The Bibliographic Framework Initiative

The Early Experimenters Experience & What's Happening at OCLC

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Agenda

- The Bibliographic Framework Initiative
  - What is it and why is it important?
- The Bibliographic Framework Initiative: Early Experimenters
  - The Early Experimenters Experience
    - Methodology, Process & Results
- What is OCLC Doing?

The Bibliographic Framework Initiative

Definition & Goals

Original Announcement

News and Announcements

A Bibliographic Framework for the Digital Age (October 31, 2011)

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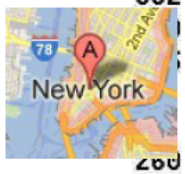
The Working Group of the Future of Bibliographic Control, as it examined technology for the future, wrote that the Library community's data carrier, MARC, is "based on forty-year-old techniques for data management and is out of step with programming styles of today." [1] The Working Group called for a format that will "accommodate and distinguish expert-, automated-, and self-generated metadata, including annotations (reviews, comments) and usage data." [2] The Working Group agreed that MARC has served the library community well in the pre-Web environment, but something new is now needed to implement the recommendations made in the Working Group's seminal report. In its recommendations, the Working Group called upon the Library of Congress to take action. In recommendation 3.1.1, the members wrote:

> "Recognizing that Z39.2/MARC are no longer fit for the purpose, work with the library and other interested communities to specify and implement a carrier for bibliographic information that is capable of representing the full range of data of interest to libraries, and of facilitating the exchange of such data both within the library community and with related communities." [3]

This same theme emerged from the recent test of the Resource Description and Access (RDA) [illegible] Library, the National Library of Medicine

Deconstructing MARC – Identifying MARC Resources (MARCR)

```
001      26132811
008      920608s1992    nyu                0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050   00 $aZ678.9$b.C58 1992
082   00 $a025/.00285$220
1     1  $aCohn, John M
10    10 $aPlanning for automation :$ba how-to-do it manual for
         librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michael
         Fiels
         $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440    0 $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650    0 $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650    0 $aLibrary planning$xHandbooks, manuals, etc
700   10 $aKelsey, Ann L
700   10 $aFiels, Keith Michae
```



Presentation Excerpt:

- ***Bibliographic Framework Initiative Approach for MARC Data as Linked Data***
- Sally McCallum
- Sept 13, 2012
- IGeLU Conference, Zurich Switzerland

