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Hot Digital Projects: The Encore Experience

Joan Giesecke

University of Nebraska-Lincoln, jgiesecke1@unl.edu

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Hot Digital Projects: The Encore Experience

Dr. Joan Giesecke

University of Nebraska-Lincoln

April 23, 2009



Traditional Catalogs

- Library centric information
- Do not act like Google
- Do not look like Amazon.com



The Library Catalog as...

CENTRAL INTELLIGENCE !



The Library ILS brings information from
the World to the Campus and from the
Campus to the World



Traditional Collections in the ILS

- Print and Electronic—books and journals. Links now standard in the ILS.
- Links to Full-Text E-Dissertations
- Links to E-Reserves
- Links to E-Licenses through ERM
- Links to E-books where library is publisher



Today's Challenge

- Different local databases function as separate Intelligence Agencies that do not talk to one another
- Need to integrate the searching of the individual, unique databases
- Need interfiled records for local databases with traditional catalog entries
- Move beyond just linking to databases



Think Harvesting

- Need to move from silos to organic markets that bring everything together without creating duplicate work
- Goal: a single search engine that brings together the catalog with the unique digital collections we are creating



Reaching the Goal with ENCORE

- Identify databases for harvesting
- Prepare databases for harvesting
- Harvest the data
- Integrate the display



Identifying What to Harvest

We identified the following collections as high priority:

- **Digital Commons (Bepress)**
 - Contains more than 19,000 articles, papers, e-books, documents, presentations, creative activities, master's theses, open-access dissertations, etc.
 - All free to all users.
- **ContentDM**
 - multimedia collections that include still images, audio, video, and data



Identifying What to Harvest

- Full text digital materials
 - created by the Center for Digital Research in the Humanities (mostly TEI XML format)
- University Archives finding aids
 - includes descriptive information on many of the papers in the University Archives (EAD XML format)



Preparing Databases for Harvesting

- Prepare an OAI feed to harvest metadata from the database records
- Then interfile the metadata records with the traditional catalog MARC records



Preparing the OAI Data Feed

- For the ContentDM and Digital Commons collections this was easy since both have built-in support for OAI harvesting
 - ContentDM - Fields are mapped to Dublin Core. If it isn't mapped it isn't harvested.
 - Digital Commons- no configuration was needed.
- Innovative handled the Catalog harvesting, which includes near real-time transaction history
- The XML collections required local preparation



XML Challenge: the Good, the Bad, and the Ugly

- XML is expandable and flexible
 - Bad, each project can have unique metadata
- XML must be well-formed
 - Good, there are encoding standards like TEI and EAD
- XML can be formally validated against a schema
 - Good, insure consistency of the data
- XML is not static
 - Ugly, a single project might use different levels of metadata



Preparing XML Using Open Source Software

- One file tells the system where to get the information for harvesting
- Second file tells how to transform the XML into Dublin Core



Catalog Images Articles **Advanced Search**

Search: 

Search Found In

Title (1)
Author (1)

Format

PRINT MATERIAL (2)
VISUAL MEDIA (1)

Collection

ContentDM
Collections (3)

Location

LOVE (3)

Results 1-6 of 6 for **ed wynn**

Sorted by Relevance | Title | Date

XML Record **Autographed photo of Ed Wynn**

Ruth Etting Collection Image Gallery




 Go to this record



 Add to cart  More info

XML Record **Fox Theater marquee**

Quaker Photo Services, Inc.
Ruth Etting Collection Image Gallery




 Go to this record

 Add to cart  More info

XML Record **Ten cents a dance - Simple Simon. Ten cents a dance. Vocal score**



Yahoo Images:



WEB SERVICES BY YAHOO!

Limit by Tag:

1939 1945 world war
actors actresses
anne frank culture
frances goodrich jewish
holocaust jews
marquees material
culture musicals
popular music
simple simon
symmetry theaters

Catalog Images Articles

Advanced Search

Search:



UNL Libra
encore

Ask a Question
My Library

Search Found In

Title (7)
Subject (5)

Format

PRINT MATERIAL (2)
VISUAL MEDIA (1)

Collection

DigitalCommons
Collection (7)
ContentDM
Collections (5)

Results 1-15 of 15 for **backyard farmer**

Sorted by Relevance | Title | Date

Pickle and other condiment recipes from Backyard farmer /
compiled by Wayne C. Whitney

PRINT
MATERIAL

AVAILABLE - CYT - TX805 .P53 1970z



Add to cart



More info



WebBridge

XML
Record **Backyard Farmer Archive 2008**

NET Media Archives



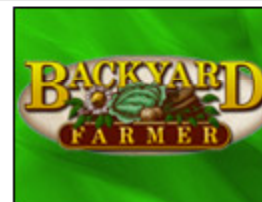
Go to this record



Add to cart



More info



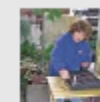
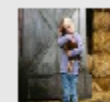
XML
Record **Backyard Farmer Archive 2007**

NET Media Archives



Yahoo Images:

your
backyard
farmer



WEB SERVICES BY YAHOO!

