Advances in Scholarly Communication

COMO 2008
October 17, 2008
Rebecca Drummond, Sara Fuchs, Fatih Oguz
Overview

- Current scholarly communication landscape
- Georgia Tech’s repository and publishing services
- Georgia State’s faculty outreach
- GALILEO Knowledge Repository (GKR)
- Interoperability and implementing a repository at Valdosta State University
Scholarly Communication

“Scholarly communication is the system through which research and other scholarly writings are created, evaluated for quality, disseminated to the scholarly community, and preserved for future use.”

ACRL Scholarly Communication Toolkit
http://www.ala.org/ala/acrl/acrlissues/scholarlycomm/scholarlycommunicationtoolkit/administrators1/administrators.cfm
Alternative Publishing Models

- arXiv.org
- BioMed Central
- PLoS
- CiteSeer
- SCOAP3
- Cogprints
- DSpace at MIT
- IDEALS @ UIUC
- Deep Blue
- MINDS@UW
- SMARTech
- Digital Archive @ GSU
- VText
Policy Changes

Harvard Open Access Policy

The Public Access Policy ensures that the public has access to the published results of NIH funded research to help advance science and improve human health.
Author Rights

- Copyright transfer agreements vs. nonexclusive distribution licenses
- Database of publishers’ copyright policies
  SHERPA/RoMEO
  http://www.sherpa.ac.uk/romeo.php
- Tools for negotiating with publishers
  - Scholar’s Copyright Addendum Engine:
    http://sciencecommons.org/projects/publishing/scae
Georgia Tech Library Response

- Scholarly Communication & Digital Services department
- Alternative publishing services, EPAGE@Tech
- Digital repository of scholarly materials and research, SMARTech
EPAGE@Tech

- Suite of digital services for the alternative publishing of faculty initiatives and the intellectual and documentary output of the campus.
  - Electronic journal support
  - Electronic proceedings support
  - Lecture recording support

http://epage.gatech.edu
Lecture Recording Service

- Nano@Tech Lecture Series
- Industrial Design Lecture Series
- Distinguished Lecture Series in Systems Biology
- Master’s presentations in Applied Physiology
- College of Architecture Research Forum
- History, Technology, and Society Lectures
SMARTech

http://smartech.gatech.edu
EPAGE@Tech and SMARTech

- Georgia Tech’s intellectual output should be preserved and managed by Georgia Tech
- Enhances visibility of GT research
  - Discoverable through commercial search engines, ex. Google, Google Scholar
- Stimulates serendipitous discovery and collaboration
- Authors retain rights to their research
- Studies have shown an increased rate of citation for research freely available online
- Provides a permanent link to research for use in CVs and on personal websites
Scholarly Communication @ GT

- Summer program with Subject Librarians
- Department Assessment Tools
- Outreach activities
- NIH Public Access Policy
Scholarly Communication at Georgia State University Library
Subject Liaisons & Digital Initiatives at Georgia State University

- Digital Initiatives at Georgia State University
- Subject Liaisons Prepare to Launch Digital Initiatives at GSU
- Outreach to Faculty and Others
- Materials in the Digital Archive @ Georgia State University
- Challenges for Subject Liaisons at Georgia State University
- Advice for Librarians Starting a Digital Initiatives Effort
Digital Initiatives

- Pilot Phase of IR: Summer 2007 to Fall 2008.
- Contents: Electronic Theses and Dissertations (over 800 items), Digital Archive @ Georgia State University, and Open Access Journals (not yet operational).
- Full launch and publicity campaign late fall 2008 for Digital Archive @ Georgia State University.
- Plans for search for Digital Initiatives Librarian.
Subject Liaisons Prepare to Launch Digital Initiatives at Georgia State University

- The name Digital Archives @ Georgia State University is chosen for GSU’s IR. [http://dspace.gsu.edu/](http://dspace.gsu.edu/)
- Department of Liaison & Outreach Services goal for 2007 targets Scholarly Communication.
- Subject Liaisons craft their own personal goals related to Scholarly Communication and Institutional Repositories.
- Subject Liaisons prepare to contact faculty in their subject areas.
Digital Initiatives at Georgia State University Library

Libraries and archives traditionally collect, provide access to, and preserve information. The goal of the University Library’s Digital Initiatives program is to utilize technology to provide these same services, ensuring that digital scholarship is both preserved and made accessible.