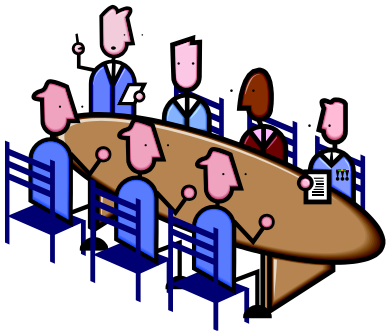
The Bibliographic Framework Initiative

Early Experimenters

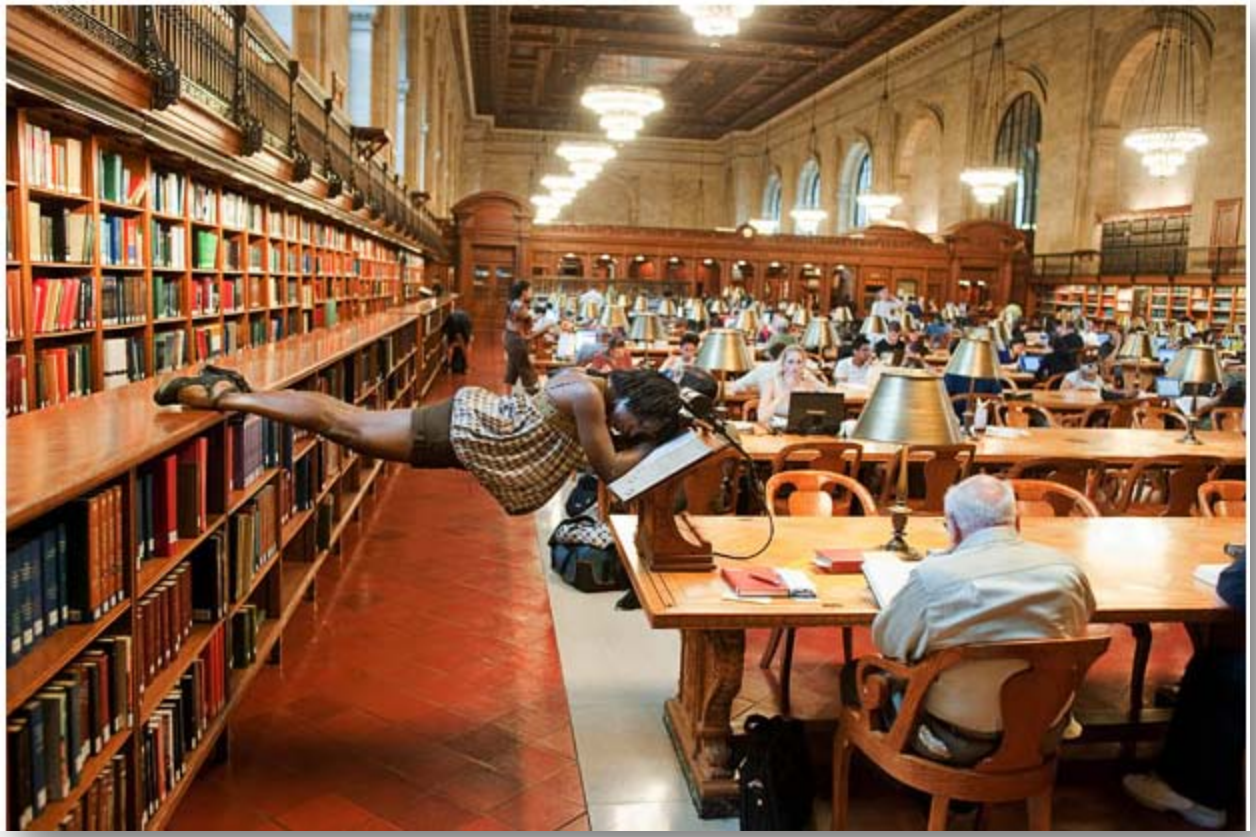
BFI: Early Experimenters: Who are They?

- British Library
- George Washington University
- The German National Library (DNB)
- Library of Congress
- National Library of Medicine
- OCLC
- Princeton University

