

Changing the Landscape of Scholarly Communication: Digital Commons Pilot Project

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Outline

- Definition
- Difference between IR and Digital Library
- Why NDSU Libraries started an IR
- Digital Commons future
- How can you contribute

Changing With the Times

- **Libraries:** Collection of written knowledge in some sort of repository is a practice as old as civilization itself. In the past written knowledge was paper base
- “A collection of useful material for common use”
Modern libraries are increasingly being redefined as places to get unrestricted access to information in many formats and from many sources.

Definition

Clifford A. Lynch

“Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age” defines an University-based Institutional Repositories as “a set of services that a university offers to members of its community for the management and dissemination of digital materials created by the institution and its community members. It is most essentially an organizational commitment to the stewardship of these digital materials, including long-term preservation where appropriate, as well as organization and access or distribution.”

Goals

Create a repository that contains the intellectual works of faculty and students – both research and teaching materials –document the activities of the institution itself in the form of records of events and performance of the ongoing intellectual life of the institution.

Difference Between an IR and a Digital Library

Digital Library

- Does not necessarily focus on preservation
- Product of deliberate collection development policy
- Typically include an important service aspect

Institutional Repository

- Main focus is preservation
- Often dependent on voluntary contributions
- Are mainly repositories and may only offer limited user services

Institutional Repository Content Type

- University Publications
- Technical Reports
- Presentations
- Original Material
- Works of Relevance to the North Dakota Community
 - Includes Oral Histories, photographs, Historical Documents



Why NDSU Libraries Started an IR

- ***Increase Institutional Visibility and Brand Awareness***

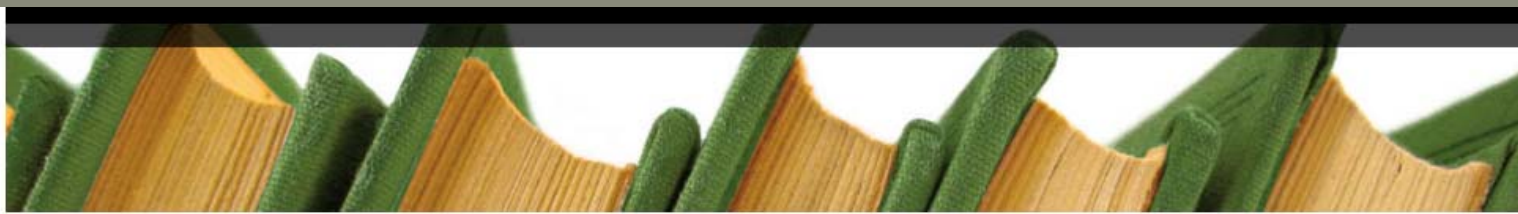
Why NDSU Libraries Started an IR – Increase Institutional Visibility

<https://tspace.library.utoronto.ca/>

The screenshot shows the homepage of the University of Toronto's T-Space Research Repository. At the top, there is a banner with the T-Space logo (a stylized 'T' with a grid) and the text 'UNIVERSITY of TORONTO Research Repository' over a background image of a university building. Below the banner, a welcome message reads: 'Welcome to the University of Toronto's Research Repository, T-Space!'. A paragraph follows: 'T-Space showcases and preserves the scholarly work of U of T faculty. T-Space is faculty space, established by the Library to support the dissemination of knowledge by the University community. For more information take our [guided tour](#).' The main content area is divided into three columns. The left column contains search and navigation options: 'Search T-Space' with a search box and 'Go' button, 'Advanced Search', 'Browse' with sub-links for 'Communities & Collections', 'Authors', 'Titles', and 'By Date', and 'Information' with sub-links for 'About T-Space', 'Receive email updates', 'Help', 'Contact', and 'My T-Space'. The middle column is titled 'Communities & Collections' and lists various university departments and centers, each with a small square icon: Faculty of Applied Science and Engineering, Library, Faculty of Dentistry, University of Toronto at Mississauga, Victoria University - Emmanuel College, St. Michael's Hospital, Wycliffe College, Health Sciences Information Resources, Faculty of Arts and Science, Indigenous Law Journal, Faculty Publications, Pierre Elliott Trudeau Centre for Peace and Conflict Studies, Faculty of Medicine, University of Toronto at Scarborough, Office of International Surgery, Knowledge Media Design Institute, Mount Sinai Hospital, Italian Studies / Research Initiatives, and Directed by Francesco Guardiani. The right column is titled 'Featured Author' and features a photo of Prof. Rudy Boonstra, a man with glasses in a light blue shirt, with the text 'Rudy Boonstra Professor of Physiology and Zoology'. Below this is a 'Featured Community' section with a photo of a modern building and the text 'Knowledge Media Design Institute'.

