researchers
  - Full text access
  - Permissions
- Elsevier has special license for TDM
- License data in XML is critical for mining

- OCLC E-Data Quality Working Group Report
  - <http://www.oclc.org/content/dam/oclc/reports/data-quality/215233-SuccessStrategies.pdf>
- NFAIS/CENDI Meeting
  - Data Infrastructure: The Importance of Quality and Integrity
  - Thursday, November 20, 2014, Alexandria, VA
  - [http://www.nfais.org/index.php?option=com\\_mc&view=mc&mcid=72&eventId=445131&orgId=nfais](http://www.nfais.org/index.php?option=com_mc&view=mc&mcid=72&eventId=445131&orgId=nfais)

# Standards Update

- JATS
- BITS
- Access and License Indicators
- Protocol for Exchanging Serial Content
- ISBN-A

# JATS 1.1d1

- Version 1.1d1 released 9 Dec 2013
- New elements:
  - Institution-wrap and institution-id
    - Important for FundRef to tag DOIs
  - fixed-case
    - `<fixed-case>eBook</fixed-case>`
- MathML3

# JATS 1.1d2

- Version 1.1d2 imminent release
  - Mostly minor adjustments
  - Small change in Ruby markup
  - Drafts are not guaranteed to be backwards compatible
  - Full point release standards will be backwards compatible

# BITS

- Version 1.0 released 11 Dec 2013
- Not a NISO standard (yet)
- Not backwards compatible with BITS 0.2, NLM Book 3.0
- Send feedback to ~~the JATS list~~
  - <http://www.mulberrytech.com/BITS/BITS-Feedback.html>



# JATS-Con

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- Annual JATS/BITS Conference
- April 21 & 22, 2015, Bethesda, MD
- Call for papers (<http://jats.nlm.nih.gov/jats-con/callforparticipation.html>)
- Full archives
  - Papers, presentations, video
  - <http://jats.nlm.nih.gov/jats-con/previous.html>

# Access and License Indicators

- Formerly “NISO Open Access Metadata & Indicators”
- Reviewing comments
- Likely: New elements in JATS namespace
- <http://www.niso.org/workrooms/ali/>

# Protocol for Exchanging Serial Content

- JATS: focused on item content
- Didn't create delivery wrapper
- PESC addresses wrapper for XML, images, etc.
- [http://www.niso.org/apps/group\\_public/download.php/13983/rp-23-201x\\_PESC\\_draft\\_for\\_comment.pdf](http://www.niso.org/apps/group_public/download.php/13983/rp-23-201x_PESC_draft_for_comment.pdf)

# ISBN-A (“Actionable”)

- Joint effort
  - Book Industry Study Group (BISG)
  - International ISBN Agency
  - International DOI Foundation (IDF)
- ISBN-A: DOI name derived from existing ISBN
- <http://www.doi.org/factsheets/ISBN-A.html>

# Industry Update QuickPoll (1)

- Who is (still) using
  - Windows XP
  - Word 2003
  - NLM DTD 2.3 or earlier
    - Not on Highwire?

# Industry Update QuickPoll (2)

- In 2014, will your organization adopt?
  - JATS 1.0 or 1.1d
  - BITS
  - ORCID
  - FundRef
  - CrossMark
  - Windows 8
  - Office 2013

# Sheraton Rooms

- How many people wanted to stay at the Sheraton last night but couldn't get a room?
- How many people wanted to stay at the Sheraton tonight but couldn't get a room?

# Why We Still Need Editors

Although association preferences documented in our study theoretically could be a consequence of either mating or shoaling preferences in the different female groups investigated (should we cite the crappy Gabor paper here?), shoaling preferences are unlikely drivers of the documented patterns both because of evidence from previous research and inconsistencies with *a priori* predictions. Our methods closely followed those of published mate choice experiments in this system (Tobler et al. 2009a,b; Plath et al. 2013),

Source:

[http://www.slate.com/blogs/future\\_tense/2014/11/11/crappy\\_gabor\\_paper\\_overly\\_honest\\_citation\\_slips\\_into\\_peer\\_reviewed\\_journal.html?wpsrc=sh\\_all\\_mob\\_tw\\_top](http://www.slate.com/blogs/future_tense/2014/11/11/crappy_gabor_paper_overly_honest_citation_slips_into_peer_reviewed_journal.html?wpsrc=sh_all_mob_tw_top)



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# Thank You!

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