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# **Advances in Scholarly Communication**

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COMO 2008

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# 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



# 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>



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PLANETARY PROBE WORKSHOP

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IPFW-6



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HAVE  
NEVER  
BEEN  
PRE-DISCIPLINARY**

24TH NATIONAL CONFERENCE ON  
THE BEGINNING DESIGN STUDENT



INFORMATION TECHNOLOGIES & INTERNATIONAL DEVELOPMENT

# 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

The screenshot shows the SMARTech website interface. The main header includes the SMARTech logo and the Georgia Tech Library & Information Center logo. The left sidebar contains navigation links for Search, Browse, and Sign on. The main content area features a search bar, a list of communities, and a list of RSS feeds. Several statistics are highlighted in yellow boxes:

- 1,698,792**: Total items in the SMARTech database.
- 1,407,041**: Total items in the Georgia Tech digital format.
- 261,464**: Total items in the SMARTech database (repeated).
- 21,504**: Total items in the SMARTech database (repeated).
- 11,214**: Total items in the SMARTech database (repeated).
- 30 vs. 1595**: Comparison of items in the SMARTech database (30) and the Georgia Tech digital format (1595).

**What is SMARTech?**

SMARTech houses Georgia Tech research in digital format, including:

- Annual Reports
- Conference Papers
- Electronic Theses & Dissertations
- Learning/Complex Objects
- Models
- Newsletters
- Pre-Prints/Post-Prints
- Proceedings
- Research Reports
- Simulations
- Technical Reports
- Web Pages
- White papers
- Working Papers

**RSS Feeds**

RSS 1.0 RSS 2.0

<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



**GEORGIA STATE UNIVERSITY LIBRARY**  
*Your Source for Research and Learning*

# 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/>
- 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.
- Liaison & Outreach Services sponsors Scholarly Communication Series (summer 2007): Issues in Scholarly Communication; Institutional Repositories and DSpace Training; and Copyright and Author Rights.
- Subject Liaisons prepare to contact faculty in their subject areas.

# Digital Initiatives @ Georgia State University Library



## 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.


### Announcements

Interested in archiving your scholarly material? We are looking for participants for the pilot phase of the Digital Archive @ Georgia State University. Contact [Tammy Sugarman](#) if you are interested in participating.

### Contact Information

**Tammy Sugarman**  
Associate University Librarian for  
Research Services  
[tsugarman@gsu.edu](mailto:tsugarman@gsu.edu)

# Digital Archive@ Georgia State University

[About DSpace Software](#)

Georgia State University Institutional Repository - version: 1.4.2 >

Search DSpace

Go

[Advanced Search](#)

Home

Communities & Collections

Titles

Authors

Subjects

By Date

Sign on to:

[Receive email updates](#)

[My DSpace](#)  
authorized users

[Edit Profile](#)

Welcome to the Digital Archive @ Georgia State University!

The Georgia State University Library has set up a digital archive, known as an institutional repository (IR), to collect, preserve, and provide access to scholarship produced by faculty at Georgia State University. Faculty can deposit their articles, conference presentations, class materials, and other scholarly output in the Digital Archive to make it freely available to researchers. Participation in the institutional repository is optional; this is a service that the library is providing to ensure long-term preservation of your work and to increase access to your work. If you would like to know more about this service, or become a participant, contact [Tammy Sugarman](#), Associate University Librarian for Research Services.

For more information on the University Library's other Digital Initiatives, see the [Digital Initiatives](#) section of the library web site.

Search

Enter some text in the box below to search DSpace.

Go

Communities in DSpace

Choose a community to browse its collections.

What Is the Digital Archive @ Georgia State University?

Our institutional repository will focus on scholarly material produced by the university community, as well as documents reflecting the institutional history of the university, including, but not limited to:

- pre-/post-prints
- research and technical reports
- learning objects/instructional materials
- white papers
- conference proceedings

# 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.

# Handout Given to GSU Faculty

DIGITAL ARCHIVE  
(INSTITUTIONAL REPOSITORY)  
<http://dspace.gsu.edu/>

GEORGIA STATE UNIVERSITY LIBRARY  
YOUR SOURCE FOR RESEARCH AND LEARNING



Georgia State University's digital archive houses the scholarly output of the university community. Its mission is 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 336% 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.