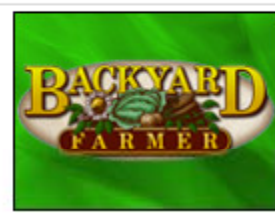
Limit by Tag:

**backyard
farmer garden
gardening**

canning and preserving
intellectuals landscape
architecture landscape
gardening nebraska
statewide arboretum
pickles science and the
humanities scientists

XML Record **Backyard Farmer Archive 2004**

NET Media Archives



Go to this record

Add to cart More info

XML Record **The NEBLINE, August 2007**

The NEBLINE Newsletter Archive from UNL Extension in Lancaster County

Go to this record

Add to cart More info

XML Record **The NEBLINE, July 2007**

The NEBLINE Newsletter Archive from UNL Extension in Lancaster County

Go to this record

Add to cart More info

XML Record **The Leading Object: April 2006**

The Leading Object

UNL) results:

Get more results:

- ◆ Academic Search Premier
- ◆ PUBMED
- ◆ Worldcat
- ◆ Omnifile
- ◆ Google Scholar

[More resources]

Catalog Images Articles Advanced Search

Search: 



Search Found In

- Community Tag (127)
- Author (52)
- Title (33)
- Subject (1)

Format

- PRINT MATERIAL (332)
- COMPUTER FILE (3)
- VISUAL MEDIA (2)

Collection

- DigitalCommons

Results 1-25 of 345 for **ethics center**

Sorted by Relevance | Title | Date 1 2 3 4 5 next

The handbook of mass media ethics / edited by Lee Wilkins and Clifford G. Christians

PRINT MATERIAL

DUE 04-24-09 - LOVE - P94 .H355 2009

2009 Add to cart More info WebBridge

Justice, crime, and ethics / [edited by] Michael C. Braswell, Belinda R. McCarthy, Bernard J. McCarthy

PRINT MATERIAL

AVAILABLE - LOVE - HV7419 .J87 2008

2008 +Show all 2 copies/volumes

Add to cart More info WebBridge

Ethics in journalism / Ron F. Smith

PRINT MATERIAL

AVAILABLE - LOVE - PN4888.E8 G66 2008

c2008 Table of contents only

Yahoo Images:

WEB SERVICES BY YAHOO!

Limit by Tag:

- applied ethics
- bioethics
- business ethics
- engineering ethics
- environmental ethics
- ethical theory
- ethics
- ethics center
- genetics
- higher education
- journalistic ethics
- judicial ethics
- legal

Management Issues: The Collections

- Digital Commons
 - was easy, metadata was clearly defined and built-in
- ContentDM
 - Inconsistent Dublin Core Mapping
 - Inconsistent Data Entry
- XML Collections (TEI & EAD)
 - Metadata evolved
 - Metadata didn't include subject analysis as it was designed for full-text searching. Needed to add in subject data.



Management Challenges: The Librarians

- Changing search engines requires Librarians to learn how a new system works
- Librarians' concerns need to be addressed so librarians will encourage faculty to use the new system



Librarians' Concerns

- Catalog search results differ from Encore search results
- Key word searching vs. known item searching
- Facets vary by the cataloging record
- Integrating databases is confusing to some users and librarians



Tagging Worried Some Librarians

- Tagging is popular with students and faculty
- Requires almost no staff time to manage
- Impressed University administrators
- Librarians worried faculty and staff were not trained to use appropriate tags



Tried Training for Library Staff

- Developed Tutorials
- Provided one-on-one training
- Provided group training
- Resistance to learning a new way to search



Post-implementation Testing

- Set up times for staff to test the system after it was implemented
- Found librarians participated in post-implementation testing
- Found cataloging record problems as part of the testing – helps with clean-up projects
- Finally learning to use Encore occurred



Conclusions

Technical issues were addressed while the system was available to patrons. Students coped well with the changing environment.

Concerns of librarians and staff need to be addressed so staff do not discourage faculty and students from using the next generation search engine.

