IDeA
IUPUI Digital Archive

Implementing an Institutional Repository at IUPUI: A Good IDeA

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Objectives for today

- Discuss changing landscape of scholarly communication and its effect on academic libraries

- Describe how IDeA came into existence

- Outline IDeA policy development and how policies have evolved

- Describe current and future projects

- Answer any questions you might have

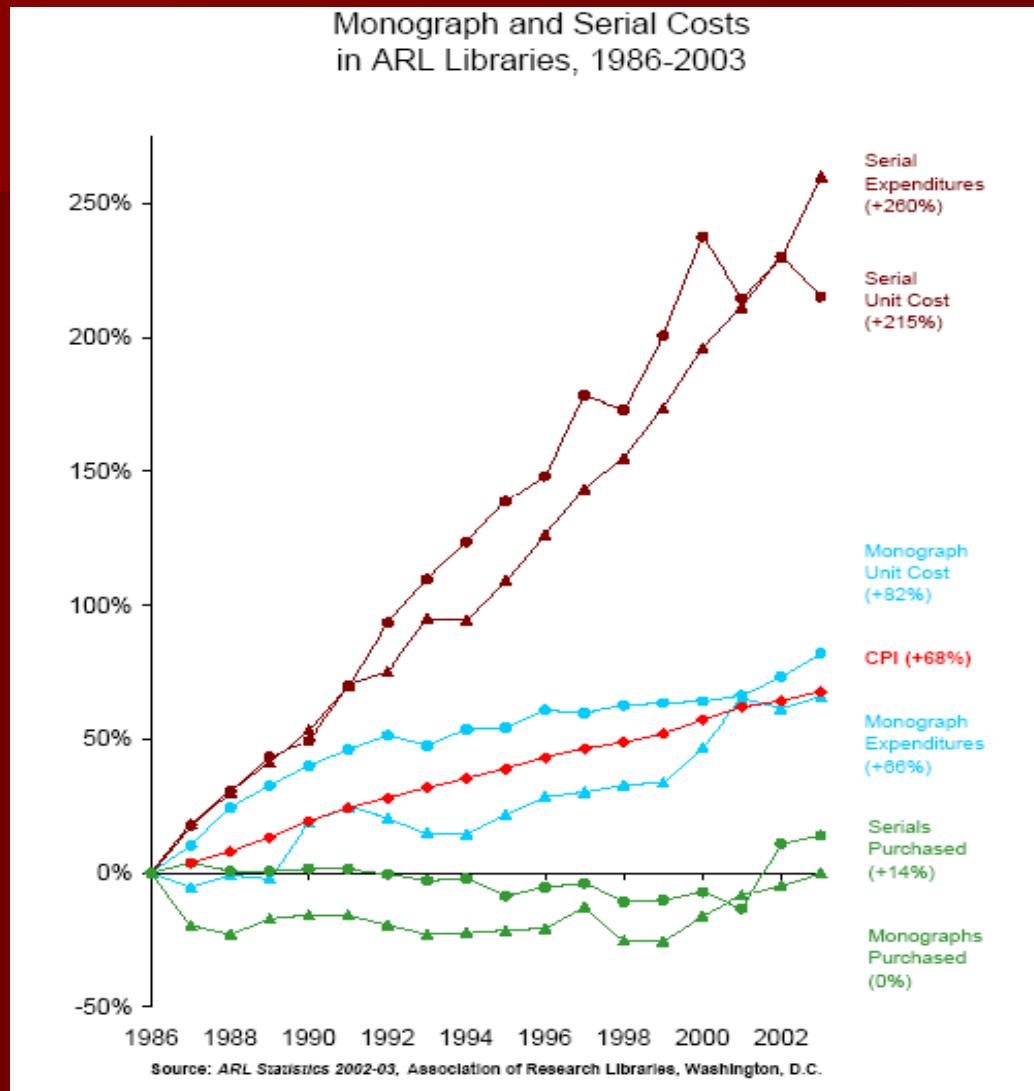# Why all of these changes in scholarly communication?

More specifically, why start an institutional repository?

Evolving technology and the changing needs of scholars are meeting an increasingly problematic publishing landscape and shrinking library budgets.

New Challenges

- Copyright restrictions in online environment
- New formats not supported by traditional print publishing
- Speed of research cycle
- Public demand for access to tax-payer funded research
- Journal bundling and pricing increases paired with cuts in library budgets

Illustration of Journal Crisis

Monograph and Serial Costs
in ARL Libraries, 1986-2003

Serial Expenditures (+260%)
Serial Unit Cost (+215%)
Monograph Unit Cost (+82%)
CPI (+68%)
Monograph Expenditures (+66%)
Serials Purchased (+14%)
Monographs Purchased (0%)

Source: ARL Statistics 2002-03, Association of Research Libraries, Washington, D.C.

Statistics available at: http://www.arl.org/stats/arlstat/graphs/2003/monser03.pdf

New Technologies

- Ability to preserve and display new types of scholarship media
- Indexing and Googling
- Instantaneous publishing
- Preference toward online research by scholars
- Open source software

Open Access Avenues

"There are two roads to OA: the "golden" road (publish your article in an OA journal) and the "green" road (publish your article in a non-OA journal but also self-archive it in an OA archive). Only 5% of journals are gold, but over 90% are already green (i.e., they have given their authors the green light to self-archive); yet only about 10-20% of articles have been self-archived."

Harnad, S., Brody, T., Vallieres, F., Carr, L., Hitchcock, S., Gingras, Y, Oppenheim, C., Stamerjohanns, H., & Hilf, E. (2004) The Access/Impact Problem and the Green and Gold Roads to Open Access. *Serials Review* 30 (4) 2004
http://www.ecs.soton.ac.uk/%7Eharnad/Temp/impact.html

Benefits of the IR Avenue

- Provide functional support to collect, preserve, index, and distribute digital scholarly content
- Effective at "branding" universities' scholarly output
- Consolidate university's scholarly materials in one place
- Encourage campus units and faculty to begin thinking about scholarly communication differently
- Make scholarly material available to worldwide audience
- Long-term goal: decrease cost of accessing scholarly materials
- Preservation of material in perpetuity

The beginning of IDeA

- IUPUI University Library's culture of experimentation
- Task Force convened
  - Overview of major components
  - Identification and examination of open source products
  - Trends in faculty attitudes

Why DSpace?

- Cost
- Documentation
- Pedigree of product (creators and users)
- Scalability and flexibility
- Open source
- Long–term preservation for a variety of formats
- Use of recognized description standards (Dublin Core & controlled vocabularies)
- Indexed by Google
- Persistent network identifiers
- "Community" has control over content, NOT "the library"

Steps in implementation

- Gathering people and skill sets
  - Early adopters
  - Network and programming expertise
- Gathering hardware and additional application software needed
- Customization
- Testing and garnering submissions
  - ONGOING

Projects of Note

The Good, The Bad, The Ugly and The Intriguing

The Ugly

- POLIS
  - Lack of Commitment
  - Technical Issues
- Learning Objects
  - Lack of Commitment
  - Technical Issues
- School of New Media
  - Technical Issues

The Bad

- School of Informatics
  - Doesn't use recommended file type
  - Poor metadata

The Good

- **Midwest Research to Practice Conference**
  - Ideal community
    - Vets proposals
    - Workflow has been stable for 3 years
    - Good metadata

The Intriguing

- Umbrella (Periodical)
- Electronic Theses and Dissertations
- Policy Archive
  - Manakin

Questions?