There are three projects in this effort to promote new methods of digital scholarship and preservation:

- **The Electronic Theses & Dissertations (ETD) Database**
  The majority of GSU’s theses, dissertations, and undergraduate honors theses are submitted electronically to the ETD database.

- **The Digital Archive @ Georgia State University**
  The Digital Archive @ Georgia State University collects, organizes, disseminates, and preserves the digital scholarly output of Georgia State University faculty and staff.

- **Open Access Journals**
  To support the creation of open access journals, the library is hosting an open source journal management and publishing system for use by faculty members.
Subject Liaison Outreach to Faculty and Others

- Attended department faculty meetings to spread the word about the IR.
- With the help of the Digital Initiatives Librarian, subject liaisons set up group meetings with faculty to give them more information about the IR.
- Subject Liaisons emailed department chairs and faculty liaisons requesting permission to recruit content for the IR.
- Subject Liaisons sent out handouts and flyers to faculty or gave these out at meetings.
- Subject Liaisons and the Digital Initiatives Librarian met with groups such as conference committees to recruit content.
Georgia State University's digital archive houses the scholarly output of the university community. It aims to centralize, preserve, and make available the research output of faculty, staff, and students.

Benefits to Faculty members & Georgia State University:

- Greater visibility, citation & impact. Works in the archive are freely available and searchable via major search engines such as Google. A study published in Nature showed that articles available on the Internet were cited 38% more times than those that were not.
- Organization. A digital archive houses all of your scholarly work in one location for convenient access.
- Permanent place ensures access. Adding a work to the digital archive means that it stays in one location (preservation), and maintains the same URL.
- Showcase scholarly output. The archive is an excellent way to showcase scholarly activities of your academic department and the College of Education to GSU as well as the global research community.

Potential Content:

Any scholarly work that is created digitally or that can be converted into a digital format (such as by scanning) can be deposited into the archive.


Participation is optional but requested.

In exchange for your participation, I will:

- Meet with you individually to answer questions/answer participation
- Research copyrights of your works as needed
- Submit content to the archive on your behalf

Feel free to contact me with questions or to set up a meeting.

Union name
Phone number
Email
Materials in the Digital Archive @ Georgia State University

- **Faculty Publications & Presentations**: These include teaching and library faculty publications and presentations. The Digital Initiatives Librarian vetted items needing copyright clearance.

- **Course Syllabi & Course Assignments**: Some examples include English Department syllabi for the Children's Literature class or assignments for English 1102.

- **Conference papers**: New Voices Conference (English Dept.) and Community Forum (Social Work Dept.)

- **Newsletters**: Stall Times (Library), The Briefing (Andrew Young School of Policy Studies), Law Letter (School of Law).

- **Journals**: *Five Points* and *Studies in the Literary Imagination* (English Dept.)

- **Other**: Undergraduate Research Awards (Library), Annual Reports (School of Law).
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Appears in Collections: Graduate English Association New Voices Conference 2007

Files In This Item:

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**The Graduate English Association of GSU**

*8th Annual New Voices Conference*

*September 27 - 29, 2007, Atlanta, GA*

Maps: Breach and occasion, action or activity; maps: breach encourage the formation of memory and mental, moral, and imaginative consciousness. These procedures and limitations return to brevity in the contemporary world. Diagrams as tools engaging in ideology, philosophy, literature, and history; among others, engage in the production and organizing of ideas: Breach.