Methodology

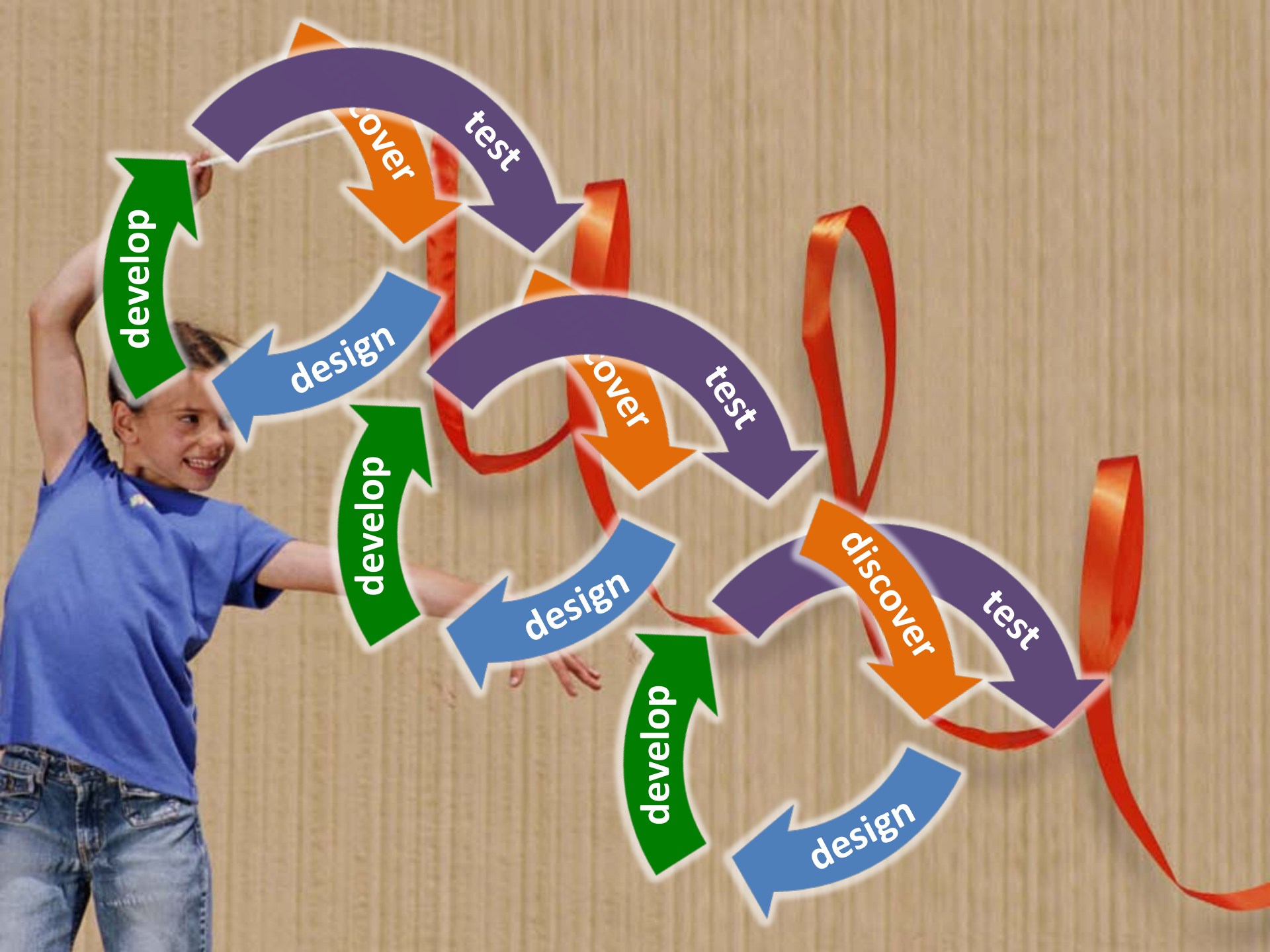


Traditional Standards Development

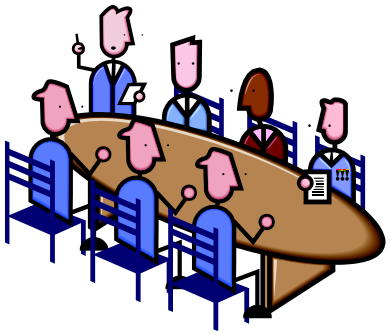


A more agile approach

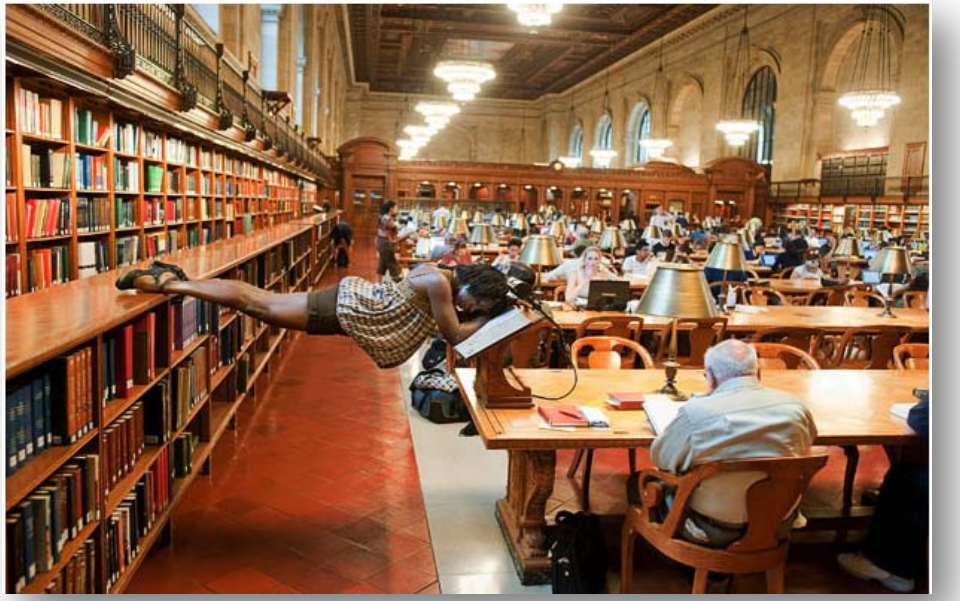
Discover
business requirements
Design
technical design
Develop
coding and testing
Test
client approval and launch
Time = One Release


