Building Institutional Repositories: Emerging Challenges

Yumi Ohira
University of Nebraska at Omaha, yohira@unomaha.edu

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Building Institutional Repositories: Emerging Challenges

2014 WLA Conference, September 26th
Yumi Ohira, MFA, MLS
University of Wyoming Libraries
Agenda

(1) Introduction
   (1-1) What is an IR
   (1-2) WySR – Wyoming Scholars Repository
(2) Importance of an IR – “Discoverability”
   (2-1) Researchers’ Expectations
   (2-2) Discoverable through Search Engines
   (2-3) Strong Metadata
(3) Challenges
   (3-1) Copyrights/Permissions
   (3-2) Faulty Participation
(4) Conclusion
(1) Introduction

(1-1) What is an IR?

The Role of an IR

“... an institutional repository is a digital archive of the intellectual product created by faculty, research staff, and students of an institution and accessible to end users both within and outside of the institution, with few if any barriers to access.”

Why create an IR? What are the goals of an IR?

- To showcase scholarly works
- To create a public forum for students, faculty, and staff
- To maximize research impact
  (Be easily searchable and discoverable)
- To manage and preserve digital scholarly works
(1-2) WySR – Wyoming Scholars Repository

http://repository.uwyo.edu/
The Structure of BePress-Digital Commons

- **Series**
  - faculty papers, lectures, reports, datasets, oral histories, etc.
- **EDT (Electronic Dissertations and Theses) Series**
  - theses and dissertations
- **Book Galleries**
  - books, chapters, newsletters, yearbooks, etc.
- **Image Galleries**
  - artwork, images, scanned documents, photos, etc.
- **Event Communities**
  - conference presentations, symposium materials, etc.
- **Journals**
  - academic quarterlies, campus periodicals, etc.
WySR
http://repository.uwyo.edu/

Series
Botany Faculty Publications  http://repository.uwyo.edu/botany_facpub/
Star Wars  http://repository.uwyo.edu/starwars_litcrit/
NJAT  http://repository.uwyo.edu/njat_oralhistories/

Book
Yellowstone Curriculum Materials  http://repository.uwyo.edu/starrs_curriculum/

Image
City Atlas  http://repository.uwyo.edu/gem_city_atlas/

Event
Education Research Symposium  http://repository.uwyo.edu/education_symp/2014/

Journals
National Park Service Research Center  http://repository.uwyo.edu/uwnpsrc_reports/
SelectedWorks Author Gallery
- Centralized management
- Customization
- Dissemination and discoverability

Collect and Manage
- Scholarly articles
- Book chapters
- Audio and video files
- Supplementary research materials, etc.
(2) Importance of an IR - “Discoverability”

(2-1) Researchers’ Expectations

- Resources--available 24 hrs a day, 7 days a week, 365 days a year
- The entire resources (Full-text)
- Easy to find, access, identify and evaluate
(2-2) Discoverable through Search Engines
How do search engines work?

Crawling: Robots go looking for content
Indexing: Content is discovered and noted
Ranking: Content is ranked in search engine results by relevancy
Relevancy: Determined by a set of algorithms unique to each search engine
http://repository.uwyo.edu/starrs_curriculum/
What is SEO?

SEO = Search Engine Optimization

Refers to the process of “optimizing” both the on-page and off-page ranking factors in order to achieve high search engine rankings for targeted search terms.

Refers to the “industry” that has been created regarding using keyword searching a means of increasing relevant traffic to a website.
Foundations of Discovery  Metadata

- Metadata provides information about data content
- Metadata describes content
- Metadata categorizes content
- Metadata provides context for content
- Metadata provides discoverability
- Metadata facilitates searches for key data
- Metadata supports “harvesting” of the IR by external systems
- Metadata helps organize IR content
- Metadata helps archiving and preservation
Improve Search Results Snippets

Page Title

URL

Snippet

Yellowstone Youth Conservation Corps (YCC) Resource Education Curriculum (REC); Greater Yellowstone Ecosystem; leadership, cultural heritage, ...
Google Analytics

WySR launched
DC Usage Reports

- Reports for IR administrators
  - Hit Reports, Full-Text and Additional File Download Reports, Referral Reports
- Reports for editors
  - Publication Editor Report
- Reports for authors
  - Author Dashboard, Automatic Monthly Author Readership Report, On-Demand Download Report
- Report for institutional stakeholders
  - IR Activity Summary E-mail, Publication Activity Summary E-mail
(3) Challenges

- The submission of electronic materials
- Varying publisher copyright policies
- Difficulties in obtaining postable publisher version PDFs
- Technical limitations
(3-1) Copyrights/Permissions

Faculty List → Citation Databases → Citation List

Citation List → Publisher Version PDF → Pre-Print → Post-print → Unknown

Letters requesting permissions

SHERPA/RoMEO: Publisher copyright policies & self-archiving

Search

- Journal title or ID/DOI
- Publisher name
- Exact title
- Starts with
- Contains
- ISN

Like this site to list a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.
(3-1) Copyrights/Permissions

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Pre-Print → Post-print → ? Unknown
√ Pre-Print
√ Post-Print
X Publisher’s Version/PDF
(3-1) Copyrights/Permissions

- Faculty List
- Citation Databases
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- Pre-Print
- Post-print
- Publisher
- Version
- PDF

Letters requesting permissions

SHERPA/RoMEO
Publisher copyright policies & self-archiving

Search

Like this site to list a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.
Dear [Pub_Name],

I am contacting you on behalf of [Author_Name] who is a contributing author to one of your journals.

