Cataloging Continuing Resources in a Changing Landscape

Regina Romano Reynolds
ALCTS Webinar
March 18, 2015

Hosted by ALCTS, Association for Library Collections and Technical Services
We’ll cover...

- New types of CRs
- What is changing with ISSN
- BIBFRAME
- RDA, FRBR and Continuing Resources
- PRESSoo
- Linked data possibilities
- ISSN ROAD: RDF output Schema.org coding
An Evolving Landscape...

More questions than answers

Photo Credit: lucyndskywmdmnds
The Changing World of Continuing Resources

DataDryad.org is a curated general-purpose data repository that makes the data underlying scientific studies discoverable, freely reusable, and easier to interpret. It facilitates a greater integrated data submission for a greater global research impact.

Welcome to Elsevier

PLOS Blogs

ScienceDirect

Reynolds
Will social media become part of the scholarly record?
Directory of Open Access Journals (DOAJ)

DOAJ is an online directory that indexes and provides access to quality open access, peer-reviewed journals.

There is a new process to have journals indexed in the DOAJ. All journals must apply using our new Application Form. Due to the extensive and detailed information we require, only a journal's publisher should complete the form.

Latest News

**DOAJ is raising the quality bar for open access: SPARC blog post**

DOAJ's managing director, Lars Bjørnshauge, has been interviewed by SPARC about DOAJ's enhanced application form and raising the quality bar in open access publishing. The post, published today, highlights how effectively the new form is providing a much-needed filter against questionable, unethical and non-transparent publishing practices. Combined with OASPA's efforts, the form is an important […] Read More...

*Thu, 05 Mar 2015 at 14:57*

**Greater visibility to APCs: amount, currency, URL**

There has been a lot of focus in research on author processing charges (APCs) and submission charges, particularly in the last 16 months or so and DOAJ data is often used as a basis of that research. Heather Morrison’s recent article in Publications and Walt Crawford’s research published in Cites and Insights are two very […] Read More...

*Tue, 10 Feb 2015 at 08:12*
Another Predatory Publisher Accepts a Computer-Generated Paper

Robots No Longer Considered Harmful

I.P. Freely, Oliver Clothesoff, Jacques Strap, Hugh Jazz & Amanda Huginkiss

Abstract

Wearable information and the transistor have garnered limited interest from both biologists and experts in the last several years. In this paper, we argue the refinement of expert systems, which embodies the extensive principles of software engineering. In our research, we discover how the World Wide Web can be applied to the study of the lookup buffer. Our purpose here is to set the record straight.

Interesting author names.

The predatory journal named *Journal of Computer Science and Information Technology* has accepted a bogus, computer-generated paper entitled "Robots No Longer Considered Harmful." The paper's "authors" are listed as I.P. Freely, Oliver Clothesoff, Jacques Strap, Hugh Jazz and Amanda Huginkiss.

The journal’s publisher, the so-called *American Research Institute for Policy Development*, lists the journal’s editor-in-chief as Dr. Pauline Ratnasingam from the University of Central Missouri.

About the Author

Jeffrey Beall

I work as a librarian at Auraria Library, University of Colorado Denver, in Denver, Colorado.

An academic librarian for over 24 years, I have published extensively in the areas of metadata, full-text searching, and information retrieval.

My interest in scholarly open-access publishing began in 2009 when I reviewed the publisher *Bentham Open* in *The Charleston Advisor*, a journal that reviews electronic resources.

Previously, I served on the editorial board of *Cataloging & Classification Quarterly*, an experience that, in addition to my own research and writing, helped me learn a lot about scholarly communication. My service on this editorial board ended in December, 2012.

A full list of my publications is available on my website. In 2012 I was
New ISSN Policies

- ISSN web site statement: ISSN’s role is identification
- ISSN does not guarantee quality of validity of content
- No prepublication ISSN are issued
- Place and publisher must be stated on the resource
- Denial or revocation of ISSN for misleading information
New Edition: ISSN Manual

- Clarified ISSN scope
- New optional elements
- Instructions about when one ISSN can cover more than one format
- Table of elements needing update
- International Standard Name Identifier
- VIAF is the base file for the ISNI
- ISSN records may include ISNI as an optional element in 7XX fields

710 2# $a British Israel World Federation $0 (ISNI) 0000 0001 2325 1767
New Approaches to ISSN Record Creation
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<th>rda</th>
<th>DLC</th>
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<th>Dewey</th>
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<th>Meeting name</th>
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<td>J. technol (Print)</td>
<td>Journal of technologies and human usability.</td>
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</table>
SAIISA: ISSN assigned to 30,000 Italian serial publications

The SAIISA project was launched at the beginning of 2013. It involves semi-automatically assigning an ISSN to nearly 30,000 serial publications, of which approximately 10,000 are “dead” publications.

