

**Building institutional support:**  
how we & others have done it  
...good?



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# Agenda

- Context
- What others have done
- Stakeholder analysis lite...
- U of T's approach

# Institutional support by definition

- Most essentially an *organizational commitment* to stewardship of digital materials, including long term preservation, organization, access and distribution

Lynch [www.arl.org/newsltr/226/ir.html](http://www.arl.org/newsltr/226/ir.html)

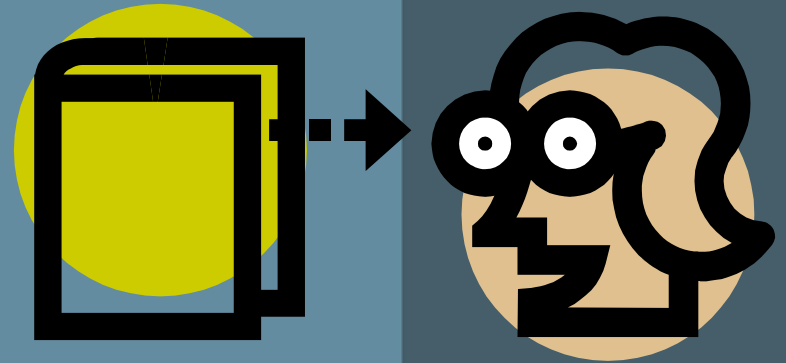
# Tie support with purpose..

- Philosophical
  - Shift in scholarly communication
  - Open access
    - Web
    - (Pricing) crisis in scholarly publishing
  - Digital preservation
- Practical
  - Proliferation of websites
  - One place to look
  - Institutional visibility and prestige



# Of specific interest..

- Open access
- “Easy” digital library
- Grey literature
- Theses
- Publishing
- Journals



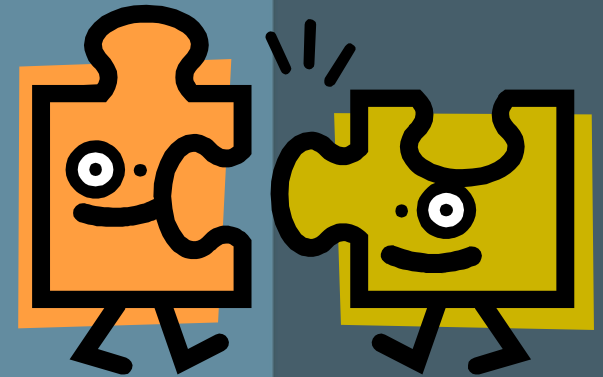
# Thinking beyond the technology

The software platform is but one essential step to creating an institutional repository. Perhaps more important is identifying an appropriate implementation model. There are nearly as many models as there are institutional repositories

Tenant LJ 9/15/2002

# Organizational embedding

- Administrative structure(s)
  - Task forces
  - Committees
    - New
    - Existing
  - Working groups
- Reporting to
  - Joint venture
  - IT
  - Cataloging etc..





[Search DSpace at MIT](#)



Durable Digital Depository

## [DSpace Home](#)

### What is DSpace?

- [Definition - mission, vision](#)
- [FAQ - open-source system](#)

### Technology Platform

- [Features](#)
- [Functionality](#)
- [Architecture](#)
- [Metadata](#)
- [Download](#)

### MIT Implementation

- [DSpace at MIT](#)
- [MIT Policies](#)
- [MIT Services](#)
- [MIT Business Plan](#)

### News & Related Readings

- [Newsletters](#)
- [DSpace in the News](#)
- [Schedule, Milestones](#)
- [Related Readings](#)

### People

- [Team](#)
- [Steering Committee](#)
- [Faculty Advisory Board](#)
- [Sponsors](#)
- [Early Adopters & Fast Followers](#)

## Faculty Advisory Board

Members of the DSpace Advisory Board provide guidance from the perspective of MIT users of DSpace, both as contributors of content and as end-users of the system.

### Harold (Hal) Abelson

Professor Of Electrical Engineering and Computer Science

### Erik Brynjolfsson

Associate Professor, Sloan School of Management

### James Buzard

Associate Professor, Literature

### Jerome Friedman

Professor of Physics

### John Lienhard

Professor of Mechanical Engineering

### Cesar McDowell

Associate Professor of Practice, Urban Studies & Planning

### Jerome Saltzer

Professor Emeritus, Electrical Engineering & Computer Science

### Robert Stalnaker

Professor, Philosophy

### Bruce Tidor

Associate Professor, Chemistry



# KU ScholarWorks Working Groups

Leadership

Promotion

Training

Early Adopters

Policy Standards

System Implementation

Access & Rights Management

Collaboration of **U of Kansas** Library  
and IT staff



# RIT Digital Media Library

## Information

- What is RIT DML?
- Guidelines
- How to Contribute Content
- Receive Email Alerts
- Copyright Information
- FAQs
- Help
- RIT Home