[Author_Name] is a faculty member in the Department of Management and Marketing at the University of Wyoming and would like to re-deposit the full text of the following article from "[Journal_Title]" in the University's institutional repository. [Author_Name] has authorized me to do this on [His/Her] behalf and to contact you to seek permission to do this.

Article: [Title]

The institutional repository is a not-for-profit service for our academic authors, providing access to the full-text of their publications. Full bibliographic details are given for each article, including the journal of original publication, etc.

If possible, it is preferred to archive the finalized PDF version as it appears in print. The PDF version has an advantage over scanning the author's own version, as it maintains consistency in appearance of the article whenever it is read. This also maintains a closer association of the article with the journal, through the header, title, and journal name.

It is easy to give your permission. Simply email me by replying in this email and state that you give permission and that I can use any conditions that are associated. If it would be possible to use the published PDF version of the article for this purpose, please include this.

Thank you for your attention and cooperation. I look forward to hearing from you.

Sincerely,

[Name]

Kelly Vosnak, M.L.S.
Scholarly Communications Librarian
University of Wyoming Libraries
vosnak@uwyo.edu
College of Business:
- Faculty: 69
- Citations: 291
- Publisher’s version PDFs: 27
- Contact: 37

College of Education:
- Faculty: 72
- Citations: 121
- Publisher’s version PDFs: 6
- Contact: 19

History Department:
- Faculty: 12
- Citations: 48
- Publisher’s version PDFs: 9
- Contact: 17
Average Numbers of Publications

- **HISTORY DEPARTMENT**: 4
- **COLLEGE OF EDUCATION**: 1.7
- **COLLEGE OF BUSINESS**: 4.2
Letters requesting permission: 52
Responses: 30
Permissions: 24
with PDFs: 4
(3-2) Faulty Participation

Active and strong outreach

- Attending department meetings
  Understand the departmental cultures and faculty perspective
- Offering workshops and presentations
  Make IR more visible
- Creating and providing informational brochures and websites
  Inform benefits

March 14, 2014 Workshop at COB
(4) Conclusion

Information Life Cycle

- Digital collection building
- Access to digital collections
- Use of IR materials
- Long-term preservation
Thank You

Yumi Ohira, MFA, MLS
University of Wyoming Libraries
yohira@uwyo.edu
Browse by Research Unit, Center, or Department

The repository is a service of University of Wyoming Libraries. Research, scholarly, and creative output included here has been selected and deposited by the faculty, researchers and students of University of Wyoming. WySR, Wyoming Scholars Repository, is part of the larger Open Access movement to transform scholarly communications.

Collapse All

- College of Agriculture and Natural Resources
  - Agricultural Experiment Station
    - Wyoming Agricultural Experiment Station Bulletins

- College of Arts and Sciences
  - American Studies
  - Botany
    - Botany Faculty Publications
  - English
    - MFA in Creative Writing
    - The Medieval and Renaissance Roots of Star Wars
  - Geology and Geophysics
    - Geology and Geophysics Faculty Publications
  - History
    - History Faculty Publications
    - Immigrant Oral Histories
    - Phi Alpha Theta Nu Alpha & UW History Club
  - Mathematics
    - Mathematics Faculty Publications
  - Music
    - Music Faculty Publications
  - Selected Works
My research focuses on information literacy instruction, visual literacy, and the intersection of the arts and academic libraries.

**Library and Information Science**

- **Link**
  - Engagement and Assessment in a Credit-Bearing Information Literacy Course (with Melissa Bowles-Terry), Reference Services Review (2013)
  - *Purpose* – The authors teach a three-credit, upper-division, information literacy (IL) course to students in...

- **File**
  - Participation on the High Plains: Increasing Student Engagement in an Upper-Division, Three-Credit Information Literacy Course (with Melissa Bowles-Terry), LOEX of the West (2012)
  - The presenters teach a three-credit, upper-division information literacy course to students in various majors. In...

- **File**
  - Embedding Information Literacy into a Studio Art Course, Handbook of Art and Design Librarianship for Higher Education (2010)
  - Academic art librarians frequently provide information literacy (IL) instruction for art history students. It is...

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  - From the Rockies to the Volga: A Partnership between Librarians at the University of Wyoming and Saratov State University (with Jamie P. Kearley), Association of College & Research Libraries (2009)
  - *Session Description* – Join us as we take you on a tour of the cities of...

