Why should African academics care about Open Access?

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May 2012
Arguments against Open Access

- Expose our poor quality research.
- More work – duplication of effort.
- Open Access is not proven beyond a doubt to be better.
- High quality comes from journals – why waste time with low quality online documents?
- Paper will last longer.
- Not everyone is doing it.
- The system is working already!
Open Access?
Digital Libraries


Full text available as:
PDF - Requires Adobe Acrobat Reader or other PDF viewer.

EPrint Type: Book Chapter

H Information Systems: H 0 GENERAL
H Information Systems: H 1 MODELS AND PRINCIPLES

Subjects:
H Information Systems: H 3 INFORMATION STORAGE AND RETRIEVAL
A General Literature: A 1 INTRODUCTORY AND SURVEY
H Information Systems: H 4 INFORMATION SYSTEMS APPLICATIONS

ID Code: 16

Deposited By: Suleman, Hussein

Deposited On: 11 July 2003
Digital Libraries
By Edward A. Fox, Hussein Suleman, Devika Madalli, and Lillian Cassel
Draft 5 / May 2, 2003

For: Practical Handbook of Internet Computing
(to be published by CRC Press)

1. Introduction
Definitions of “digital library” (DL) abound [1] [2], but a consistent characteristic across all definitions is an integration of technology and policy. This integration provides a framework for modern digital library systems to manage and provide mechanisms for access to information resources. This involves a degree of complexity that is evident whether considering: the collection of materials presented through a digital library; the services needed to address requirements of the user community; or the underlying systems needed to store and access the materials, provide the services, and meet the needs of patrons. Technologies that bolster digital library creation and maintenance have appeared over the last decade, yielding increased
The Open Archives Initiative
H Suleman - Journal of Library Administration, 2002 - Taylor & Francis
Summary The Open Archives Initiative (OAI) is dedicated to solving problems of digital library interoperability. Its focus has been on defining simple protocols, most recently for the exchange of metadata from archives. The OAI evolved out of a need to increase access to...
Cited by 25 - Related articles - BL Direct - All 6 versions

Automatic marking with Sakai
H Suleman - Proceedings of the 2008 annual research conference ..., 2008 - dl.acm.org
Abstract Large student numbers often drive teaching staff to consider greater degrees of automation of assessment activities. In introductory Computer Science classes where submitted programs need to repeatedly be compiled, executed and tested automation is ...
Cited by 19 - Related articles - SFX@UCT - All 5 versions

Digital libraries without databases: The bleak and lloyd collection
H Suleman - Research and Advanced Technology for Digital ..., 2007 - Springer
Digital library systems are frequently defined with a focus on data collections, traditionally implemented as databases. However, when preservation and widespread access are most critical, some curators are considering how best to build digital library systems without ...
Cited by 20 - Related articles - SFX@UCT - BL Direct - All 5 versions

Building digital libraries from simple building blocks
H Suleman, EA Fox, R Kelapure - Online Information ..., 2003 - emeraldinsight.com
Abstract Metadata harvesting has been established by the Open Archives Initiative as a viable mechanism for connecting a provider of data to a purveyor of services. The Open Digital Library model is an emerging framework which attempts to break up the services ...
Cited by 20 - Related articles - BL Direct - All 10 versions

Leveraging OAI harvesting to disseminate theses
H Suleman - Library Hi. Tech, 2003 - emeraldinsight.com
Abstract NDLTD, the Networked Digital Library of Theses and Dissertations, supports and encourages the production and archiving of electronic theses and dissertations (ETDs). While many current NDLTD member institutions and consortia have individual collections ...
Cited by 19 - Related articles - BL Direct - All 15 versions

Create email alert

Goooogle
Microsoft Academic Search

Hussein Suleman
Metadata harvesting has become a common technique to transfer a stream of data from one metadata repository or digital library system to another. As collections of metadata, and their associated digital objects, grow in size, the ingest of these items at the destination archive can take a significant amount of time, depending on the type of indexing or post...