Why NDSU Libraries Started an IR – Increase Institutional Visibility

<http://library.ndsu.edu/repository/>



◆ [NDSU Digital Commons Home](#)

NDSU Digital Commons

Welcome to the North Dakota State University Digital Commons. Digital Commons is an institutional repository provided by the NDSU Libraries that collects, preserves, and distributes digital material located at or produced by the NDSU community. Repositories are important tools for preserving an organization's legacy; they facilitate digital preservation and scholarly communication.

To start contributing to NDSU Digital Commons please send us a message and see our guidelines.

Search Digital Commons

Enter some text in the box below to search NDSU Digital Commons.

Communities

Select a community to browse its collections.

- **Germans from Russia Heritage Collection**
- **Institute for Regional Studies & University Archives**
- **Instructional Resources**
- **Publications**
- **Scholarly Works**

Profile: Karen Bjork | Logout

SEARCH DIGITAL COMMONS

[Advanced Search](#)

BROWSE

- **All of Digital Commons**
 - Communities & Collections
 - By Issue Date
 - Authors
 - Titles
 - Subjects

YOUR ACCOUNT

- Logout
- Profile
- Submissions

ADMINISTRATIVE

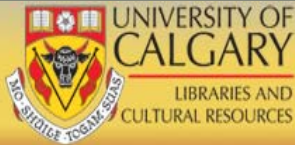
- **Access Control**
 - People
 - Groups
 - Authorizations
- **Registries**
 - Metadata
 - Format

Why NDSU Libraries Started an IR – Increase Institutional Visibility and Brand Awareness

- Increase transparency into the institution's scholarly production
- Materials are searchable via search engines
- Highlight Individual Achievement
- Promote Research and Scholarship
- Showcase and enhance the discovery of research within fields of expertise

Why NDSU Libraries Started an IR – Highlight Individual Achievement

<http://dspace.ucalgary.ca/handle/1880/43398>



Search DSpace

Advanced Search

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[DSpace at University of Calgary](#) >
[Biological Sciences](#) >
[Faculty Research & Publications](#) >

Hansen, Dave D.

Collection home page

In:
Search for
or browse

Subscribe to this collection to receive daily e-mail notification of new additions

Dr. Dave D. Hansen's webpage is <http://www.bio.ucalgary.ca/contact/faculty/hansen.html>



Recent Submissions

[Identification of genes expressed in the hermaphrodite germ line of C. elegans using SAGE](#)

[The C. elegans Sex-determining Gene fem-2 Encodes a Putative Protein Phosphatase](#)

[GERp95, a Membrane-associated Protein that Belongs to a Family of Proteins Involved in Stem Cell Differentiation](#)

[Epsin potentiates Notchpathway activity in Drosophilaand C. elegans](#)

[Evolution of the PP2C Family in Caenorhabditis: Rapid Divergence of the Sex-Determining Protein FEM-2](#)

RSS Feeds



Why NDSU Libraries Started an IR – Highlight Individual Achievement

<http://dspace.cc.uregina.ca/dspace/handle/10294/17>



Campus Digital Archive

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[University of Regina Campus Digital Archive >](#)
[Dr. John Archer Library >](#)
[Library Faculty >](#)