Examples: Pre-prints, Post-prints, Research & Technical Reports, Learning Objects/Instructional Materials, White Papers, Conference Proceedings, Data Sets, Electronic Theses & Dissertations, Models, Simulations, Working Papers, Presentations, Web Pages, Recorded Lectures & Symposia, Multimedia Objects.

## Participation is optional but requested ☺

### In Exchange for your Participation, I will:

- meet with you individually to answer questions/discuss 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:

Liaison 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).



# New Voices Conference (English Dept.) Metadata & Program

Georgia State University Institutional Repository - version: 1.4.2 >  
 College of Arts and Sciences >  
 Department of English >  
 Department of English Conferences >  
 Graduate English Association New Voices Conference 2007 >

Please use this identifier to cite or link to this item: <http://hdl.handle.net/2197/337>

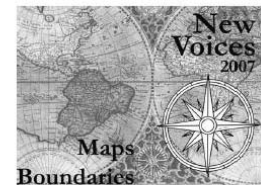
Full metadata record

DC Field	Value	Language
dc.contributor.author	GSU Graduate English Association	-
dc.date.accessioned	2007-11-29T20:14:13Z	-
dc.date.available	2007-11-29T20:14:13Z	-
dc.date.issued	2007-11-29T20:14:13Z	-
dc.identifier.uri	<a href="http://hdl.handle.net/2197/337">http://hdl.handle.net/2197/337</a>	-
dc.description	This is an flyer from the web page of the GSU English Department that describes the 2007 conference.	en_US
dc.description.sponsorship	Graduate English Association	en_US
dc.subject	Eighth Annual GSU English Graduate Conference	en_US
dc.subject	Georgia State University English Department	en_US
dc.title	Flyer for the Graduate English Association of GSU Eighth Annual New Voices Conference, Maps/Boundaries	en_US
dc.type	Image	en_US

Appears in Collections: [Graduate English Association New Voices Conference 2007](#)

Files in This Item:

## The Graduate English Association of GSU 8th Annual New Voices Conference September 27 - 29, 2007, Atlanta, GA



Maps/Boundaries create and govern frontiers, assist or inhibit collaboration and/or creation. They inform visual and intellectual concepts and patterns.

Historically and politically, Maps/Boundaries represent anxieties about identity. Maps/Boundaries encourage the formation of mastery and control, naming, and imaginative communication.

These possibilities and limitations continue to function in the contemporary world. Disciplines as wide ranging as theology, philosophy, literature, and history, among others, engage in the production and imagining of Maps/Boundaries.

We invite you to join us as we explore such questions as:

- What are the traditional definitions, uses, and/or perceptions of Maps/Boundaries?
- How do Maps/Boundaries construct or deconstruct identity?
- How does the physical or psychological presence of Maps/Boundaries impede or assist creative writing?
- How do textual or visual representations imagine, create, disrupt or deconstruct Maps/Boundaries?
- How does the body (re)configure (re)present (re)construct Map/Boundaries?
- What are the interventions or interventions of Maps/Boundaries within academia?
- What is the effect of technology on Maps/Boundaries in the classroom?
- What is the role of pedagogy in creating or disrupting Maps/Boundaries?

