REPOSITORY SERVICES FOR STUDENTS, FACULTY, AND RESEARCH ADMINISTRATION

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OUTLINES

• The Comprehensive Service Program at the exploratory phase of the WSU institutional repository development
• The questions we asked ourselves
• The institutional repository service offering for students, faculty, and university administration
• The Selective (Focused) Service Program as a new phase of the WSU institutional repository service development
• Conclusion
INTRODUCTION

• This presentation is about a change in a service development strategy
• The exploratory phase of the IR has been completed
• The library had a choice: to increase status of this service (e.g. create a unit; add resources); to keep it unchanged, or to decrease it
• For an IR librarian, the end of an exploratory phase means search for a new strategy of the IR service development
THE COMPREHENSIVE SERVICE PROGRAM

- Is based on the notion that an IR is a set of services, many of a technical nature.
- Service unit(s) (libraries; may partner with the Office of Research Administration and University Computing), supplies a database, help with metadata & customer service.
- Faculty authors use the IR as they decide. Communities, e.g., dept. are responsible for content & submission.
- A service development strategy is for a university-wide group, often the IR or Scholarly Communication Advisory Committee.

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THE COMPREHENSIVE SERVICE PROGRAM (CONT.)

- Is based on the original idea of an IR:

  “IRs are partly linked to the notion of digital interoperability, which is in turn linked to the Open Archives Initiative (OAI) and its Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH). The OAI in turn had its roots in the notion of a "Universal Preprint Service," since superseded by the open access movement. “ (Wikipedia)

The result: an inclusive (comprehensive) collection development policy, which from the beginning of an IR development requires an exploration of the needs in the repository services of all major university groups

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The questions we asked ourselves:

• Why do students need the institutional repository?

• Why do faculty need the institutional repository?

• Why does university administration need the institutional repository?
REPOSITORY SERVICES
FOR STUDENTS

GOALS: EVIDENCE OF PROFESSIONALISM;
BUILDING PORTFOLIO FOR PROSPECTIVE EMPLOYERS

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WHY STUDENTS NEED
THE INSTITUTIONAL REPOSITORY

• Some observations:
  • Graduate students are the heavy users of research authored or advised by their professors
  • Students need to establish their reputation as researchers so they need to have publications
  • Current students are more open toward online publications and Open Access scholarship than previous generations; they are pleased to see their work published by their alma mater university; they often link their pages to publications in the IR
  • Students need to build portfolio to present it to perspective employers

Publications in the institutional repository approved by professors and the authoritative committees are evidence of student learning; the product of the university’s teaching
WE DEVELOPED: ETD PROGRAM

• Especially important documents are theses & dissertations (ETDs)
• The ETD program is a collaboration of the Graduate School and the Library
• Workflow distributed between the Graduate School and the Library’s TS
• Workflow in TS: manual input or bulk import depends on the number of ETDs (3 loads per year)
• Transfer from SOAR/DSpace to OCLC/Voyager see details at one of previous presentations
  http://soar.wichita.edu/dspace/handle/10057/1573 (Deng, et al)
• ETD is a collection of the Graduate School
• Mapping ETD to Dept. and College collections for easy linking by the appropriate colleges & departments

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WE DEVELOPED: ETD PROGRAM (CONT.)

- **ETD became a new worldwide standard**
- Mandated deposit of ETD: register your mandate at: [http://roamap.eprints.org/](http://roamap.eprints.org/)
- ETD in WorldCat
- ETD in the [Networked Library of Theses & Dissertations (Union Archives): list of submitters](http://roamap.eprints.org/)
- ETD in [ProQuest](http://roamap.eprints.org/)
  - Why the Graduate School stopped using ProQuest
  - Why we may go back to ProQuest
  - ProQuest Open Access option ETD Administrator submission system: [www.etdadmin.com](http://www.etdadmin.com)
- **U.S. and International ETD Associations and Conferences**
PROCEEDINGS, JOURNALS, PROJECTS, POSTERS, CREATIVE WORKS

• Series, series, series … Why series is good:
  • Regular submissions
  • Established policies
  • Relationships with the appropriate units on campus
  • Established metadata prototypes
  • Established workflow

• Example: GRASP proceedings – stable annual conference vs. Master’s projects – voluntary submission; no stability

• Self-submission vs mediated submission (completeness, regularity, & quality)
COLLABORATIVE NATURE OF SERVICES FOR STUDENTS: THE INVOLVEMENT OF FACULTY & ADMINISTRATION

- Students’ publications must be sponsored by faculty.
- The ETD Program, student journals & proceedings, projects and forums are collaborative library services for Graduate School, Research Administration, and Colleges / Departments.
- The results: increased visibility of student’s research; evidence of faculty work & the university products, ready for assessment.
- Also: increase in the library’s visibility and evidence of the library’s ability to provide an innovative service.