develop
design
test
develop
design
test
develop
design
discover
test
develop
design

Methodology



Traditional Standards Development



A more agile approach

BFI Announcement

• LC Publishes Model
• First EE Workshop

•Second EE Workshop

•Bibframe.org

2011

2012

2013

•Experimentation & Feedback

BFI: Early Experimenters: Workshop 1

- October, 2012: Workshop 1
  - Discuss & debate the model
  - See demonstration from Library of Congress
  - Discuss experimentation phase

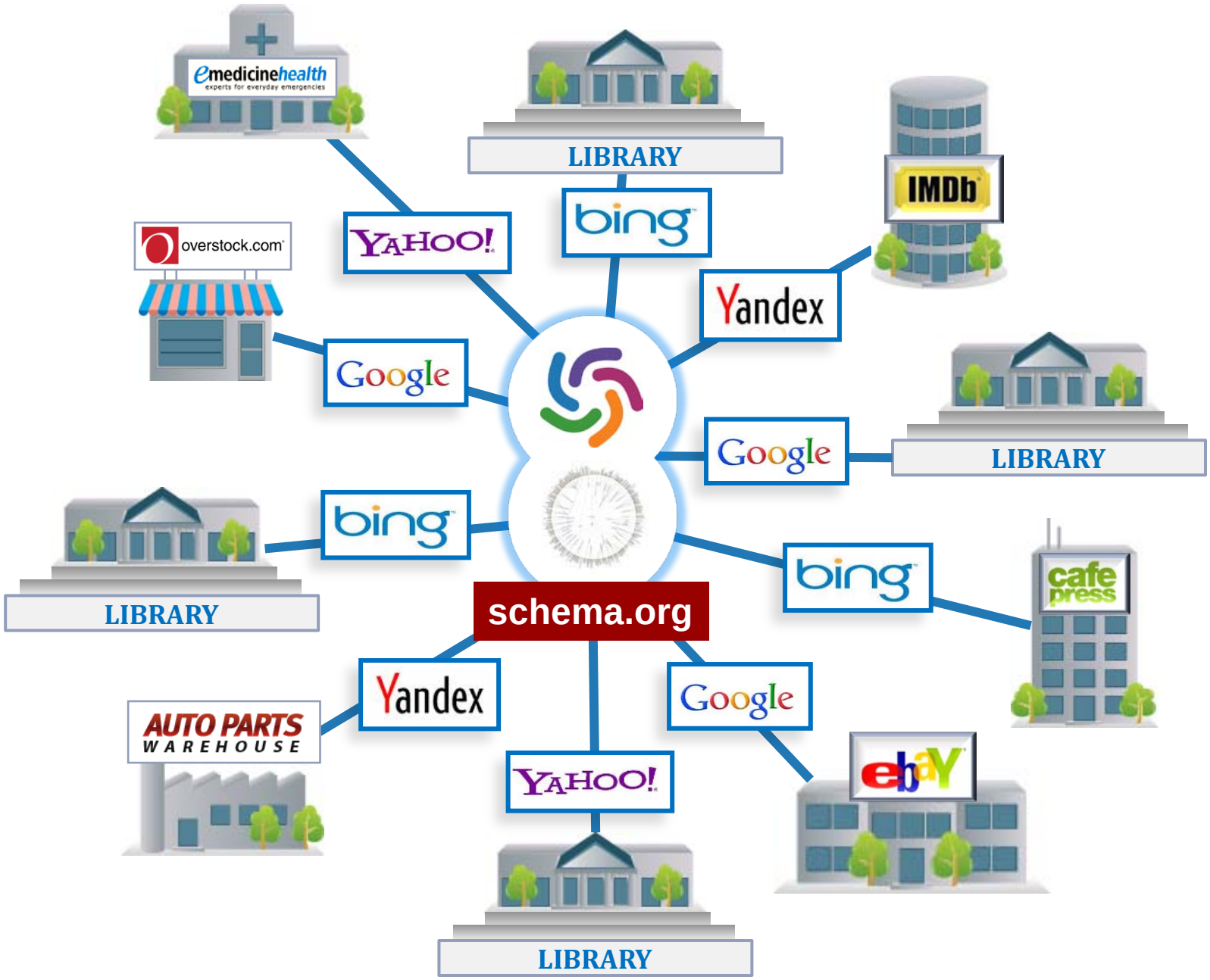
BFI: Early Experimenters

- December, 2012: Workshop 2
  - Discuss findings of experimentation phase
    - Library of Congress: continued to refine experiments
    - OCLC: Office of Research converted all of WorldCat to BIBFRAME data
    - Others: study and commentary on documents

The Bibliographic Framework Initiative

What Is OCLC Doing?

What is OCLC Doing?



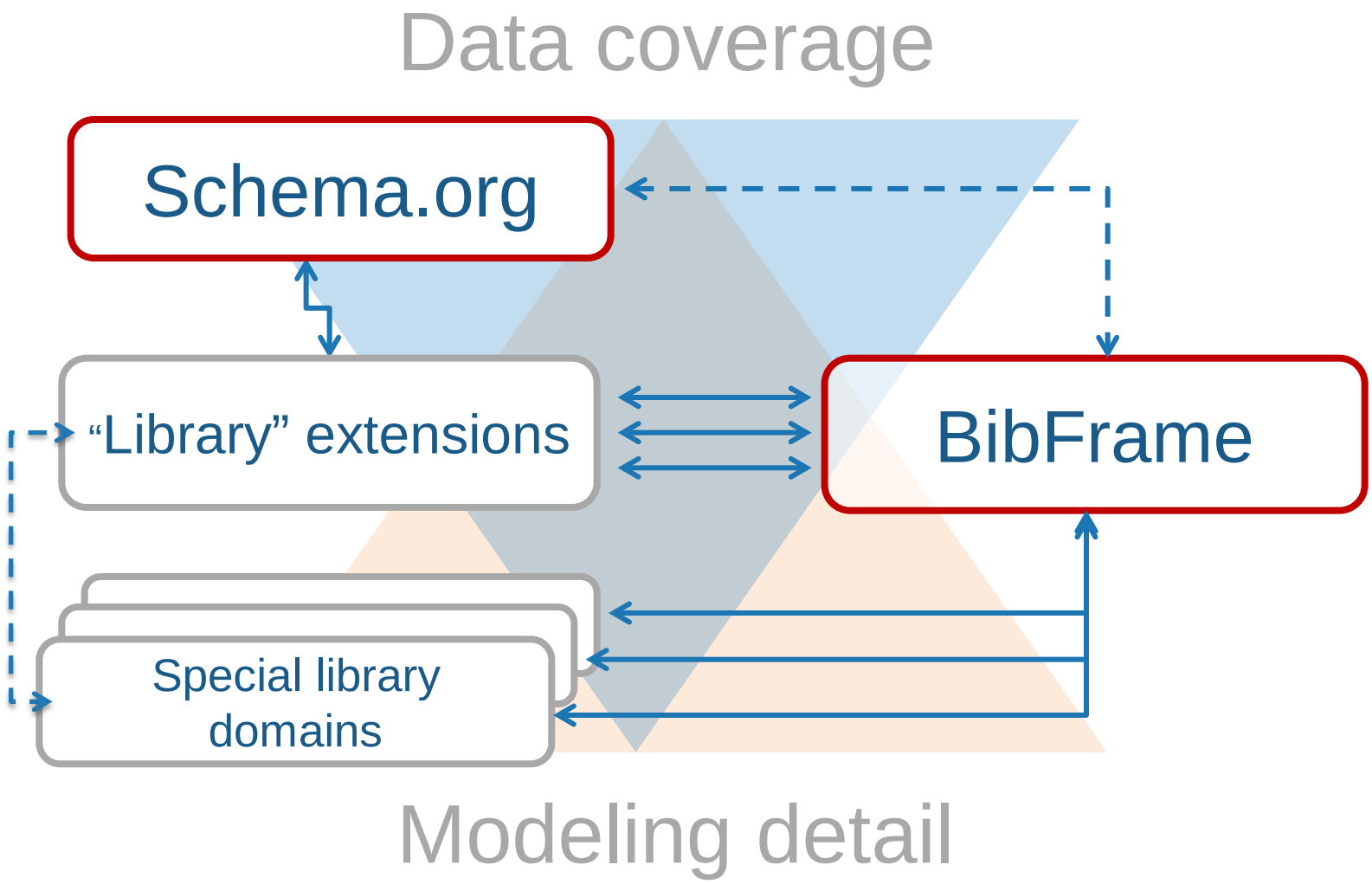
What Does It Look Like?

```
@prefix schema: <http://bibframe.org/> .


<http://worldcat.org/works/12345>
        a bf:Work;
        bf:title "War and Peace";
        bf:subject <http://id.loc.gov/authorities/names/n79054933>;
        bfp:creator <http://viaf.org/viaf/96987389>;
        bf:languageOfWork "en";
        bfp:genre "History";
        bfp:genre "Fiction";
        bf:description  "An epic novel featuring the Russian role in the Napoleonic wars and p
        bfp:hasInstance <http://www.worldcat.org/oclc/38264520>;
        bfp:hasInstance <http://www.worldcat.org/oclc/620344>.

<http://www.worldcat.org/oclc/38264520>
        a bf:Instance;
        bf:isbn "9780553479430";
        bf:isbn 0553479431";
        bf:title "War and Peace";
        bf:instanceOf <http://exampleworks.org/work/12345>.

<http://www.worldcat.org/oclc/620344>
        a bf:Instance;
        bf:title "War and Peace";
        bf:subject <http://id.loc.gov/authorities/names/n79054933>;
        bfp:creator <http://viaf.org/viaf/96987389>;
        bfp:genre "History";
        bfp:genre "Fiction";
        bf:description  "An epic novel featuring the Russian role in the Napoleonic wars and pr
        bf:instanceOf <http://exampleworks.org/work/12345>
```