## Inside RIT DML

- Communities
- Collections
- E-prints
- Theses, Projects & Dissertations
- Images
- Audio
- Video

## Contribute Content

- Registration (non RIT users)
- Edit Account
- Submit Content



## Search Content

Go to [Advanced Search](#) or [Browse](#)

Powered by **DSpace**

- [Titles](#)
- [Authors](#)
- [Date](#)
- 
- [Contribute Content](#)
- 
- [Register](#)
- [Edit Account](#)
- [Submit Content](#)  
authorized users
- [Copyright Policy](#)
- [FAQs](#)
- [Help](#)

**:: College Communities ::**

B. Thomas Golisano College of Computing and Information Sciences (GCCIS)  
 College of Applied Science and Technology (CAST)  
 College of Business (COB)  
 College of Imaging Arts and Sciences (CIAS)  
 College of Liberal Arts (COLA)  
 College of Science (COS)  
 Kate Gleason College of Engineering (KGCOE)  
 National Technical Institute for the Deaf (NTID)

.....

**:: Additional Communities ::**

Center for Digital Media (CDM)  
 Center for Integrated Manufacturing Studies (CIMS)  
 Digital Showcase at RIT  
 Educational Technology Center (ETC)  
 Online Learning (OL)  
 RIT Library  
 University News

.....

**:: Communities by Format ::**

Audio  
 E-prints  
 Images  
 Theses  
 Video

.....

Date: Thu, 15 Jan 2004 16:32:57 +1000  
From: "Paula Callan, E-Print Archive Project Officer (QUT)"  
<p.callan AT QUT.EDU.AU>  
To: AMERICAN-SCIENTIST-OPEN-ACCESS-FORUM AT LISTSERVER.SIGMAXI.ORG  
Subject: University policy mandating self-archiving of research output

The need for institutional policies mandating self-archiving has been a frequent topic on this forum.

At Queensland University of Technology (QUT) in Australia, this advice was taken on board during the planning stage for our eprint repository, QUT ePrints which was launched a few week ago (see: <http://eprints.qut.edu.au> ).

Tom Cochrane, QUT's Deputy Vice-Chancellor (Technology, Information and Learning Support) developed a suitable policy proposal and took it through the University's committee system. The senior research community at the university is well versed in the cost and access issues, and this helped the DVC to present the issue persuasively. Consequently, when the Academic Board of the University endorsed an eprint policy for QUT (effective from January 2004) it was on the recommendation of Research and Development Committee. (see: <http://www.qut.edu.au/admin/mopp/F/F 01 03.html> )

The policy was developed in consultation with the major stakeholders so that the University as a whole would own the policy. We now have a clear institutional mandate for self-archiving which will be backed up with plenty of promotion, training and support.

As the QUT Eprint Archive Project Officer, I am currently investigating how the annual collection of QUT research output data (required for mandatory Government reporting) could be used to assist with populating the archive, or vice versa. I am keen to hear from peers at other institutions who may be doing something similar.

QUT ePrints is still in its infancy and most of our researchers have yet to return from vacation. However, the documents are starting to trickle in already so I am very optimistic.

\*\*\*\*\*

Paula Callan BA (UQ), GradDipLib&InfoSys (QUT), GCEd (Higher) (QUT)  
E-print Archive Project Officer / Liaison Librarian

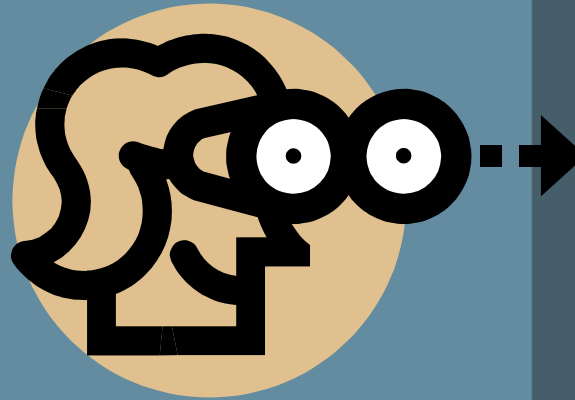
# Stakeholders

- Within the organization
  - Faculty
  - Senior Administration
  - Administrative staff
  - IT staff
- Inside the library
  - Chief Librarian
  - Senior management
  - Rank and file
  - Units of interest: archives, cataloging..



