2007

Changing nature of academic librarianship: Implementing a distributed institutional repository

Jeremy R. Garritano

Purdue University, jgarrita@umd.edu

Follow this and additional works at: http://docs.lib.purdue.edu/lib_fspres

Part of the Library and Information Science Commons

Recommended Citation

http://docs.lib.purdue.edu/lib_fspres/27

This document has been made available through Purdue e-Pubs, a service of the Purdue University Libraries. Please contact epubs@purdue.edu for additional information.
Changing Nature of Academic Librarianship: Implementing a Distributed Institutional Repository

Jeremy Garritano
jgarrita@purdue.edu
(765) 496-7279
Chemical Information Specialist
Today’s talk

• Philosophy/Rationale
• Concept of Purdue e-Scholar
• New Positions: Created/Modified
• Existing Positions: Adapting
• Success and Challenges
• Future
"published" research, traditional
unpublished research, non-traditional
published research, traditional
secondary, tertiary resources

currently many attempts to data mine to uncover data...

metadata curation profiles for data (i.e., data repositories) allow forward/backward movement through scholarly communication process

Source: D. Scott Brandt, Purdue University
Concept: Distributed Institutional Repository (DIR)
The Human Side of Purdue e-Scholar

• New positions created/modified
  – Associate Dean for Research
  – Interdisciplinary Research Librarian
  – e-Scholar Coordinator

• Existing positions adapting
  – Subject/Liaison Librarians
Associate Dean for Research (ADR)

• Meant to level the playing field

• Looks at the bigger picture
  – Internal and external research efforts

• Coordinates sponsored research activities
  – Plays “match maker”
ADR Efforts

• Initiating a broader conversation

• Helping with their information problems—access, sharing, preservation…what?

• Selling point: Problem Solving Approach

• Emphasizing *Access and Sharing* in addition to *Archiving and Preservation*
ADR Results

• Raising awareness
• Initiating buy-in at highest levels
• e-Scholar can be customer driven
• Efforts trickle down to liaison librarians

• Can create too much interest
• May take time to solve some problems
e-Scholar Coordinator

• 65% / 35% Mgmt Reference Librarian
• Administrative professional position
• Coordinates day to day input into e-Pubs
e-Scholar Coordinator Efforts

• Working closely with liaison librarians

• Gathering information for creation of:
  – Communities
  – Document series
  – Metadata fields
e-Scholar Coordinator Results

• Helping liaison librarians understand e-Pubs
• Training non-Libraries staff to upload docs

• Split between two areas of responsibility
• Still relying on IT for certain functions
• Struggling with lack of policies
Interdisciplinary Research Librarian (IRL)

- Previously Systems Librarian
- Recently received MLS
- Combining technical expertise with library science to solve information problems
- Liaison to Discovery Park—collection of research centers
IRL Efforts

• Coordinating e-Data efforts
• Working closely with research groups
• Building linkages between e-Scholar components
• Submitting grant proposals
IRL Results

• Initiating e-Scholar services: SRU, batch loads of information
• Helping bridge gap in technical expertise
• Solving problems related to electronic theses and dissertations (ETD)

• Only one person—high demand for services
• Can only take conversation so far in terms of subject expertise
SRU: a web service
Search & Retrieve via URL

http://sru.lib.purdue.edu/sru?version=1.1&operation=searchRetreive&creator=chan

A person using a web browser sends a URL with the search criteria embedded in it to the SRU web service. The web service parses the URL into operations and key/value pairs, queries the metadata repository, and returns the results as XML. A style sheet can be included to present the results in a web browser. SRU can also be used for machine-to-machine communication to create data feeds.

Darcy Bullock
Professor and Assistant Head, Graduate Programs

Address
Purdue University
School of Civil Engineering
550 Stadium Mall Drive
West Lafayette, IN 47907-2051

Phone  (765) 494-2226
Fax      (765) 496-7996
Email    darcy@purdue.edu
Office   CIVL 4152

Education
Ph.D., Carnegie Mellon University
M.S.C.E., Carnegie Mellon University
B.S.C.E., University of Vermont

- Personal Homepage
- Dissertations Advised
- Civil Engineering Dissertations
Subject/Liaison Librarians

• ~34 librarians, spread across 15 libraries
• Faculty, tenure track
• Varying numbers of faculty responsibility
• Collection development, instruction, reference, etc.
Subject/Liaison Librarian Efforts

- Identifying departments or groups to approach
- Identifying publications/data to target
- Helping e-Scholar Coordinator develop document series, metadata, etc.
- Submitting grant proposals
Subject/Liaison Librarian Results

- Developing new/renewed relationships with academic departments
- Convincing some academic departments to devote staff to e-Scholar efforts
- More involved with Technical Services and IT
- Varying amounts of interest
- Can only take conversation so far in terms of technical skill/problem solving
Changing Nature of Academic Librarianship

Outside Comfort Zone

Books, Journals
Reference Desk
Chemistry Library

EndNote, Comp. Software
Instruction/Outreach
Classrooms, Labs

Skills, Competencies

Data, Internal Publications
Sponsored Research
Embedded in Research Groups/Centers

Skills, Competencies?

Academic Librarianship over time
Efforts in Chemistry / Chem Eng

- Chemical Engineering
  - Strong supporters of librarian involvement in organizing/archiving data
  - Providing input on system which curates data from sensors and "links" with document information in archive

- CASPiE (Center for Authentic Science Practice in Education)
  - Undergraduate students collecting data from remote instruments
  - Want to explore how to help organize data files for storage and retrieval
General Success

• Focus on problem solving
• Focus on additional services
  – Access and sharing
  – Linking to info from outside e-Scholar (SRU)
• Bring library science skills to the table
• Pursue research Centers and Institutes
Future Directions

• Involve more departments across campus

• Creation of critical mass to maximize services between components

• Formation of e-Pubs Taskforce to create policy recommendations

• Pursuing grants / sponsored funding

• Formation of D2C2 (Distributed Data Curation Center)
  – http://d2c2.lib.purdue.edu
Acknowledgements

• D. Scott Brandt, Associate Dean of Research
• Mary Dugan, e-Scholar Coordinator
• Michael Witt, Interdisciplinary Research Librarian
• Michael Fosmire, Head, Physical Science, Engineering, and Technology Division
Thank you.

Questions?