Reflections on Three Years of Archiving Research Output
Hussein Suleman
While "Open Access" and "institutional repositories" have received some attention in South Africa in recent years, very few tertiary institutions and departments have made a commitment to opening up access to their research. The Department of Computer Science at UCT was one of the first departments in the country to adopt the notion of an institutional repository, albeit localized, because ...
Published in 2006.

Flexing Digital Library Systems (Citations: 3)
Hussein Suleman, Kevin Feng, Siyabonga Mhlongo, Muammar Omar
Digital library systems with monolithic architectures are rapidly facing extinction as the discipline adopts new practices in software engineering, such as component-based architectures and Web Services. Past projects have attempted to demonstrate and justify the use of components through the construction of systems such as NCSTRL and Schol-Net. This paper describes current work to push the ...

Designing a 'universal' Web application server (Citations: 2)
ANDREW MAUNDER, REINHARDT VAN ROOYEN, HUSSEIN SULEMAN
Conference: Conference of the South African Institute of Computer Scientists and Information Technologists - SAICSIT, 2005
Open Access?

- 3354 hits directly from Google in February 2009.

Example:
- [http://www.google.co.za/search?q=questionnaire+uml+sd](http://www.google.co.za/search?q=questionnaire+uml+sd)
Open Access

- Principle of unrestricted access to information.
Movements
Worldwide and SA
April 16, 2012 - Two years after opening its vast storehouse of data to the public, the World Bank is consolidating more than 2,000 books, articles, reports and research papers in a search-engine friendly Open Knowledge Repository, and allowing the public to distribute, reuse and build upon much of its work—including commercially.

The repository, launched today, is a one-stop-shop for most of the Bank’s research outputs and knowledge products, providing free and unrestricted access to students, libraries, government officials and anyone interested in the Bank’s knowledge. Additional material, including foreign language editions and links to datasets, will be added in the coming year.

And, in a bid to promote knowledge-sharing around the world, the Bank has become the first major international organization to require open access under copyright licensing from Creative Commons—a non-profit organization whose copyright licenses are designed to accommodate the expanded access to information afforded by the Internet.

The repository and Creative Commons licenses are part of a new open access policy that takes effect on July 1 and will be phased in over the next year. The policy formalizes the Bank’s practice of making research outputs and knowledge products freely available online, but now much of that content can be shared and reused freely, if the Bank is credited for the original work.

In addition, the author versions of articles published by commercial publishers and currently available only to journal subscribers will be made freely available via the public repository after embargo periods elapse, though their reuse will be more restricted than freely published articles. (Please check the repository for details.)
MIT faculty open access to their scholarly articles

March 20, 2009

CAMBRIDGE, Mass., March 20 - In a move aimed at broadening access to MIT's research and scholarship, faculty at the Massachusetts Institute of Technology have voted to make their scholarly articles available to the public for free and open access on the Web.

The new policy, which was approved unanimously at an MIT faculty meeting on Wednesday, March 18 and took immediate effect, emphasizes MIT's commitment to disseminating the fruits of its research and scholarship as widely as possible.

"The vote is a signal to the world that we speak in a unified voice; that what we value is the free flow of ideas," said Bish Sinyal, chair of the MIT Faculty and the Ford International Professor of Urban Development and Planning.

Under the new policy, faculty authors give MIT nonexclusive permission to disseminate their journal articles for open access through DSpace, an open-source software platform developed by the MIT Libraries and Hewlett-Packard and launched in 2003. The policy gives MIT and its
International ETD Movement (1.8M+)

NDLTD Union Archive
Electronic theses and dissertations metadata

Recent Submissions
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2. no title found
3. no title found
4. no title found
5. no title found

Collection Statistics

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Portal and Archive managed by UCT-CS DLL; CSS courtesy of Free CSS Templates
Feeds: [RSS] [OAI-PMH]

UNIVERSITY OF CAPE TOWN

department of Computer Science
PRESS RELEASE: Academy leads the way in Open Access publishing
Unlocking peer-reviewed scholarly works to the benefit of science -
[March 2009]

The Academy of Science of South Africa (ASSAf) is leading the establishment of an Open Access platform for high-quality South African scholarly journals. The plan is supported and funded by Department of Science and Technology.

