

E-Resources Management: *So Many Silos to Synchronize...Still!*

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“True integration with systems that already support various aspects of the e-resource life cycle is likely to be the key to success for e-resource management solutions. Such a solution should not duplicate existing data and procedures, but rather complement them while streamlining workflows: it should provide a central ‘control tower’ for librarians from which they can manage the e-resource environment.”

(Sadeh & Ellingsen, 2005)

Some assumptions:

- E-resources management is still a complex and daunting task (too much work!), distributed among multiple data containers (*silos*)
- Despite the development of streamlined workflows, there is still redundant and duplicate data entry (*synchronization*)
- Despite technical developments (systems, tools, applications), there are only partial integrated systems and approaches (*integration*)
- E-resources management needs to be more automated (*automation*)

Some initial questions:

- Is there a more integrated approach to e-resources management?
- Should the ultimate goal of e-resources management be to minimize the number of silos for e-resources data?

Current Landscape for E-Resources

1. Systems & tools
2. Standards
3. Data providers

Current Landscape (1): Systems & Tools

Millennium Cataloging · California State University Library, Northridge · Luiz Mendes

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- Ask a Librarian



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Y	Z	0 - 9			

Current Landscape (2): Standards

Current, new & emerging standards:

- Data structures (e.g., ONIX for Serials (holdings, coverage); metadata, etc.)
- Data exchange formats (e.g., ONIX Serials Online Holdings (SOH); acquisitions transaction data (CORE))
- Usage statistics (COUNTER, SUSHI)
- Licenses (e.g., ERMI2/ONIX for Licensing Terms/ONIX-PL; SERU)
- General e-resources management system standards (e.g., data elements, workflows, etc.)

Current Landscape (3): Data Providers

Source and quality of records:

- MARC subscription services
- MARC records from publishers & vendors
- Records from knowledge base
 - ✓ CONSER records (e-journals)
 - ✓ Proposals for provider-neutral records for databases (integrating resources → more authenticated records, less duplication, and records will be part of serials management systems)
 - ✓ E-book aggregations (publisher, vendor metadata)

A return to the initial questions, and then some more:

- Is there a more integrated approach to e-resources management?
- Should the goal of e-resources management be to minimize the number of silos?
- What are some criteria to pursue a more integrated approach for re-thinking e-resources management?
- Would the development and use of original (local) applications be a solution to achieving the goal of minimizing the number of silos required for managing e-resources?

CSU: E-Resources Landscape

- California State University: 23 campuses
- Consortium acquisition of e-resources
- Some areas of e-resources management and workflows are centralized in collaboration with the Chancellor's Office, Systemwide Library Initiatives, Information Technology Services (e.g., SFX, MetaLib)

ILS	<ul style="list-style-type: none"> • Innovative • Endeavor • Dynix • GEAC
ERM	<ul style="list-style-type: none"> • implemented • being implemented • under consideration
SFX	<ul style="list-style-type: none"> • link resolver • MARCIt!
MetaLib	<ul style="list-style-type: none"> • Version III • X-Server
SerialsSolutions	<ul style="list-style-type: none"> • 360 MARC Updates

Development of Local Application

SFX to Innovative ERM conversion:

- Automated extraction and conversion of holdings data from SFX into III ERM format
- “Direct linking” to send users directly from catalog to vendor website via OpenURL
- One place to control the data and provide OpenURL linking (SFX)
- One place to search and display journal information (catalog)

*Developed by David Walker, Library Web Services Manager
California State University*

SFX to III ERM format: Local application

- SFX format

Religious studies 0034-4125

Cambridge University Press Journals Complete

`$obj->parsedDate('>=', '1997', '33', '1') &&`

`$obj->parsedDate('<=', '1999', '35', '4')`

- ERM Format

Religious studies | 0034-4125 | | 1997 | 1999 | Cambridge

University Press Journals

Complete | Volume | 33 | 35 | Issue | 1 | 4 |

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JOURNAL TITLE

Title Newsweek.
Imprint New York, etc., Newsweek, Inc.
Absorbed Today (1933) Feb. 27, 1937

ONLINE:

- [Academic Search Premier](#) Jan. 01, 1937
- [MAS Ultra School Edition](#) Jan. 01, 1937
- [Military and Government Collection](#) Jan. 01, 1937
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Corollary effects:

- Integration (centralization) cause for a re-thinking of acquired systems, services?
- Systems that relate and have capabilities for extraction and importing of data from one single silo (*synchronization*)?
- Selection of services, systems, and products based on integration and interoperability of systems?
- Do more with less (*redundancy*) in fewer silos!

References

- Grover, D. & Fons, T. (2004). The Innovative Electronic Resource Management System: A development partnership. *Serials Review*, 30, 110-116.
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- Sadeh, T., & Ellingsen, M. (2005). Electronic resources management systems: The need and the realization. *New Library World*, 106 (5/6), 208-218.