SAIISA is led by 3 entities:

- the ISSN International Centre,
- the Italian ISSN National Centre (hosted by the Italian National Research Council), and
- the Italian union catalogue of serial publications (ACNP), located at the University of Bologna.

The vast majority of the publications concerned are Italian.

The operation relies on reusing the existing bibliographic records taken from the ACNP catalogue, the records are verified, completed and automatically associated with an ISSN number.

SAIISA will make it possible to considerably increase the visibility of Italian serial publications in the ISSN International Register.

The project should be completed in 2015.
schema.org tagging
+
RDF output
DOWNLOAD ROAD RECORDS

The ROAD records can be re-used under the Creative Commons Attribution-NonCommercial 4.0 International Public License.

Two dumps are available: one dump in MARC XML, the other in RDF. The RDF dump is based on the PRESSoo model developed by the ISSN International Centre and the French National Library (Bibliothèque nationale de France, BnF). Comments about this RDF dump, which is provided in an experimental way, are welcome and can be sent at road@issn.org. More information about PRESSoo can be found on the website of the ISSN International Centre: http://www.issn.org/the-centre-and-the-network/our-partners-and... and on the website of the BnF: http://www.bnf.fr/fr/professionnels/modelisation_ontolo... [in French].

For downloading the dumps, please fill in the form below. Once the form has been validated, you will be directed to a download page.

First name

Last name

Organization name

Email

Country

- Select -
Example of RDF output

  - `<road:publicationStatus rdf:resource="http://marc21rdf.info/terms/alltyp#c">`
    - `<frbroo:R23i_was_realised_through>`
        - `<cidoc:P116i_is_started_by>`
            - `<cidoc:P82_at_some_time_within>2013</cidoc:P82_at_some_time_within>`
          - `<cidoc:P116i_is_started_by>`
        - `<cidoc:P9_consists_of>`
            - `<road:publisher>`
              - `<cidoc:E39_Actor rdf:about="http://road.issn.org/Actor/Star_Carrier_Academy">`
                `<rdfs:label>Star Carrier Academy</rdfs:label>`
              - `<cidoc:P74_has_current_or_former_residence>`
                - `<cidoc:E53Place rdf:about="http://road.issn.org/Place/Jalpaiguri">`
                  `<rdfs:label>Jalpaiguri</rdfs:label>`
        - `<cidoc:P9_consists_of>`
      - `<frbroo:F30_Publication_Event>`
  - `<frbroo:R23i_was_realised_through>`
    - `<pressoo:Y42has_current_area_of_publication rdf:resource="http://issn.org/referentiels/country/IND">`
      - `<pressoo:Z12_Issuing_Rule rdf:about="http://road.issn.org/issn/2348-7658#formerOrCurrentIssuingRule">`
        - `<road:physicalMedium rdf:resource="http://marc21rdf.info/terms/continuingor#cr">`
            - `<road:titleProper>`
              - `<cidoc:E35_Title rdf:about="http://road.issn.org/issn/2348-7658#titleProper">`
                `<rdf:value>Journal of pharmaceutical, chemical and biological sciences.</rdf:value>`
              - `<road:titleProper>`
    - `<pressoo:Z12_Issuing_Rule>`
  - `<pressoo:Y37_has_former_or_current_issuing_rule>`
International journal of healthcare sciences.
RDA Challenges
What is a Serial Work?

- A collection
- An aggregate work?
- A segmented snake
- A work only when it’s dead?
- A family?
- A super-work of works?
- A metaphysical concept only??
Other RDA issues

- Major/minor changes
- Relationships and WEMI levels
- Granularity of records for various media
ISSN JSC proposals

- Addition to rules for major/minor changes to take into account languages that do not break text into words
  - Adopted

- Rule change so new descriptions are not needed when online resources change from serial to integrating and vice versa
  - Adopted in principle; wording to be determined
More than a new format--
a new bibliographic environment

BIBFRAME

MARC 21
Why BIBFRAME?