# Strategic Thinking vs. Planning

- Strengths
- Weaknesses
- Opportunities
  - Critical needs
- Threats

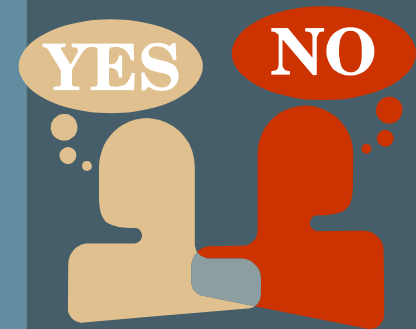


# Technology simple, people not..

The movement is new and the time it takes to plan, formulate policies, and bring institutional communities to consensus can make it a *slow process*.

Drake

<http://www.infotoday.com/searcher/may04/drake.shtml>



# T-Space's Purpose

- Increasing accessibility of scholarly digital materials
- Digital Preservation
- Faculty outreach
  - Existing initiatives
- Why DSpace?
  - Sustainable
  - Flexible
  - Reliable





# Submissions mission critical

- Many unknowns
  - Iterative development cycles
  - Be as flexible as possible
- Leverage experience and resources
  - Modify past policy work
  - Use existing committees
- Conservative staffing model
- Tie code development to EAs

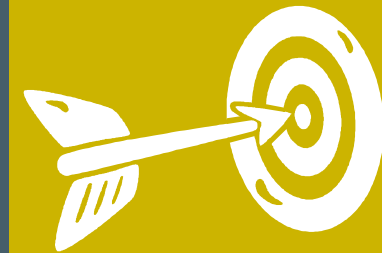


# Immediate relevance

- ..it is important to offer a service in which faculty find immediate value...
- ...help faculty with their current problems (i.e.. managing, distributing and preserving research and teaching materials)

Smith

[library.cern.ch/HELPLW/9/papers/3/](http://library.cern.ch/HELPLW/9/papers/3/)



# “Selling” by letting go

- **Populate the database**
- Community driven adoption
  - Emerging participation  
“drivers”
- Interviews with EAs & influentials
- Re“plan” every 2 months
- Build and manage “buzz”
- Build representative collections
- “Easy” fixes
  - Look and feel
  - Documentation

# (Some) early adopters

1. G8 Information Centre
  - support
2. Knowledge Media Design Institute
  - working papers
  - cross pollination
3. OISE/UT (Education)
  - “curatorial” approach
4. U of T at Scarborough
  - exemplary faculty
  - datasets
  - legacy





## Institutional Repository



• capturing  
• preserving  
• distributing  
• teaching, learning &  
research objects

### Search T-Space:

 Go

[Advanced Search](#)
[Home](#)

### Browse

[Communities & Collections](#)
[Titles](#)
[Authors](#)
[By Date](#)

### Sign on to:

[Receive email updates](#)
[My T-Space authorized users](#)
[Edit Profile](#)
[Help](#)
[About T-Space](#)

[T-Space at The University of Toronto Libraries](#) >

## University of Toronto at Scarborough (UTSC)



### Community home page

In:

Search for  Go

or **browse**

Opened in 1964, the University of Toronto at Scarborough (UTSC) provides undergraduate and graduate studies and the University of Toronto's only co-op educational programs. UTSC has become the choice destination for thousands of students from across Canada and around the world and continues to experience unprecedented growth.

### Collections in this community

- ◆ [Bioline International \(CITD 1993-2002\)](#)  
Center for Instructional Technology Development
- ◆ [Biology](#)
- ◆ [EBooks \(CITD 1993-2002\)](#)  
Center for Instructional Technology Development

### Recent Submissions

[The Impact of Predation On Burrow Use By Arctic Ground Squirrels In The Boreal Forest](#)

[The Impact of Predator-induced Stress On The Snowshoe Hare Cycle](#)

[Effect of Adult Townsend Voles \(Microtus Townsendii\) on Survival of Young Survival of Young](#)

[Viability of Large- and Small-Sized Adults in Fluctuating Vole Populations](#)

[Mating System of the Meadow Vole, Microtus pennsylvanicus](#)

More about University of Toronto at Scarborough

owan, C., R.R. Fulthorpe, A. Wright and J.M. Tiedje. Evidence for Interspecies  
e Transfer in the Evolution of 2,4-Dichlorophenoxyacetic Acid Degraders.  
Applied and Environmental Microbiology 445-98. [VIEW IN TSPACE](#)

nder, M., T. Vallaeys and R.R. Fulthorpe. 1998. Amplification of putative chlorocatechol  
xygenase fragments from alpha  
5):482-486.