Led by the Academy’s Scholarly Publishing initiative, the proposed platform will enable users worldwide to access a wide range of the top peer-reviewed South African academic journals in full on the internet at no cost. The project is led by Susan Veldsman, a specialist in the field of Open Access, who has been newly appointed as Director of the Scholarly Publishing Unit. She has been working in the information science sector for over twenty years, with a focus on Open Access journals. She previously been the project coordinator of the South African Site Licensing Initiative and the pr...
SciELO @SA

Library Collection

Alphabetic list - 22 serials listed
Current titles - 22 serials listed

- Acta Theologica - 7 issues
- Hervormde Teologiese Studies - 11 issues
- Historia - 3 issues
- Journal of the South African Institution of Civil Engineering - 5 issues
- Journal of the South African Veterinary Association - 7 issues
- Journal of the Southern African Institute of Mining and Metallurgy - 4 issues
- Koedoe - 5 issues
- Kronos - 3 issues
- Onderstepoort Journal of Veterinary Research - 2 issues
- PER; Potchefstroomse Elektroniese Regsblad - 19 issues
- Psychology in Society - 5 issues
- SA Journal of Industrial Psychology - 5 issues
- SA Orthopaedic Journal - 8 issues
- SAMJ; South African Medical Journal - 36 issues
- South African Journal of Animal Science - 10 issues
- South African Journal of Economic and Management Sciences - 4 issues
- South African Journal of Education - 16 issues
- South African Journal of Science - 27 issues
- Tydskrif vir Geesteswetenskappe - 7 issues
- Tydskrif vir Letterkunde - 6 issues
- Water SA - 15 issues
- Yesterday and Today - 2 issues
South African National ETD Project

- Collaboration between CHELSA and NRF
- Aims to get every tertiary institution to archive theses in near future.
- National portal for discovery of ETDs.
- Many institutions already have repositories:
  - Rhodes, Wits, Pretoria, SUN, UWC, DUT, Free State, UJ, UNISA, UNW
- NRF is supporting some institutions without capacity in the short term.
  - Fort Hare, Venda, MEDUNSA
South African National ETD Project
## South African Repositories

### Results 1 - 23 of 23. [RSS1 Feed for this Query](#)

*Click on a hyperlinked column heading to sort. Click again to reverse the order.*

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UCT-CS: the story of a repository
UCT CS Research Repository

Welcome to UCT CS Research Document Archive

Welcome to the UCT Computer Science Research Document Archive, which archives and makes accessible documents that are products and by-products of research in the department.

Search the Titles, Authors, Abstracts and Keywords:

Browse

Browse the archive by Subject, Year, Lab or Type

Latest Additions:

View items added to the archive in the past week.

Simple Search:

Search the archive using the most common fields.

- Author self-submission
- Checking of submissions
- Archive-everything!
- UCT-CS-specific metadata and classification systems
- Hierarchical browsing
- Simple and fielded searching
- OAI-PMH compliance
Why we have a repository

- It was faster than simply waiting for UCT!
- CS departments internationally archive technical reports (NCSTRL).
- Research websites don’t last long (enough).
- UCT did not have an electronic thesis project then...
- We need to improve ACCESS to our work.
- We need to preserve our research output.
- Bureaucracy (UCT, NRF, DoE, etc.) requires tracking publications.
- We (think we) know what we are doing.
What we archive

- Books and Book Chapters
- Conference Paper and Posters
- Journals (online and paginated)
- Newspaper and Magazine Articles
- Presentation Slides
- Complete Conference Proceedings
- Departmental Technical Reports
- Electronic Theses and Dissertations
What did it take?

- The easy part:
  - Hardware: a server somewhere
  - Software: Open Source tools
  - Ongoing support: very little

- The hard part:
  - Filling the archive: some persuasion, some convincing, official status
  - Copyright concerns: answering questions (RoMEO)
Departmental Research Overview

Year: 2011

Number of records: 58.

