Library Focussed Standards
The standards jungle….

Galvez (2014)

Pinfield (2015)

...and the benefits

UNIVERSITY OF BIRMINGHAM
Standards supporting collections
How it all fits together

Authority control
(standardized author name: J. R. R. Tolkien)

Structure
(ISBD, XML)

Format
(MARC, Dublin Core)

Encoding
(MARC, XML)

Model
(FRBR, trad. model)

Code
(rules: AACR2, RDA)

Subject headings
(LCSH, Sears, AAT)

Classification
(shelving: LC, Dewey)

Record
(representation of bibliographic information)

Record is displayed in an OPAC, online database, etc.

Hoffman (2014)
MARC Records for eBooks

- Importance of bulk import
- Trusting 3rd party records
- Keeping up to date
- Scaling up
Problems with externally sourced records

008 Fixed data field (006 and 007 are also fixed data fields and problematic too)

- (RLUK required data element in red, missing ||| relates to publishing country)
- File of c.8000 records, every 008 field identical apart from date. Below minimum standards. (Bars are “no attempt to code”)
- =008 150108s2014||| |||\\\\\s||| ||| ||| ||| ||| ||| ||| ||| eng|d
- =008 150108s2013||| |||\\\\\s||| ||| ||| ||| ||| ||| ||| eng|d
- Sample good field: =008 970529s1988||| |||vraac|||sbi|||001|0 eng|c (shows book was published in Virginia, contains illus., is electronic, has a bibliography and index, isn’t a conference publication or a festschrift or a government publication or fiction, is in English and is produced by a cooperative cataloguing programme)
Other problems

☐ Print ISBNs on e-book records
☐ Missing / incorrect title information
☐ Statement of responsibility incorrect
☐ Summary field truncated inappropriately
☐ CiP records
Other library focussed standards
Linking and holdings information (1)

OpenURL
http://www.oclc.org/research/activities/openurl.html
Standard for context sensitive web linking from source to target used by link resolvers

KBart
http://www.niso.org/workrooms/kbart
Code of practice for e-holdings in link resolver knowledge bases
Linking and holdings information (2)

Transfer

www.niso.org/workrooms/transfer

Code of practice for journal transfers which aims to ensure access is maintained for existing subscribers
Discovery indexes

http://www.niso.org/workrooms/odi/

COP for data exchange between content providers and discovery service vendors
Transactions and usage

COUNTER

COP heavily relied on by the library community for usage data on journals, ebooks and databases

EDIFACT  http://www.editeur.org/9/E-Commerce/
One of a range of e-commerce standards that are applied to library book and journal supply
Supporting the student

- APIs between VLE and library systems
- Module $\rightarrow$ Reading List $\rightarrow$ Content
- Problems with module codes, student numbers, hierarchy
Supporting research

- Current duplication in the research publication process
- Use of identifiers such as DOI, ORCID, FunderID, ISNI throughout the research lifecycle – ‘metadata round trip’
- Common data requirements
  - Jisc APC tool
Managing with data

Re-use of data and machine to machine…
…allows us all to spend time doing more interesting things with the data…
….rather than just managing data.
Standards are enablers in this….  
…but by becoming too burdensome impacts on our flexibility to innovate
Concluding thoughts

- The importance of ‘community’
- The ‘free rider’ problem
- Understanding the benefits (collectively and individually)
- Responsible standards development
Galvez, T. (2014) *Hundreds of books from the @acsabudhabi library free for the taking before being recycled.* Available at: https://www.flickr.com/photos/69031678@N00/14395792952 (Accessed: 28 October 2015)


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