- A new way to represent and exchange bibliographic data,
- Replacement for MARC but also with a scope much broader than replacing MARC
- Aims to:
  - accommodate different content models and cataloging rules
  - explore new methods of data entry
  - evaluate current exchange protocols
Most importantly… not just on the Web but “of the Web”

Eric Miller
BIBFRAME is designed for a linked data environment

- Uses RDF triples, the language of linked data
- Data is not bounded by records; data elements can be linked independently of records, even “on the fly”
- Expresses relationships well—serials!
- Library data will be able to interact on the open web
Figure 1: A graphical representation of the BIBFRAME Linked Data model defining the relation between Work and Instance resources and their contextualization to Web addressable Authority resources.
An “ISSN profile” could be envisioned for ISSN national centers that would use BIBFRAME
BIBFRAME activities
(www.loc.gov/bibframe)

- BIBFRAME Editor
- Draft specifications
- BIBFRAME Profiles
- Testbed Implementation Register
- LC Pilot
- BIBFRAME vocabulary
BIBFRAME Editor

Get the code here. In the meantime, select a Profile below to get started.

BIBFRAME - Kitchen Sink Profiles
- New HeldItem
- New Instance
- New Work

BIBFRAME - Simple Monograph
- New Holding
- New Instance
- New Work
- New monograph (New Work, Instance, and Holding)

Work
- Authorized access point
- Simple label
- Work title
- Any title
- Title variation
- Associated agent
- Creator role
- Contributor role
- Signatory to a treaty

Set

http://bibframe.org/tools/editor
Instance/Manifestation - Monograph

Local identifier

Lookup

Instance of

Authorized access point

Title

Transcribed title

Abbreviated title

Edition statement

Edition responsibility

Media type

Carrier
Colorado College “Prospector App”

Featured Items

Prospector News

- Current Statistics for Redis Datastore
  
  Totals: Article = None
  Book = 36953
  Dissertation = 88
  Manuscript = 530
  Map = 355
  MixedMaterial = 18
  MovingImage = 528
  NotatedMusic = 414
  MusicalAudio = 583
  NonmusicalAudio = 268
  Serial = 27
  SoftwareOrMultimedia = 37079
  Total number of keys=993112

Interesting Facts About Prospector

- Prospector includes books, DVDs and CDs!
- We have incorporated facets for limiting results, book jackets and other design elements
- If you prefer our classic interface it is still available
- Prospector has over 11 million unique titles and 30 million copies

Prospector Library Holdings
BIBFRAME and Serials

- More work ahead
- Can serials be treated as a form of aggregate work?
- Can serials be treated as collections?
- How to handle serial title changes
- How to handle other serial relationships?
BIBFRAME and ISSN

- ISSN identifies serial instances
- Does ISSN-L identify BIBFRAME works?
- How can serials be linked at various relationship levels?
- The FRBR model does not work well for serials
- Can PRESSoo help? Discussions with LC have been held and should continue
“An ontology which aims to capture and represent the underlying semantics of bibliographic information about continuing resources...”
PRESS\textsubscript{00}

Extension of CIDOC CRM and FRBR\textsubscript{00} for the modelling of bibliographic information pertaining to periodicals

Version 0.1
March 2013

Editor: Patrick Le Boeuf (BnF)

Contributors: Philippe Cantié (BnF/Centre ISSN France), Pierre-Louis Drouhin (BnF), Pierre Godefroy (ISSN International Centre), Patrick Le Boeuf (BnF), Françoise Leresche (BnF), François-Xavier Pelegrin (ISSN International Centre)
Figure 1. A continuing resource that is still being published
PRESSoo has modeled all serial relationships in the ISSN Manual.
IV: How PRESSoo models the FRBR Wall Street Journal example
ISSN and Linked Data

Author Registries

Who subscribes

Former and later titles

Where archived?

Cost information

Journals

Cost information

Former and later titles

Who subscribes

Author Registries

Where archived?
The single most important part of the Linked Data approach is the adoption of web-scale identifiers (URIs) to identify things of interest…

*Linked Data Pattern Book*, Dodds and Davis
National Libraries and Identifiers

National libraries should create, publish, maintain, preserve identifiers (URIs) for national cultural resources...

Gordon Dunsire
Future possibilities: I ♡ SN and linked data
Article has citation including ISSN

ISSN Portal

Related indexes, Databases

New articles

Related Subjects
CrossRef

*Serials Review*
ISSN 0098-7913

“ISSN for serials available on e-book Readers” by Regina Romano Reynolds and Esther Simpson Beauchamp

Artists’s Web Page
URL
Regina Romano Reynolds

ISNI Database
Regina Romano Reynolds
Whither Continuing Resources Cataloging?
● Stand-alone elements
● Batch and “semi-automated” processes
● Library enhancement of publisher-supplied metadata
● Streamlined bibliographic descriptions can become authority records for works
● Linked data will enrich and connect library-supplied metadata
Nothing goes away until it has taught us what we need to know.

Pema Chodron
Thank you!

rrey@loc.gov

Hosted by ALCTS, Association for Library Collections and Technical Services