Carol G. Hixson : [52]

Collection home page

In:

Search for

or browse

Subscribe to this collection to receive daily e-mail notification of new additions

This collection highlights some of the research and presentations of Carol Hixson, Library Dean at the University of South Florida St. Petersburg. Hixson was the University Librarian at the University of Regina from August 2006 through July 2009. Prior to that she was Professor and Head of Metadata and Digital Library Services at the University of Oregon Libraries, where she was the recipient of the 2004 Richard and Mary Corrigan Solari Faculty Fellowship Award.

Current research interests:

Effect of culture on management
Library role in scholarly communication
Collaboration as a force for change
Improving access to digital assets



Recent Submissions

[Getting the Word Out :A Digital Archive for the Intellectual Property of the University of Regina](#)

[COPPUL's Ongoing Role in Digital Collections: Discussion Paper](#)

[Digital Preservation and COPPUL Libraries](#)

[Digital Collections at the Dr. John Archer Library: Position Paper](#)

[Library Futures : Vision and Reality](#)

RSS Feeds



Why NDSU Libraries Started an IR?

- Increase Institutional Visibility
- ***Community Building***

Why NDSU Libraries Started an IR – Community Building

- Improves community engagement
- Serves a particular need and contributes to the betterment of the community
- Preserves and improves access to regionally-valued content

Why NDSU Libraries Started an IR – Community Building : NDSU Publications We Post

- NDSU Extension Publication (1960-Present)
- North Dakota Farm Research Report (1976-1994)
- Farm Management Planning Guides (2007-2009)
- Fungicide Guide
- Insect Control Guide
- North Dakota Research Report
- Weed Control Guide

Why NDSU Libraries Started an IR?

- ◉ Increase Institutional Visibility
- ◉ Community Building
- ◉ ***Preservation & Access***

Why NDSU Libraries Started an IR - Preservation & Access

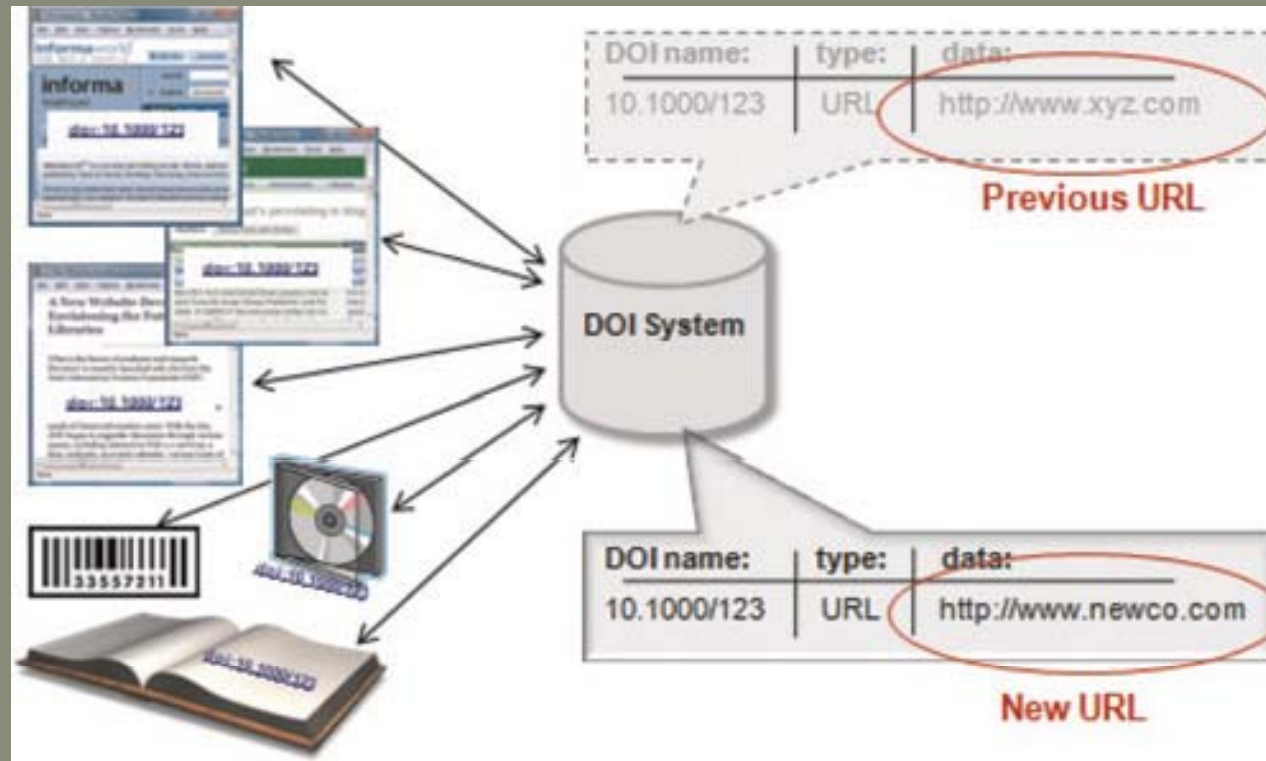
- Preservability is an essential prerequisite to any claims to scholarly legitimacy.
- IR provides unique persistent identifiers for digital objects