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For additional guidelines, suggestions, and more assistance, please visit the wiki at [http://www.gsu.edu/southeast.html](http://www.gsu.edu/southeast.html) or e-mail the Baldus. 

*The Baldus*
Challenges for Subject Liaisons at Georgia State University

- DSpace permanent URL was not operational until spring 2008.
- Some faculty were suspicious and rejected this form of scholarly communication.
- Many faculty were willing to participate, but failed to follow through—“Out of sight, out of mind.” As one liaison said, “When I was not there to remind them, it didn’t stick.”
- Both faculty and subject liaisons are often too busy with “normal work” to spend enough time recruiting content and entering materials into the IR.
- Digital Initiatives Librarian position is currently vacant.
Advice for Librarians Starting a Digital Initiatives Effort

- Learn about issues in scholarly communication.
- Marketing: Get the word out through flyers, handouts, email, and face to face meetings.
- Get training: Learn to input meta data in the IR.
- Be persistent: Follow-up, Follow-up, Follow-up, Follow-up!
Interoperability and Implementing a Repository at Valdosta State University
Metadata: Dublin Core

- Dublin Core Metadata Element Set
  - ISO 15836:2003(E) *The Dublin Core metadata element set*
  - A standard for cross-domain resource description
    - Designed primarily to support discovery and retrieval
  - Defines semantics but *not* syntax (i.e. container)
  - Choice of simple or qualified DC
  - Maintenance agency: Dublin Core Metadata Initiative (DCMI) hosted by OCLC Research

- Value of Dublin Core:
  - Simplicity, extensibility, interoperability
  - Worldwide adoption (DCMES translated into 20+ languages)
  - Usable as crosswalk between major metadata standards

- Applications of Dublin Core:
  - Open Archives Initiative (OAI) mandates DC metadata
  - Wide variety of extended versions in use:
    - In digital library, archives, museums projects
    - By e-government programs (AU, CA, DK, FI, IE, NZ, UK)

Goals are to provide:

- An IR hosting service to USG institutions
- A statewide metadata repository for federated searching and browsing of Georgia repositories to the citizens of Georgia and the scholarly community at large.

Metadata guidelines created

Proof-of-concept metadata repository built

Grant application submitted to Institute of Museum and Library Services
GKR Metadata Guidelines

- Identifies minimum standards for Dublin Core elements and qualifiers for improved interoperability between distributed repositories across the state.

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<td></td>
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</tbody>
</table>
DSpace and OAI

- OAI is a harvesting standard and supports multiple metadata formats.

- DSpace currently uses a qualified version of the Dublin Core schema based on the Dublin Core Libraries Working Group Application Profile (LAP).

- DSpace supports the Open Archives Initiative’s Protocol for Metadata Harvesting (OAI-PMH) v2.0 as a data provider. OAI support was implemented using OCLC’s OAICat open-source software to make DSpace item records available for harvesting.

Figure 1: Metadata is harvested from repositories using OAI-PMH, then a user searches across the metadata

Figure 2: Once a user receives results, viewing an item will take them to the repository where the object resides

Proportion of Repositories by Country

- 321 registered IRs in the US
- 1257 Worldwide

Source: http://www.opendoar.org/find.php?format=charts
Impact for Valdosta State

- All of the above
- Standards-based approach is important.
- Comply with GKR metadata guidelines.
- VSU Archives dept. is revising/developing its metadata guidelines to conform to GKR’s.
- Archon, archival system used by VSU Archives will be harvested by Vtext.
- Increased institutional visibility.
- Allow students to publish some of their work (e.g., MLIS Capstone papers will be on Vtext).
- Graduate School is on board to make ETDs available on Vtext.
Questions?

- Rebecca Drummond, Subject Liaison, Georgia State University, rdrummond@gsu.edu
- Sara Fuchs, Digital Initiatives Librarian, Georgia Institute of Technology, sara.fuchs@library.gatech.edu
- Fatih Oguz, Assistant Professor, Valdosta State University, foguz@valdosta.edu