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REPOSITORY SERVICES FOR FACULTY

GOALS: VISIBILITY OF RESEARCH; INCREASE CITATIONS; STORAGE & AVAILABILITY OF WORKS

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WHY FACULTY NEED THE INSTITUTIONAL REPOSITORY

- To increase usage and citations of their works
- To publish manuscripts that cannot be published by traditional publishers
- Platform (hardware, software system, networking services, secure online environment, storage space) for any work, (cheaper to publish in their university than outsource)
- Services (processing, file conversion, scanning, metadata, migration, backup, preservation)
I. DISSEMINATION OF FACULTY PUBLISHED RESEARCH

VIA AN IR THAT OTHER SCHOLARS CAN FIND THEM IN GOOGLE, BING, YAHOO, AND OTHER SEARCH ENGINES AS WELL IN WORLDWIDE NETWORK OF RESEARCH REPOSITORIES.

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TWO TYPES OF FACULTY COLLECTIONS

Dept./College collections of faculty publications

To create departmental collections, we search the Web & databases, e.g. WOS, IEEE, PubMed, ArXive, or Google Scholar for WSU authors

Examples: [http://tinyurl.com/7fysu8n](http://tinyurl.com/7fysu8n)
[http://tinyurl.com/8xsvp2z](http://tinyurl.com/8xsvp2z)
[http://tinyurl.com/c9j6bs](http://tinyurl.com/c9j6bs)

Individual faculty collection: Selected Works

- To create individual collection, we need to work with authors

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1.. DEPARTMENTAL COLLECTION HOME PAGE (GENERIC) NO NEEDS TO WORK WITH AUTHORS

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1-1. DEPARTMENTAL COLLECTION HOME PAGE (WITH AN INTRODUCTORY TEXT AND PICTURE) - WORK WITH DEPT. CHAIR

IF DEPT. CHAIR (OR SOMEBODY SHE/HE CHARGE WITH THIS TASK) PROVIDES AN INTRODUCTORY TEXT AND LOGO OR PICTURE, WE WILL HAVE MORE INFORMATIVE DEPT. HOME PAGE IN SOAR
2. INDIVIDUAL FACULTY COLLECTIONS, E.G. SELECTED WORKS

WE CAN CREATE INDIVIDUAL FACULTY COLLECTIONS, E.G. SELECTED WORKS IF WE WORK WITH YOU DIRECTLY (WE CAN BUILD A HOME PAGE FOR YOU IN SOAR AND IF YOU PROVIDE THEM, WE CAN ADD YOUR PICTURE AND BIO.)

Professor Gary H. Toops received his Ph.D. in Russian and Slavic linguistics and early Slavic literature from Yale University in 1985. Since 1977, he has periodically received formal training in Russian at the Leningrad (i.e., St. Petersburg), Moscow, and Petrozavodsk State Universities. He has been teaching at Wichita State University since 1989. His research interests include questions of syntax and morphosemantics of the verb in Bulgarian, Czech, German, Latvian, Lithuanian, Russian, and Upper Sorbian. For more information see Dr. Toops's website.
2-1. INDIVIDUAL COLLECTION CAN BE STRUCTURED, E.G. ARTICLES; CONFERENCE PAPERS, ETC.
Sub-communities within this community

**Books** [82]

Collections in this community

**Articles and Book Chapters** [4]

**Talks and Presentations** [8]

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**Books** [82]

Collections in this community

**From Earth's Bedchamber** [51]

**He wants to marry me again and other stories** [13]

**In Her Own Voice: Agnes Okafor Tells Her Stories** [16]

**It grows in winter and other poems** [1]

**The New Toyi Toyi** [1]

2-2. INDIVIDUAL COLLECTION; MORE COMPLEX STRUCTURE

Chinyere G. Okafor

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C. DEPT. & INDIVIDUAL FACULTY COLLECTIONS. WORK CAN BE MAPPED TO 2 OR MORE COLLECTIONS

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3. PERSISTENT IDENTIFIER OF FACULTY WORK IN THE IR

PERSISTENT IDENTIFIER IS A UNIQUE STABLE EASY DISCOVERABLE WEB ADDRESS FOR EACH WORK

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4. **Submission services**: We submit publications for faculty into the repository.

5. **Metadata/cataloging services**: We enrich the information for each publication in SOAR to make it more visible and discoverable on the Web.