For submission guidelines, registration and more information, please visit our web site at <http://www.gsu.edu/conference.html> or send e-mail to [gsa@gsu.edu](mailto:gsa@gsu.edu)

# 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!

# **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<sup>+</sup> 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)

# **GALILEO Knowledge Repository (GKR)**

- 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

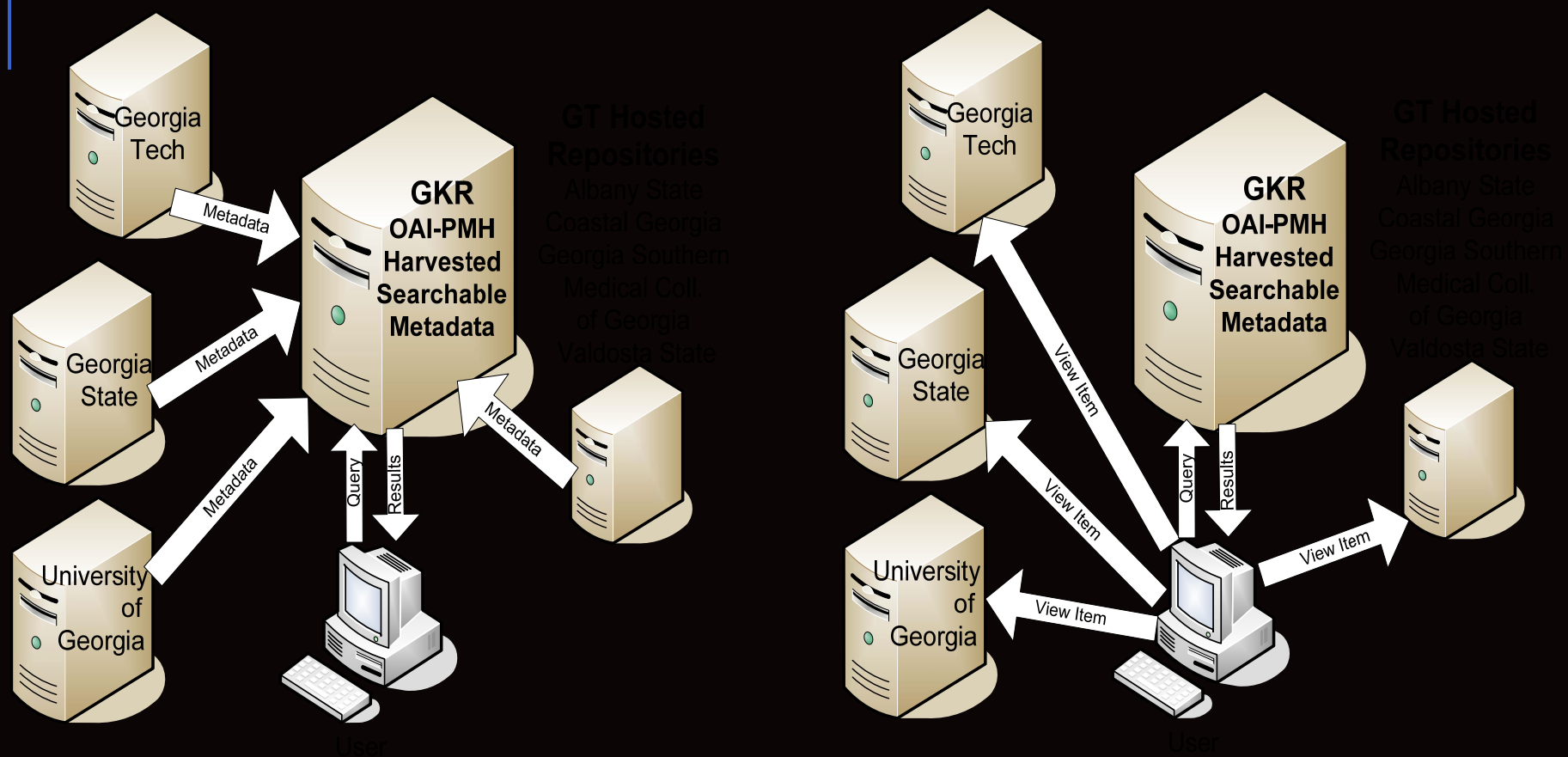
- Identifies minimum standards for Dublin Core elements and qualifiers for improved interoperability between distributed repositories across the state.