tseva, O.V., C. McGowan, R. F  
-D degrading haloalkaliphilic bacteria. Microbiology.

atsu, C.H., R. Fulthorpe, B.A. Holland, M.C. Peel and R.C. Wyndham. 1995. The  
logenetic distribution of a transposable dioxygenase from the Niagara River Watershed.  
ecular Ecology.4:593-603

thorpe, R.R., C. McGowan, O.V. Maltseva, W.H. Holben and J.M. Tiedje. 1995. 2,4-  
chlorophenoxyacetic acid degrading bacteria: mosaics of catabolic genes. Applied and  
ironmental Microbiology. 61(9):3274-3281. [VIEW IN TSPACE](#)

thorpe, Roberta R. and R.C. Wyndham. 1992. Involvement of a chlorobenzoate catabolic  
nsposon, Tn5271, in community adaptation to chlorobiphenyl, chloroaniline, and 2,4  
chlorophenoxyacetic acid in a freshwater ecosystem. Appl. Environ. Microbiol. 58(1):314-

thorpe, Roberta R. and R.C. Wyndham. 1991. Transfer and expression of the catabolic plasmid  
C60 in wild bacterial recipients in a freshwater ecosystem. Appl. Environ. Microbiol.  
5):1546-1553. [VIEW IN TSPACE](#)

thorpe, Roberta R., and R.C. Wyndham. 1989. Survival and activity of a 3-chlorobenzoate  
catabolic genotype in a natural system. Appl. Environ. Microbiol. 55(6):1584-1590. [VIEW IN TSPACE](#)

laeys, T., R. R. Fulthorpe, A.M. Wright and G. Soulas. 1996. The metabolic pathway of  
-dichlorophenoxyacetic acid degradation involves different families of tfdA and tfdB  
es according to PCR-RFLP analysis. FEMS Microbiology Ecology. 20:163-172.

[www.utsc.utoronto.ca/~fulthorpe/](http://www.utsc.utoronto.ca/~fulthorpe/)





**ONGOING COMMUNICATION ACTIVITIES**

Event	Start Date	Purpose	Person(s) Responsible	Target Audience	Repeat
<b>DSpace Website</b>	Summer 2000	Provide general information	User Support Manager	World	Continuous
<b>Online Newsletter</b>	Summer 2000	Disseminate DSpace news	User Support Manager	DSpace-announce list, All-lib, Advisory groups, Early Adopters	Quarterly
<b>Meetings with Faculty and Community Groups</b>	Spring 2000	Acquaint prospective communities with DSpace	User Support Manager	MIT faculty MIT communities	Continuous
<b>FAQ</b>	July 2000	Provide concise responses to commonly asked questions	System Support Manager & User Support Manager	World	As needed
<b>Update Libraries Publications Packet</b>	August 2002	Incorporate DSpace into Libraries Services	Ruth Seidman	Libraries targets	Annual
<b>DSpace Links from Website: (home page, departmental pages, subject pages)</b>	August 2002	Incorporate DSpace into Libraries Services	Nicole Hennig	Web site audience	As needed
<b>Open Lab Hands-on Sessions</b>	April 2002	Educate Libraries staff	System Support Manager & User Support Manager	Library Staff	Continuous
<b>Articles, Press Releases &amp; Publicity</b>	Spring 2000	Raise awareness of DSpace	Ruth Seidman	MIT, World	Continuous

**COMMUNICATIONS EVENTS AND ACTIVITIES**

Event	Date	Purpose	Person(s) Responsible	Target Audience	Done
<b>Spotlight on MIT Home Page</b>	January 2002	Advertise IAP sessions, Raise awareness of DSpace	Ruth Seidman	Campus	X
<b>IAP sessions</b>	January 22 & 31, 2002	Raise awareness of DSpace	Margret Branschofsky	Campus	X
<b>All Staff Meeting</b>	Feb. 13, 2002	Raise staff awareness of DSpace and answer questions	Sarah Mitchel, Margret Branschofsky, Julie Harford, Mary Barton	Libraries Staff	X
<b>BiblioTech Article</b>	February	Raise awareness & fundraising	Margret Branschofsky, Ruth Seidman	Faculty, Alumni	X
<b>Tech Talk Article</b>	March 13, 2002	Promote participation & raise awareness on campus	Ruth Seidman	Campus	X
<b>DSpace Demo for Library Council</b>	April 3, 2002	Build understanding of the DSpace service	Dan Chudnov, Margret Branschofsky	Library Council	X
<b>MIT Club of Boston, Technology Tour</b>	April 10, 2002	Raise awareness of DSpace, fundraising	M.J. Miller, Mackenzie Smith	Alumni	X
<b>IT Partners Conference</b>	April 25, 2002	Raise awareness on campus	Nathan Matta, User Support Manager	IT Staff	
<b>All Staff Meeting</b>	May 1, 2002	Share final report of transition committee	Carol Fleishauer & MacKenzie Smith	Library staff	
<b>Technology Day</b>	June 7, 2002	Fundraising	M.J. Miller & Ruth Seidman	Alumni	



# Unmet user requests

Accommodating ...faculty needs and perceptions — and demonstrating the relevance of an institutional repository in achieving them — must be central to content policies and implementation plans.

