Building, growing and maintaining institutional repositories

Jere Odell
Scholarly Communications Librarian
IUPUI University Library

October 20, 2014
Michiana Scholarly Communication Librarianship Conference
IUSB

This work is licensed by the author under a Creative Commons Attribution-ShareAlike 4.0 International License.
Outline

• Key Questions (Why? What? How? Who?)
• IUPUI ScholarWorks: A Tale of 8.5 Repositories
• Recent Strategies and Service Models
• Next Steps at IUPUI
Key Question

Institutional Repository Service

WHY?

Why is this a service that your library wants to support?
(“vision?” and “mission?”)
Institutional Repository Service?

Why is this a service that your library wants to support?

OR

Why do you want to provide this service?
IUPUI ScholarWorks: A Tale of 8.5 Repository Services
IUPUI Digital Scholarship Collections

**CONTENTdm:** 86 collections (mostly images & newspapers): 430,000 items
- Community Collections
- IUPUI Archives

**Open Journal Systems:** 1 installation
- 12 journals
- 17,000 articles

**DSpace:** 4 installations; 10,222 records
- IUPUI eArchives: [https://archives.iupui.edu/](https://archives.iupui.edu/) - 4,729 records
- IUPUI DataWorks: [https://dataworks.iupui.edu/](https://dataworks.iupui.edu/) - 3 records
- FOLIO (Foundation Literature Online): [https://folio.iupui.edu/](https://folio.iupui.edu/) - 1,069 records
- IUPUI ScholarWorks: [https://scholarworks.iupui.edu/](https://scholarworks.iupui.edu/) - 4,421 records
IR #1: The Experiment

November 2002

MIT & HP Labs released the first open source version of DSpace

Dspace logo: http://www.dspace.org/
IR #1: The IUPUI Experiment

August 2003

IUPUI uploaded the first of 7 items to IDeA (IUPUI Digital Archive)

IR #2: Historical Collections [1,497]

2005 -
• Opinions of the Attorney General of Indiana (public domain) - 49 items
• Indiana Geographic Information Council (publisher's permission) – 92 items
2005 - 2007
• Indiana Libraries (publisher's permission) – 397 items
2006 - 2008
• Bioethics works (public domain or permission) - 394 items
2007
• Indiana Eugenics History (public domain) – 25 items
2009 -
• Indiana Public Health Historic Collections (public domain) – 362 items
2012 –
Newsletters, Geography Educators' Network of Indiana – 178 items
IR #3 Conference Proceedings [171]

2005 - 2006
• Midwest Research-to-Practice Conference (publisher's permission) – 134 items

2007 –
• IU/Moi U Partnership (authors’ permission) – 37 items
2003 Midwest Research to Practice Conference in Adult, Continuing, and Community Education

Calculating, Interpreting, and Reporting Cronbach’s Alpha Reliability Coefficient for Likert-Type Scales

Joseph A. Gliem
Rosemary R. Gliem

Abstract: The purpose of this paper is to show why single-item questions pertaining to a construct are not reliable and should not be used in drawing conclusions. By comparing the reliability of a summated,
IR #4: Student Works [1,260]

2005 –
• Informatics ETDs – 114 items

2006 –
• Graduate School ETDs – 1,146 items
IR #5: Learning Objects [134]

2011
K-12 Educational Resources (IUPUI faculty authors) – 12 items

2012 - 2013
• Geography Educators' Network of Indiana – 50 items
• Indiana Farm Security Administration Photographs (Curriculum Materials) – 72 items
IR #6: Faculty Author’s Rights Tool

2009? -

ADDENDUM TO PUBLICATION AGREEMENTS FOR CIC® AUTHORS

This ADDENDUM hereby modifies and supplements the attached Publication Agreement between:

Corresponding Author

Additional Authors (if any)

AND

Publisher

Related to Manuscript titled

To appear in Journal, Anthology, or Collection titled

PUBLISHER AND AUTHOR AGREE THAT WHERE THERE ARE CONFLICTING TERMS BETWEEN THE

Committee on Institutional Cooperation - https://www.cic.net/
IR #7: Publisher’s Permission for Faculty Works

IUPUI Faculty Scholarship

- Designed to take the burden off our faculty members when placing items in our institutional repository.
  - Take publication list from faculty member’s CV
  - Run publishers through SHERPA/RoMEO [http://www.sherpa.ac.uk/romeo/]
  - Receive permission from faculty member
  - Contact publisher if necessary
  - Obtain correct version of article
  - Publish to IUPUI ScholarWorks in appropriate school/department collection.