Status abbreviations: M = Mandatory MA = Mandatory if applicable Rec = Recommended RA = Recommended if applicable Opt = Optional

Element	Qualifier	Status	Scope Note	Instructions/example
contributor			A person, organization, or service responsible for the content of the resource. Catch-all for unspecified contributors.	
contributor	advisor		Though this is included in DSpace registry, don't use this element for ETDs. Use description.advisor, instead.	
contributor	author	MA		Surname name first. Use form of name established by local practice (e.g. fullest form possible or most frequent form)
contributor	corporatename	Opt.	To reflect responsibility for organizations involved in interdisciplinary work. To reflect corporate authorship.	

# DSpace and OAI

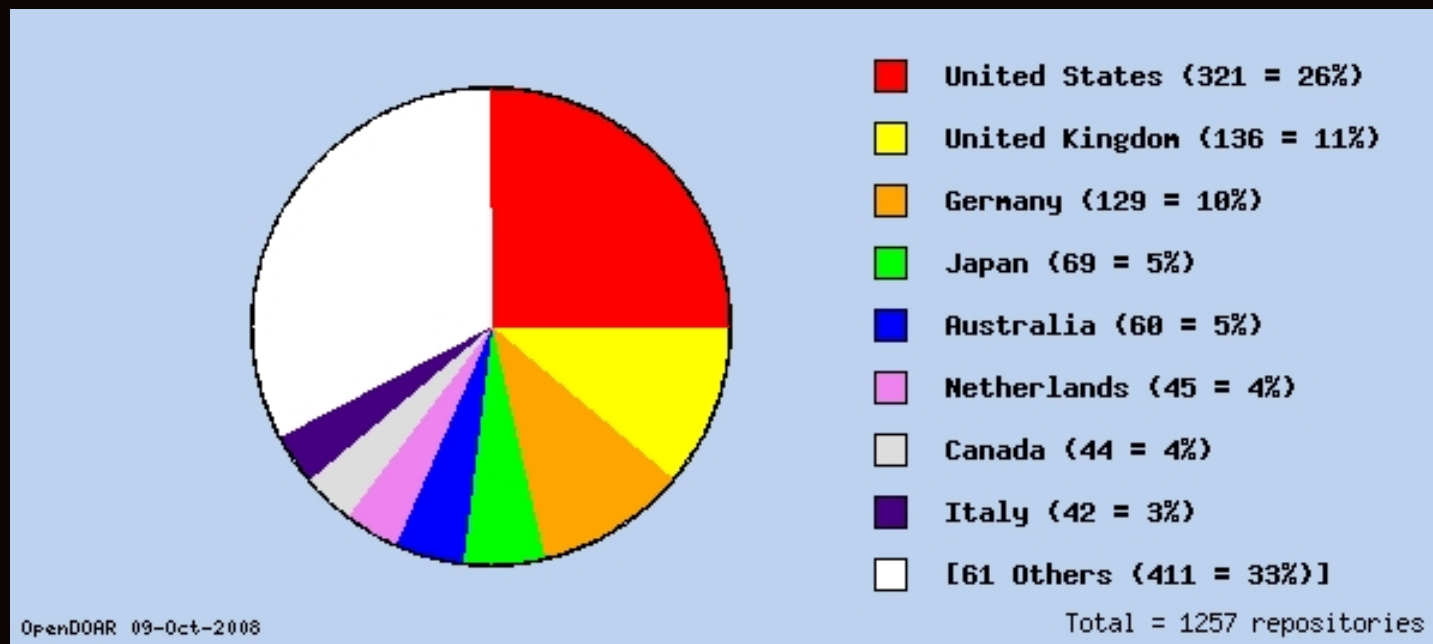
- OAI is Harvesting standard and supports multiple metadata formats.
- DSpace currently uses a qualified version of the Dublin Core schema based on the Dublin Core Libraries Working Group Application Profile (LAP).
- DSpace supports the Open Archives Initiative's Protocol for Metadata Harvesting (OAI-PMH) 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





# 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.



Scholarly Texts and Research at Valdosta State University



# Questions?

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