   - **Short record view**: author(s), title, abstract, description, links (incl. DOI), date of publication.
   - **Complete record view**: all above + publisher, citation, copyright information, keywords, additional identifiers (ISSN, WOS, etc.)
6. **Preparation of digital file for dissemination**: We perform a quality check of the digital copy of the work and prepare files before we upload them to SOAR

- **Textual files**: conversion to Adobe Acrobat; addition of embedded properties; technical editing if needed for quality and Web fast view;
  - addition of a **cover page** with information on author(s), title, full citation, rights, and permanent URL in the IR;
- scanning if needed;
- **special presentation feature in SOAR**: Scribd viewer including book view with turning pages; zooming; and full text searching.
PROCESSING AND ACCESS SERVICES (CONT.)

- **Image files**: can include consultations; evaluation; recommendations; conversion; editing; scanning; **special presentation feature in SOAR**: image zoom

- **Video files**: can include consultations; evaluation; conversion (basic); no editing; **special presentation feature in SOAR**: audio-video streaming

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We check publishers’ copyright policies via Sherpa-Romeo database, publishers’ and journals’ websites; if needed, we communicate to publishers directly on author’s behalf asking for permission to enter full text of his/her work to SOAR. We provide access to full text of publication when permitted (Open Access publications; publishers’ permissions). If we do not have permission to post full text of publication on SOAR, we can make it accessible to the WSU community via a DOI or other link to the article.
CONSULTANCY, TRAINING & MARKETING

8. **Consultations** on bibliographic description (metadata), copyright, Open Access and author’s rights; e-publishing, SOAR workflow options, and other questions related to the institutional repository services

9. **Training** on self-submission

10. **Presentations** on request of faculty, dept. and colleges, or university’s committees

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II. PUBLISHING SERVICES

E-JOURNALS, PROCEEDINGS, E-BOOKS

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We have the ability to work with WSU journal editors to publish journals on the condition that editorial work and peer reviews (if required) is done before the journal is submitted to the library. Right management processes handling can be negotiated with the editor. We will perform quality control and apply submission services as listed above. Each article and the whole volume will have separate records to make them easily findable. Example: Lambda Alpha Journal

http://soar.wichita.edu/dspace/handle/10057/782
We have the ability to publish WSU conference proceedings. Editorial work must be done before the volume is submitted to the library. Right management processes handling can be negotiated with the editor. Example: GRASP Proceedings
http://soar.wichita.edu/dspace/handle/10057/70
We have the ability to publish e-books. Examples: 

Made for Trade by Evelyn Payne Hatcher: 
http://soar.wichita.edu/dspace/handle/10057/1999

He wants to marry me and other stories by Chinyere G. Okafor: 
http://soar.wichita.edu/dspace/handle/10057/1909

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III. DIGITIZATION SERVICES

SCANNING & DIGITAL IMAGING

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DIGITIZATION SERVICES

• We have the ability to digitize textual and image materials on demand:
  • for special projects, e.g. Virtual Herbarium, Wichita State University Course Catalog Online
  • to complete a series, e.g. historical volumes of a journal (we digitized all historical volumes of Lambda Alpha Journal from 1964-2005)

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IV. RESEARCH DATA MANAGEMENT

A NEW "HOT" TOPIC
RESEARCH DATA STORAGE & ACCESS

- Repositories increasingly collect research data to fulfill requirement of funders, e.g. NSF, NIH, and others.
- Large research libraries hire data librarians and develop services helping researchers with DMP (e.g.: http://dataconservancy.org/education/data-management-planning/)
- We conducted a survey to learn more about researchers' needs for data management
- Survey results show that researchers' need help with data management (storage, file variants, naming conventions, metadata)

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RESEARCH DATA MANAGEMENT

THE TABLE FROM A SURVEY OF WSU GRANT HOLDERS
REPOSITORY SERVICES FOR ADMINISTRATION

EXTERNAL: REPUTATION, REPORTING; FUNDERS’ REQUIREMENTS
INTERNAL USE: ASSESSMENT, REVIEW, EVALUATION

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WHAT DO ADMINISTRATION WANT?

- Well organized data on faculty research for evaluation & assessment of academic programs and individual faculty
  - Data collected annually in departments (FARs) -- Sent to the Deans -- Reported to Provost -- state and national agencies: it is a long, labor intensive process
- Well organized “evidence” of faculty research (some version of the university level of a “supplemental file”) to represent “institutional brand”
COMPARE THESE NEEDS IN INTEGRATION TO THE CURRENT UNIVERSITY INFORMATION ENVIRONMENT

• Faculty, students, units, offices, incl. library create / purchase /licensed websites / systems for digital scholarship & its management
  • Ex.: AAPG Digital Products Library (subscr. Dept. of Geology)
  • CHP Publications, Presentations, & Grants (using EndNote Web)
  • Faculty Research Showcase - created by University Libraries

THESE EFFORTS ARE VERY OFTEN UNSTABLE; MANY DO NOT UPDATED BY YEARS BEING CREATED FOR A PARTICULAR EVENT (e.g. accreditation) or BY ADMINISTRATOR (abandoned after s/he left the institution)

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NOTE: THE IR & UNIVERSITY ADMINISTRATION NEEDS MATCH!!