- Drupal (open source content management system)
  - Allows for automated emails to faculty and publishers
  - Allows for creation/tracking of forms and license agreements
  - Allows for record keeping
  - Allows for status updates

- Training existing staff members on emerging technologies.
  - Acquisitions
  - BAMS (Bibliographic and Metadata Services)

- [http://www.ulib.iupui.edu/projects/](http://www.ulib.iupui.edu/projects/)

OASIS
2010 – 2011

60 items

Cheryl B. Truesdell, Kimberly Thompson, and Sherri Michaels (2010). *Raising the Profile of IU Scholarship: Institutional Repositories (and more) at IU.*
Presented at Statewide IT Conference 2010, Bloomington, IN.
[http://opus.ipfw.edu/lib_facpres/22](http://opus.ipfw.edu/lib_facpres/22)
IR #7.5: Faculty Articles: Incentives before Process

2013 -

700+ items

IR #8: Open Access Policy Support

IUPUI Library Faculty Deposit Mandate

On April 5, 2009, IUPUI Library Faculty Council passed the IUPUI Library Faculty Deposit Mandate. The text of this mandate appears below. To view IUPUI Library Faculty research visit: https://scholarworks.iupui.edu/handle/1805/26

IUPUI Library Faculty Deposit Mandate

The IUPUI Library Faculty is committed to disseminating the fruits of its research and scholarship as widely as possible. In keeping with that commitment, the IUPUI Library Faculty adopts the following policy:

DEPOSIT MANDATE. To assist the University in providing open access to all scholarly articles published by the

IUPUI Library Faculty Council. April 5, 2009:
http://www.ulib.iupui.edu/OAMandate
IR #8.5 IUPUI Open Access Policy Support

October 7, 2014


Open Access
Circular 2014-10

FULL POLICY CONTENTS

Scope
Policy Statement
Reason for Policy
FACE
Definitions

Effective: October 7, 2014, by the IUPUI Faculty Council
Last Updated:

Faculty Council Committee:
Library Affairs

Policy Contact:
Angela Bruzzaniti, Chair
abruzzaniti@iupui.edu
Key Question

_Institutional Repository Service_

**WHY?**

Why is this a service that your library wants to support?

(“vision?” and “mission?”)
Key Question

Institutional Repository Service

WHY?

Of the many IR-related services that you might offer, which service best supports your reason for existence?

- Campus archives
- Conferences & events
- Data
- Educational resources (learning objects, curricula, etc)
- Faculty works
- Historical, cultural and public domain materials
- Journal archives
- Student works (Capstones, ETDs, etc)
- and ......
What is the purpose of a digital repository?

- Addresses faculty needs in the digital environment for providing an easy to use, low cost system to enhance and broaden access to scholarly materials.

- Provides functional support to collect, preserve, index, and distribute digital scholarly content.

Slide reproduced from:
IUPUI ScholarWorks

WHY?
Increase the culture of open access to faculty scholarship at IUPUI

WHAT?
Scholarly articles

Goals:
2014: Campus-wide Open Access Policy Adoption
2014: 1,000 new items in 2014
2015: 30% of annually published articles (~ 750)
2017: 60% of annually published articles (~ 1,500)
Key Question

_Institutional Repository Service_

**HOW?**

How do your mission and goals inform the delivery of your IR-related services?
Features of our Recent Strategy

1. Build relationships: customer service, one person at a time
3. Reduce barriers
4. Stay on the message: “It’s good for you; it’s easy.”
Lowering the Hurdles at IUPUI

1. Busy librarians:
   IUPUI hired a Scholarly Communications Librarian, 2013 (Thank you! 😊)

2. Faculty are “too busy”:
   - We do almost all of the work for faculty (permission required, manuscripts optional)
   - Prioritize “easy-to-archive” items (copyrights, recent publications)
Lowering the Hurdles at IUPUI