Book Chapter


Conference Paper


Research Group Overview

Laboratory: Collaborative Visual Computing

2007

Conference Paper


Journal (Paginated)


Other

Unique Local IP Addresses

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Local Access

Accesses

Dates

All hits

PDF hits
Unique Non-local IP Addresses

Non-local Access

Accesses

Dates


All hits
PDF hits
Unique Crawler IP Addresses

The graph shows the number of unique crawler IP addresses over time. The x-axis represents dates from June 2003 to April 2006, and the y-axis represents the number of accesses. Two lines are plotted: one for all hits and one for PDF hits. The number of accesses generally increases over time, with a notable spike in February 2005.
Source of Access
Which Resources are Accessed

![Graph showing the number of resources accessed over time, categorized by type: Local, Nonlocal, Bot, and Total. The graph tracks data from June 2003 to April 2006.]
Effect of Submission Sequence
Summary of Statistics

- The archive is regularly and aggressively indexed by search services.
- The vast majority of access to resources comes from outside UCT.
- Most users find their way to resources through Google and other search engines.
- Most resources are used in most months – by both crawlers/harvesters and end users.
- Access appears to be dictated by content, and not age of resources.
So What Is In It For Us?
The Big Picture

Proportion of Repositories by Country - Worldwide

- United States: 34.7%
- United Kingdom: 18.1%
- Germany: 9.5%
- Japan: 6.9%
- Spain: 6.3%
- Poland: 6.3%
- Italy: 6.3%
- France: 6.3%
- Brazil: 6.3%
- Taiwan: 6.3%
- Canada: 6.3%
- Australia: 6.3%
- Other: 6.3%

Total = 2184 repositories

OpenDOAR - 10-May-2012
The Bigger Picture

OpenDOAR

Directory of Open Access Repositories

Proportion of Repositories by Continent - Worldwide

Total = 2184 repositories
OpenDOAR - 10-May-2012
Impact of OA

The effect of open access and downloads ('hits') on citation impact: a bibliography of studies

OpCit project - The Open Citation Project - Reference Linking and Citation Analysis for Open Archives

Some text content:

The effect of open access and downloads ('hits') on citation impact: a bibliography of studies.

Find your way through the bibliography:
- Selected topic ALERTboxes: OA impact bibliography reader | Reviews of OA Impact studies
- Latest additions
- Studies with original data
- Web tools for measuring impact | Comparative reviews
- Background
- The financial imperative: correlating research access, impact and assessment | Citation analysis, indexes and impact factors | Open access

Last updated 23 April 2012; first posted 15 September 2004. Please email or tweet @stevenshit additions, corrections or comments to Steve Hitchcock.

What others say about this bibliography:
- "a major bibliography on this debate"
- "A great resource!"
  Elsy Rodrigues, University of Malawi, via Twitter, Jul 17th 2009
- "incredible resource"
  OA Librarian blog, Citation Impact Bibliography Resources (December 7, 2005)
- "excellent bibliography"
- "This ongoing chronological bibliography may be worth bookmarking and checking every few months. There's very little annotation, but it's a good brief bibliography on a narrow - but important - subject."

Latest articles on OA impact

This is an external feed from an unmoderated, multi-contributor source. Not all entries will appear in the classified bibliography.

Troubleshooting: If the feed does not load first time, try reloading the whole page, or go direct to this Connotea link to check if the service is working http://www.connotea.org/tag/oa_impact
Refuting arguments against Open Access

- Expose our poor quality research.
- *More work – duplication of effort.*
- *Open Access is not proven beyond a doubt to be better.*
- High quality comes from journals—why waste time with low quality online documents?
- *Paper will last longer.*
- Not everyone is doing it.
- The system is working already!
Arguments for Open Access

- Increase visibility of research.
- Maintain reputation.
- Link into national / international networks.
- Create stronger culture of publication.
- Maintain access to published works.
- Preserve research in long term.
- Training resource for new students.
- Share research with community/public.
- Required by government/funding agencies.
So where to from here?

- Decide for yourself!
- Support your local repository.
- Change your way of thinking – it is not business as usual in academia...
- OA is only part of a bigger process of the (r)evolution in scholarly communication.
Discussion...

to find me, search on Google or Facebook for “hussein suleman”