BFI: Experimental View

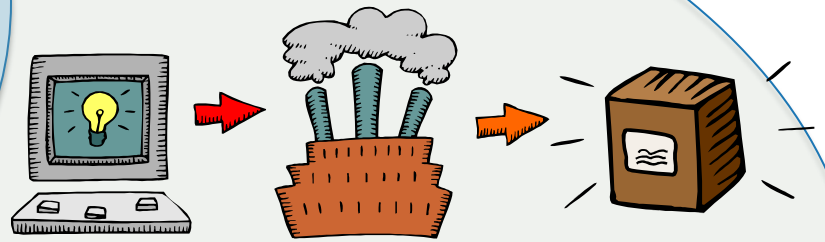
http://worldcat.org/bibframe/creative-work/2012112859325556 **a** bf:Book, bf:CreativeWork	
bf:author	http://id.loc.gov/authorities/names/n77009577
bf:creator	http://id.loc.gov/authorities/names/nb2004314546
bf:hasInstance	http://worldcat.org/bibframe/instance/473752502 **a** bf:PhysicalBook
bf:date	2003.
bf:place	
bf:publisher	
owl:sameAs	http://www.worldcat.org/oclc/473752502
bf:title	Partitions and domination in a graph /
bfp:titleStatement	by B.L. Hartnell and P.D. Vestergaard.
http://worldcat.org/bibframe/instance/059325556 **a** bf:PhysicalBook	
bf:date	2003.
bf:place	
bf:publisher	
owl:sameAs	http://www.worldcat.org/oclc/059325556
bf:title	Partitions and domination in a graph /
bfp:titleStatement	by B.L. Hartnell, P.D. Vestergaard.
http://worldcat.org/bibframe/instance/249756996 **a** bf:PhysicalBook	
bf:date	2003.
bf:place	
bf:publisher	
owl:sameAs	http://www.worldcat.org/oclc/249756996
bf:title	Partitions and domination in a graph /
bfp:titleStatement	B. L. Hartnell; P. D. Vestergaard.
bf:language	eng
bf:title	Partitions and domination in a graph /