3. Inconsistent messages from librarians:
   - Workshop: “Self-archive: it’s good for you; it’s easy.”
   - Model the message for liaisons
   - Rinse and repeat

4. Library perfectionism:
   - Authors and readers first;
   - Databases, vocabularies, records & minutiae later

5. Author perfectionism (page #s, copyediting)
   - Stay focused on the incentives (readers, citations, downloads)
   - Move on

6. Faculty misconceptions (Gold OA, P&T, plagiarism, coauthors, editors ...)
   - Educate
   - Move on
IUPUI ScholarWorks: Building Relationships

Exemplars & Early Adopters
- VIP service
- Retrospective archiving
- Attractive manuscript formats
- Contact at first notice of a publication
- Permission letters for chapters and other works
- Google Scholar citation profiles
- Email reports about downloads and web-views
- Library love

Goals:
- 6 exemplars by 2014
- 1 early adopter for every IUPUI school by 2015
IUPUI ScholarWorks: Exemplar Story

Peter H. Schwartz, MD, PhD
Assistant Professor of Philosophy
Assistant Professor of Medicine

Faculty profile page links to ScholarWorks items: http://bioethics.iu.edu/schwartz

Items in ScholarWorks: 10

2,675 downloads (Jan 1, 2010 to the present)
10 Items uploaded to IUPUI ScholarWorks (October 11, 2013):

Viewed: 578 times
Downloaded: 383 times
Department of English
36,000 downloads in 3 years
IR #7.5: Faculty Articles: Incentives before Process

2013 -

700+ items
Is this working?
Next Steps for IUPUI ScholarWorks

- Implement the IUPUI Open Access Policy (outreach & systems)
- Build on relationships (snow ball)
- Systematic outreach program (departments, centers)
- Author-focused, home page design
- Incentives:
  - improved statistics reporting
  - altmetrics
- GoogleScholar SEO
Faculty Attitudes Survey 2013
Survey instrument & recruitment

• **Recruitment**: Fall 2013 online survey; sent to all faculty by email (twice).

• **Instrument**:
  - **Scope**: Scholarly Communications (publishing, peer review, promotion and tenure, and more)
  - IRB exempt
  - Adapted and delivered with REDCap, Indiana CTSI ([https://redcap.uits.iu.edu/](https://redcap.uits.iu.edu/))
  - 126 fields; ~ 20 minutes to complete

• **Responses**:
  - 337 entered; 247 completed
  - Raw response rate: 11% (337/3079)
Survey response rate

• Excluded: 52 respondents (by rank, by request or because they didn’t complete the demographic questions)

• 215 eligible respondents completed entire survey

• 71 eligible respondents completed a portion

• Achieved sample: 18% (14% for complete survey)
  • Toronto: 16% of population
  • California: 13% of population
Self-archiving at IUPUI 2013

Practices

- **Health Sciences**: 46.7%
- **Humanities**: 32.8%
- **Physical & Technical Sciences**: 20.0%
- **Social Sciences**: 21.6%

* Excluded responses from 9 librarians
University Open Access Policies

Aware of Harvard-style open access policies?

* Excluded responses from 9 librarians
In favor of pursuing an open access policy?

- **California (2006):**
  - 25% Aware of OA policies
  - 47% In favor of adopting

- **Toronto (2010):**
  - 30% Aware of OA policies
  - 67% In favor of adopting

- **IUPUI (2013):**
  - 28% Aware of OA policies
  - 39% In favor of adopting


Creative Commons – Attribution (CC BY 3.0) Indianapolis designed by Megan Disselkamp from [http://thenounproject.com](http://thenounproject.com)

* Excluded responses from 9 librarians
Should IUPUI adopt an open access policy?

![Bar chart showing responses to the question: Should IUPUI adopt an open access policy?]

- **Yes**: 11.90%
- **Agree**: 28.40%
- **Unsure**: 50%
- **Disagree**: 4.60%
- **Strongly Disagree**: 5.10%

Spring 2015
Jere Odell
jdodell@iupui.edu