- Administration need
  Well organized data on university research on university level

- The IR collects, organizes, & provides access to university scholarship. As library service, the IR has the university-wide focus

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WHAT ABOUT A COMPREHENSIVE SERVICE OFFERING THE LIBRARY EXPLORED?
NOT AT THIS TIME

• **Comprehensive repository services are possible if**
• Provost treats an IR as his/her priority (not likely)
• The Univ. participates in Open Access (it is not)
• Library invests in an IR marketing (it is not)
• Library provides customer support and training of admin. staff & student assist. in University Depts. (they will submit works on behalf of faculty) (it is not)
• IR has a good IT support if Open Source (developer on staff or sufficient funding to outsource) (it is not)
• **Weakness: Need agreement on the Univ. level.**
  Too many elements are beyond control of librarians

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WITH NO SUPPORT OF THE UNIVERSITY, COMPREHENSIVE PROGRAM TO AN IR DEVELOPMENT IS A
WHAT ABOUT ANOTHER STRATEGY TO CONTINUE DEVELOPMENT OF THE IR SERVICE?

• An IR is one of the library collections. Building an IR is like building a special collection; only born digital mostly; and with no rare materials present.

• “IRs are partly linked to the notion of a digital library - i.e., collecting, housing, classifying, cataloguing, curating, preserving, and providing access to digital content, analogous with the library's conventional function of collecting, housing, classifying, curating, preserving and providing access to analog content.” (Wikipedia)
WHAT ABOUT ANOTHER STRATEGY TO CONTINUE DEVELOPMENT OF THE IR SERVICE? (CONT.)

If consider the IR as a special collection...
-- No needs to market / promote the repository
-- No needs to seek support of University administration
-- No needs for Open Access movement on campus
-- Almost no needs for collaboration with faculty and busy librarians from other dept.
-- Can be done with a very limited staffing

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To succeed, one need only:

- A good collection, nice design, easy to use, stable database
THE IR DEVELOPMENT: FOCUSED APPROACH

- Peer reviewed articles? YES
- Research data too? NO
- Unpublished works? On author request only
- Media? On administration request
- Classroom materials too? NO
- Cultural heritage, archival materials? NO
- What about administrative documents? NO
- Special projects? On administration request

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MY 6 PRINCIPLES OF FACULTY COLLECTIONS:

THE IR FOCUSED SERVICE PROGRAM

- Collect major research publications
- For all years you can find
- From all research producing units
- Provide easy access
- With respect to copyright
- Add new works to an IR as soon as possible

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CHART FROM UK RIN AND RLUK: "THE VALUE OF LIBRARIES FOR RESEARCH AND RESEARCHERS" REPORT

CONCLUSION 1: BUILD THE COMPREHENSIVE SERVICE PROGRAM FOR ALL MAJOR GROUPS OF THE UNIVERSITY IF SUPPORT ADEQUATE

• Help **students** to build their portfolio when still at school to present themselves to prospective employers;

• Help **faculty** to disseminate their works, to publish it if they want to, to organize and store their works in a secure stable environment;

• Help **administration** by compiling university research in one database; it may help them with reports, assessment and evaluation of academic programs as well as to present the University to the community, legislature, accreditors, and funders.

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CONCLUSION 2: BUILD THE FOCUSED SERVICE PROGRAM IF SUPPORT LIMITED

- Collect only current faculty research
- Create a full level record (metadata prototype)
- Automate processing as much as possible – put alert to major databases (WOS; IEEE; PubMed; ScienceDirect) and the University affiliated authors
- Provide DOI link instead of devoting time on communication to authors and publishers
- Continue preparation for the next step of the IR development (search engine optimization; automatic delivery of statistical data to authors/administrators, to name few goals)

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CONCLUSION 2: BUILD THE FOCUSED SERVICE PROGRAM IF SUPPORT LIMITED (CONT.)

- What is the result of the focused strategy to the IR development?
- The comprehensive database of faculty research (peer reviewed articles and conference papers)
- Building a necessary part of the future integrated information environment on campus
THANK YOU!!

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