Schema.org and BibFrame: big alignments



What is OCLC Doing?

Short Term

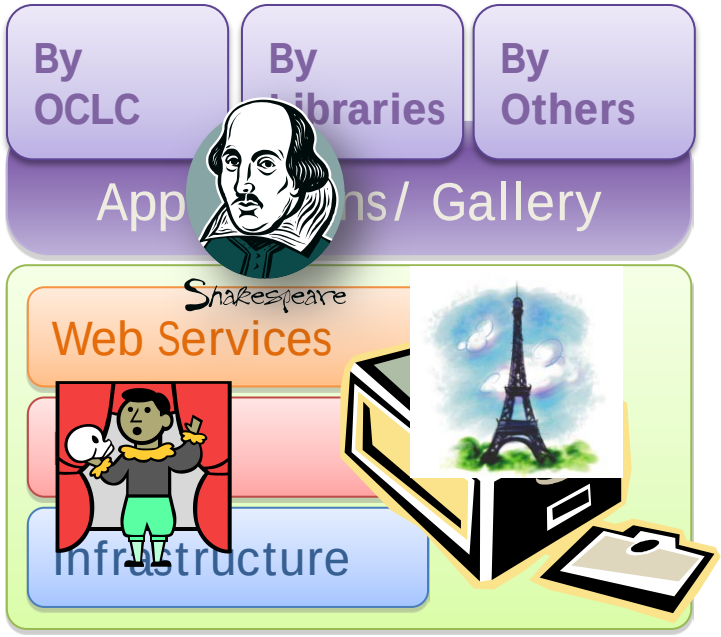


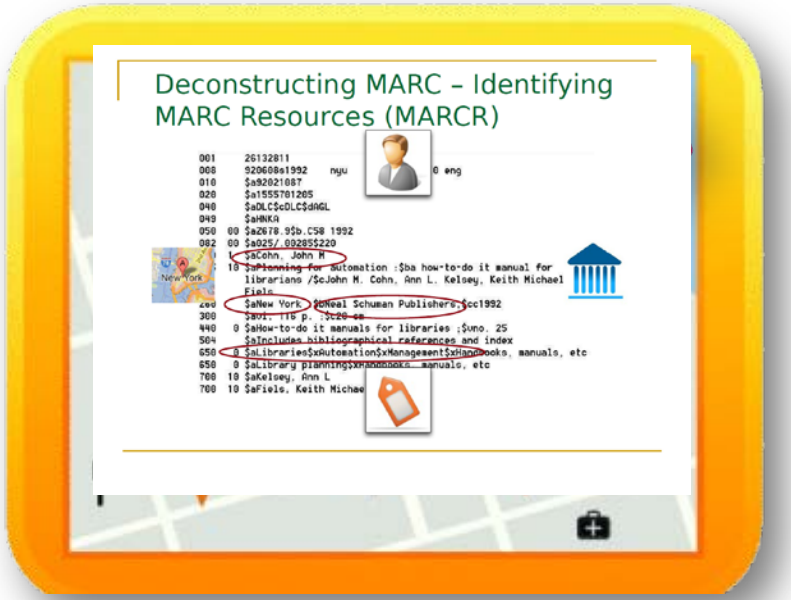
- Workflows:
  - Works
  - Identifiers
  - WEMI Metadata
- Web exposure of library data at scale

Long Term

Direction

- Aggregate data to maximize the opportunity to expose it on the web.
- Mine data sets to create additional value.
- Structure and expose data sets as Linked Data revealing the map of knowledge within library data.





Discussion

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