Johnson

<http://www.dlib.org/dlib/november02/johnson/11johnson.html>

# Responding to Users

- Full text indexing
- Visibility
  - More
    - Library catalog
    - Web search engines
  - Less
    - Some items restricted to campus
    - Metadata may or may not be restricted
- Works in progress pilot
- Web presence
- User defined submission forms
- Eportfolios



# Organizational embedding

- Populating database continued
  - Instead of vs. in addition
  - Beyond early adopters
  - Work study students
- Planning process
- Committee structure
- Library liaisons
- Creative commons license
  - <http://www.creativecommons.ca>

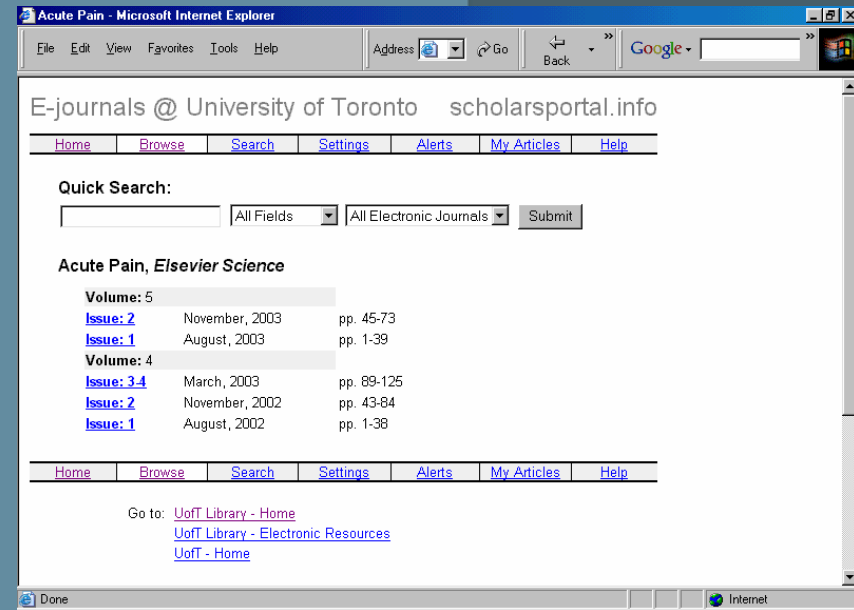


# Seeding collections..

- Harvesting content from e-journals
  - Mine existing self archiving clauses

<http://www.sherpa.ac.uk/romeo.php>

- Build into license negotiations



Acute Pain - Microsoft Internet Explorer

E-journals @ University of Toronto scholarsportal.info

Home Browse Search Settings Alerts My Articles Help

Quick Search:

All Fields All Electronic Journals Submit

Acute Pain, Elsevier Science

<b>Volume: 5</b>		
<a href="#">Issue: 2</a>	November, 2003	pp. 45-73
<a href="#">Issue: 1</a>	August, 2003	pp. 1-39
<b>Volume: 4</b>		
<a href="#">Issue: 3-4</a>	March, 2003	pp. 89-125
<a href="#">Issue: 2</a>	November, 2002	pp. 43-84
<a href="#">Issue: 1</a>	August, 2002	pp. 1-38

Home Browse Search Settings Alerts My Articles Help

Go to: [UofT Library - Home](#)  
[UofT Library - Electronic Resources](#)  
[UofT - Home](#)

Done Internet

# Non-technical challenges..

- As with most change programs, the most significant challenge facing institutional repositories is the “ *administrative attention span*” *and long-term commitment* to insure preservation and maintenance of the repository over time, providing the necessary confidence to enable faculty members to contribute their works to the repository

<http://sitemaker.umich.edu/dams/files/etcom-2003-repositories.pdf>

# Sites

- DSpace

[www.dspace.org](http://www.dspace.org)

- T-Space

[tspace.library.utoronto.ca](http://tspace.library.utoronto.ca)

- O-Space

– information literacy learning  
object repository

[ospace.scholarsportal.info](http://ospace.scholarsportal.info)

