Where have all the models gone?
And where does that leave ISSN??

Regina Romano Reynolds
ALA Midwinter 2019
CRCC Forum
In the beginning...

There were no models...
Continuing Resources Model
developed early 2000’s
AACR2, ISBD(CR), ISSN

Bibliographic Resources

Finite

Complete
Monographs

Successively-issued
Multipart
Supplemented monographs

Incomplete

Continuing

Successively-issued
Revised e-texts
Some Loose-leafs
Some Databases
Some Web sites

Integrating
Serials
(including Series and E-journals)
Updating loose-leafs
Updating databases
Updating Web sites

Integrating

This Model is Still in Use for ISSN

- ISSN encompasses all continuing resources
- Includes both successive (serials, series) and integrating
- Intended to communicate the different approach catalogers take to resources that will continue over time
- ISSN’s clear boundary is resources with no predetermined conclusion; publishers understand this
- Disputed as RDA was developed:
  - JSC saw no difference between finite and ongoing resources
  - Considered all integrating resources to be the same
Continuing Resources Model
ca. 2000: ACR2, ISBD(CR), ISSN

Bibliographic Resources

Finite

Complete
- Monographs

Successively-issued
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Continuing

Successively-issued
- Serials (including Series and E-journals)

Integrating
- Updating loose-leafs
- Updating databases
- Updating Web sites
FRBR Model (Group 1 Entities)

- **Work**: A distinct intellectual or artistic creation
- **Expression**: The intellectual or artistic realization of a work
  - Is realized through
- **Manifestation**: The physical embodiment of an expression of a work
  - Is embodied in
- **Item**: A single exemplar of a manifestation
  - Is exemplified by
FRBR (1997)

1.3 Areas for Further Study

Certain aspects of the model merit more detailed examination... In particular, the notion of “seriality” and the dynamic nature of entities recorded in digital formats merit further analysis.
To the Lighthouse!
To the Lighthouse: a general view

Le Phare de la Loire
Nantes, 1844-1944

Petit Lorientais (Lorient. 1887)
Lorient, 187-1888

continued by

Le Petit phare (Éd. Du Morbihan)

other edition entry (language edition)

other edition entry (geographic edition)

Le Petit phare (Evening ed.)
Nantes, 1912-1918

Le Petit phare (English ed.)
Nantes, 1914

Presentation of the PRESSoo model - 24th April 2013
Serials are never a good fit!
Definition of PRESS\textsubscript{00}

A conceptual model for Bibliographic Information Pertaining to Serials and Other Continuing Resources

Prepared by the PRESS\textsubscript{00} Review Group (affiliated to the IFLA Cataloguing Section):
Chair: Clément Oury (ISSN International Centre)
Members: Vincent Boulet (BnF), Gordon Dunsire (RDA Steering Committee), Louise Howlett (BL/ISSN UK), Patrick Le Boeuf (BnF), Regina Reynolds (LC/ISSN US)

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Philippe Canté (BnF/ISSN France), Pierre-Louis Drouhin (BnF), Pierre Godefroy (ISSN International Centre), Patrick Le Boeuf (BnF), Françoise Leresche (BnF), François-Xavier Pelegrin (ISSN International Centre)

Approved by CIDOC CRM-SIG (Special Interest Group for the Conceptual Reference Model of Comité international pour la Documentation, affiliated to the International Council of Museums or ICOM)

Version 1.3
August 2016

Endorsed by the IFLA Professional Committee, March 2017.
Continuing resources present modelling challenges, especially as FRBR (ER) did not fit well with their specific nature.

...the hierarchical aspect of the Work/Expression/Manifestation relationships, in FRBR(ER) conflicts with the dynamic character of continuing resources.

E.g., an “expression” of a specific serial work (a variant linguistic edition of a newspaper) may suddenly become a new “work” if it starts publishing content that is not available in the edition in the original language.

The same entity being successively an expression and a work is not conceivable in FRBR (ER); but it frequently happens to be true for continuing resources.
FRBR Model Group 1

- **Work**: A distinct intellectual or artistic creation
- **Expression**: The intellectual or artistic realization of a work
  - Is realized through
- **Manifestation**: The physical embodiment of an expression of a work
  - Is embodied in
  - Is exemplified by
- **Item**: A single exemplar of a manifestation
Figure 5.7  General Model for Aggregates

The Works

Expressions

is realized through

is embodied in

Aggregating Work

Aggregating Expression

is realized through

is embodied in

Aggregate Manifestation
IFLA Library Reference Model
A Conceptual Model for Bibliographic Information

Pat Riva, Patrick Le Berre, and Maja Žumer
Consolidation Editorial Group
of the IFLA FRBR Review Group

Definition of a conceptual reference model to provide a framework for the
analysis of non-administrative metadata relating to library resources

August 2017
Revision after wide-spike review
Endorsed by the IFLA Professional Committee

Pat Riva, Patrick Le Berre, and Maja Žumer, 2017
Serials’ place in the universe of LRM
Finally, an answer to the $64,000 question:

What is a serial?
A successive indeterminate aggregating work!
“All models are wrong”

Aphorism attributed to statistician George Box

A model is a simplification or approximation of reality and hence will not reflect all of reality. ... Box noted that "all models are wrong, but some are useful." While a model can never be "truth," a model might be ranked from very useful, to useful, to somewhat useful to, finally, essentially useless.

Wikipedia
Useful Aspects

- ISSN becomes a work identifier
- The significant potential differences between print and online versions are recognized
  - they have each become distinct works
- Separate ISSN for each work may be easier to justify
- The “WEM lock” would indicate that all elements can apply at each level
  - (How does that affect the BIBFRAME editor?)
- ISSN-L can continue to cluster or group related versions
Why no more print and online manifestations?
Relating print and online or other groups

...it remains possible to expand the IFLA LRM model by defining additional entities that comprise, say, the paper edition of a journal and its edition on the web; all linguistic editions of a journal that is published in more than one language as separate editions; all local editions of a journal, etc., according to the needs that have to be met in a given implementation of the model.

An ISSN can therefore be said to identify an individual serial work, while an ISSN-L can be said to identify a particular case of such an additional entity when, at the time of cataloguing, a given serial is simultaneously released in printed form and as PDF files.

LRM citation
Many journals are identical in print and online forms because they are created from one PDF file.

We will have to stop referring to print and online as different “manifestations,” a useful way of describing them.

CONSER’s allowance of “one-record” to handle both print and online may be more difficult to justify.

MARC 776 may have to be defined differently?
The ISSN Review Group has not yet determined any changes to ISSN assignment rules or records.
The RDA Serials Task Force recommended no change from current RDA boundaries of a work but conditions that now create a new manifestation will create a new work and expression as well.

LRM: “Bibliographic and cultural conventions play a crucial role in determining the exact boundaries between similar instances of works.”

FRBR also mentioned that cultural/community conventions should determine when you have a new work.
When should we have a new work?

ISSN Network desires harmonization of the remaining areas not aligned; additionally...

- A recent ISSN survey indicated a desire for fewer new ISSN, especially from publishers
- ISSN RG voted to lead an exploration of the rules for major and minor changes
Pandora’s Box of Title Change Rules

Duplicate records
Publisher confusion
Wrong ISSN
Broken Links

HOPE
Hoping for a Peaceful Model
"Of the making of many models there is no end"
Stay tuned for what’s next!
Chronically diachronic
Thank you!
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