Why NDSU Libraries Started an IR - Preservation & Access

- Handle - Identifier and Resolution Service (<http://handle.net/>)
- Digital Object Identifier (DOI) System <http://doi.org/>
Journals are moving towards DOI instead of page #'s in citations
- Maintain the URL even if change server
 - <http://hdl.handle.net/10365/5418>

Why NDSU Libraries Started an IR - Preservation & Access

Source: From International DOI Foundation



Why NDSU Libraries Started an IR - Preservation & Access

- Whole reason for an IR is to facilitate access, reuse, and stewardship..... How do you record and document the rights and permissions associate with works?
 - Metadata
 - Creative Commons License - allow creators to communicate which rights they reserve, and which rights they waive for the benefit of recipients or other creators. (<http://creativecommons.org/>)

Why NDSU Libraries Started an IR?

- Increase Institutional Visibility
- Community Building
- Preservation
- ***Teaching***

Why NDSU Libraries Started an IR – Teaching

- **Instructional Resources**
 - **Architecture/Landscape Architecture**

Why NDSU Libraries Started an IR - Promote Research and Scholarship

- Slowly growing collection outside of the Libraries
 - Mathematics / Psychology department, supplement material

Future of Digital Commons

- Where do we go.....
 - Conferences and Symposia
 - Thesis and Honors projects
 - Faculty

How Do We Measure Success?

- Based on the number of collections / items in the IR
 - Digital Commons currently house 5987 items
- Use Statistics
 - 466,000 have been downloaded since we started the project
- How material is being used and cited
 - Still need to work with students and faculty to determine how items are being used

How can you contribute

Policy and procedures established by NDSU
Libraries ...

- Questions?

- Contact me by e-mail at :
karen.bjork@ndsu.edu

- Or by phone: 701-231-7288

Citations

- Lynch, Clifford “Institutional Repositories: Essential Infrastructure for Scholarship In the Digital Age” *Libraries and the Academy*, Vol. 3, No. 2 (2003): 327-336
- Paskin, Norman, “Digital Object Identifier (DOI) System,” *Encyclopedia of Library and Information Sciences, Third Edition* (2010)
- Hixson, Carol, “How to Implement an Institutional Repository,” *Serials Librarian* 52 (2007): 37-54
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- Shreeves, Sarah and Melissa Cragin, “Introduction: Institutional Repositories: Current State and Future,” *Library Trends*, Vol. 57, No. 2 (Fall 2008): 89-97
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