- **PDF**
BOTANY FACULTY PUBLICATIONS

Submissions from 2012


Submissions from 2011


Submissions from 2010

- Daily to Decadal Patterns of Precipitation, Humidity, and Photosynthetic Physiology Recorded in the Spines
Shrub Encroachment Alters Sensitivity of Soil Respiration to Temperature and Moisture

J. M. Cable  
G. A. Barron-Gafford  
K. Ogle  
M. Pavao-Zuckerman  
R. L. Scott

David G. Williams, University of Wyoming  
T. F. Huxman

Document Type  
Article

Publication Date  
1-11-2012

Abstract  
A greater abundance of shrubs in semiarid grasslands affects the spatial patterns of soil temperature, moisture, and litter, resulting in fertile islands with potentially enhanced soil metabolic activity. The goal of this study was to quantify the microsite
THE MEDIEVAL AND RENAISSANCE ROOTS OF STAR WARS

This project was provided in the course, ENGL 4640: Digital Humanities, by Dr. Ryan Croft. Students in this Digital Humanities course were tasked with creating video essays that explore the deep connections between Star Wars and medieval and Renaissance literature. These forays into film and literary criticism were created with the Fair Use Exemption and are intended for educational use in high school and college classrooms. By showing these videos essays, English teachers can encourage student discussion about the medieval and Renaissance texts they are reading, while also illustrating the continued influence of these early texts on today’s digital media and culture.
THE MEDIEVAL AND RENAISSANCE ROOTS OF STAR WARS

"Heads will Roll: Princess Leia and Judith as Heroines Defending their Dignity and People"

Allison Cetak, University of Wyoming

Document Type
Video

Publication Date
Spring 2014

This document is currently not available here.
NOT JUST A TEACHER: ORAL HISTORIES

Interview with Cheri Grutkowski

Chateau Ary, University of Wyoming

Document Type
Audio

Publication Date
Winter 12-1-2013

Abstract
01. Overview of the Resource Education Curriculum Progression

Kristen Schulte and Ana K. Houseal

0.1 Overview of the Resource Education Curriculum Progression

This lesson consists of activities that introduce youth to guided scientific inquiry. They will learn to make careful observations, ask questions, and create connections to their own lives while learning about the classification of abiotic and biotic factors in the natural world.

02. Ecological Relationships Lesson #1: OBSERVATION IS A SKILL

Kristen Schulte and Ana K. Houseal

This lesson consists of three activities that introduce youth to guided scientific inquiry. They will learn to make careful observations, ask questions, and create connections to their own lives while learning about the classification of abiotic and biotic factors in the natural world.
ants and missile silos and goods and ideas and people from afar all converged."

**Gallery Locations**

View gallery on map
View gallery in Google Earth

---

**Landmarks, Landscape**

**Birds, Birding, and Birders**

**Cold War, Warm Planet**
Here in Wyoming we're surrounded by these famously beautiful mountains, and the natural environment seems to be integral to Laramie's character. So started thinking of Laramie as an outward facing city, looking out toward the other Laramie's, the Laramie River, the Laramie mountain range, Laramie Peak. But it feels incomplete to define a...
2014 Education Research Symposium Schedule

The College of Education Scholarship and Research Symposium, an annual event highlighting scholarly activities by College of Education faculty and graduate students, is scheduled for Friday, March 7th, 2014.

Keynote Speakers

Richard Crandall  
Director, Wyoming Department of Education

Dick McGinity  
President, University of Wyoming

When: Friday, March 7  
8 a.m. - 4 p.m.  
Where: Education Annex  

The College of Education Scholarship and Research Symposium is an annual meeting that serves as a forum for faculty and graduate students to present their scholarship and research. In particular, the Symposium is designed to promote and reinforce scholarly activity among graduate students (doctoral and master’s) in the College of Education. The Symposium provides an informal (and potentially rich) opportunity to inform faculty and graduate students about the diverse scholarly activities presently being conducted. Specifically, the Symposium will provide faculty
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Breakfast and Registration</td>
<td>College of Education, University of Wyoming</td>
<td>ED Annex 318</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Welcome - Martin Agran and Dean Day</td>
<td>Richard Crandall, Department of Education, University of Wyoming</td>
<td>ED Annex 318</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Counselor’s comfort level with sexual topics: Preliminary review, current direction and anticipated results</td>
<td>Molly Rose Wilson, University of Wyoming</td>
<td>ED Annex 211</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Que luchan por su intereses (To fight for your interests): Using Photovoice to Engage and Empower Newcomer Immigrant Students and Parents</td>
<td>Kevin Roxas, University of Wyoming, Kent Becker, University of Wyoming, Maria Gabriel, University of Wyoming</td>
<td>ED Annex 308</td>
</tr>
<tr>
<td></td>
<td>Radical constructivist grounded theory: A hybrid epistemology</td>
<td>Shashidhar Belbase, University of Wyoming</td>
<td>ED Annex 318</td>
</tr>
</tbody>
</table>

Feature Article

PDF Amphibian and Reptile Inventory and Monitoring Grand Teton and Yellowstone National Parks, 2001
Debra Patia

Front Matter

PDF Front Matter and Table of Contents
Henry J. Harlow and Maryanne Harlow

Grand Teton National Park Reports

PDF GTNP Breeding Bird Monitoring Project 2001 Season
M. L. Cody
PDF Evaluation of Limiting Nutrients and Trophic State For Selected
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**Library and Information Science**

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