





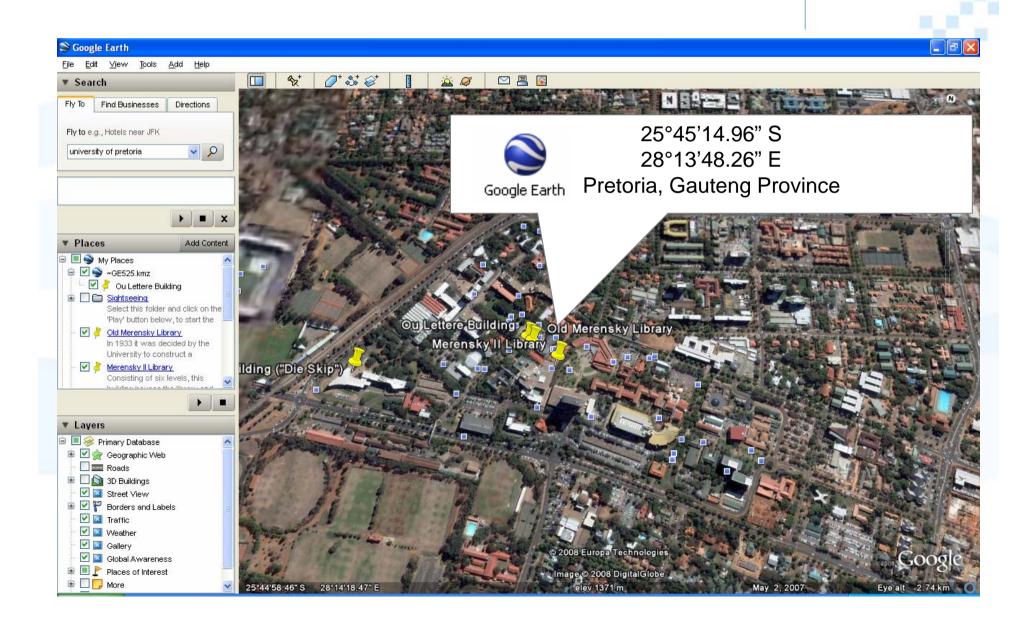
#### **Agenda**

- Background University of Pretoria & Libraries
- Open Access in South Africa
  - Open Access Publishers
  - Institutional Repositories
- Other South African OA Initiatives
- International Initiatives & Collaboration
- Future Prospects
- Conclusion





## **About the University of Pretoria**



## **About the University of Pretoria**



#### **University of Pretoria - Mission**

"The mission of the University of Pretoria is to be an internationally recognised South African teaching and research university and a member of the international community of scholarly institutions that promotes scholarship through the creation, advancement, application, transmission and preservation of knowledge ..."

Source: Strategic Plan of the University of Pretoria 2007-2011





#### **University of Pretoria - Objective**

- Providing academics with the highest levels of support for their teaching and research activities
- Ensuring that the University's library and information services can give academics access to the information they need
- Providing facilities that create a conducive and stimulating environment for scholarship

Source: Strategic Plan of the University of Pretoria 2007-2011







#### Mandate given to the Library

"The Library Services is responsible for the management of academic information and knowledge, and for leading the University in information and knowledge innovation."

Source: Pienaar 2008





#### Client Needs (Net Generation)

"The most common disconnect between many of today's academic libraries and Net Gen students is

students' dependence on Google



search engines for discovery of information resources rather than consultation of library Web pages, catalogues, and databases as the main source of access."

Source: http://www.educause.edu/apps/er/erm05/erm0523.asp





#### **Client Needs (Net Generation) (Cont.)**

- "We use wiki's, blogs and podcasts as a way to share info between lecturers and students, and fellow students."
- "We want to be challenged and want to have access to technologies that will contribute towards creative solutions for research problems."
- Cell phones, always-on, multi-tasking, expectation of fast delivery, self-service info, believe it's all on the web, gaming, virtual realities, high transparency (Facebook, MySpace), online photo sharing, less TV more online news and blogs

### Web 2.0 Phenomenon (incl. IR's)

- Users build networks (professional, recreational, etc.)
- People are the content of sites (O'Reilly)
- Interactivity
- Emphasis on ease of use, online sharing & collaboration
- High transparency

```
Aggregators Folksonomy Wikis

Blogs Participation SIX Degrees Usability Midgets

Recommendation Social SoftwareFOAF

Recommendation Social SoftwareFOAF

Videocasting Podcasting Collaboration Perpetual Beta Simplicity AJAX

Audio IM Video Web 2.0 Pesign

Convergence Web 2.0 CSS Pay Per Click

LIMTS Mobility Atom XHTML SVG Ruby on Rails VC Trust Affiliation

OpenAPIs RSS Semantic Web Standards Economy

OpenID Remixability REST StandardizationThe Long Tail

DataDriven Accessibility

Modularity SOAP Microformats Syndication
```







# **Library Governing Structure**







**Deputy Director** Mrs Hilda Kriel



Ujala Satgoor



Monica Hammes

cc2008 Smith

### **Library eService Unit**



Deputy Director Dr Heila Pienaar



IR Manager & eApplication Specialist
Mrs Ina Smith

Specialists, e.g.
Research Articles,
Metadata, IT, Copyright, etc.



Web Manager Mrs Christelle Steyn



Digitization Coordinator
Mrs Ria Groenewald



#### **Currents in Open Access Movement**

#### Two currents in OA movement:

OA self-archiving in institutional repositories

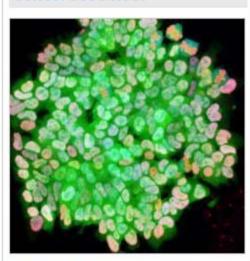
("green" road to OA)

OA publishing ("gold" road to OA – see e.g. DOAJ)

Source: http://en.wikipedia.org/wiki/Open\_access



#### October 2008 Issue



**PLoS Biology** is a peer-reviewed open-access journal featuring research articles of exceptional significance in all areas of biological science, from molecules to ecosystems.

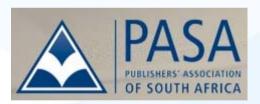
## **Open Access in South Africa**

- Institutional Repositories (15)
- Open Access Journals (12)



## **Open Access Publishers – role players?**





150+ members

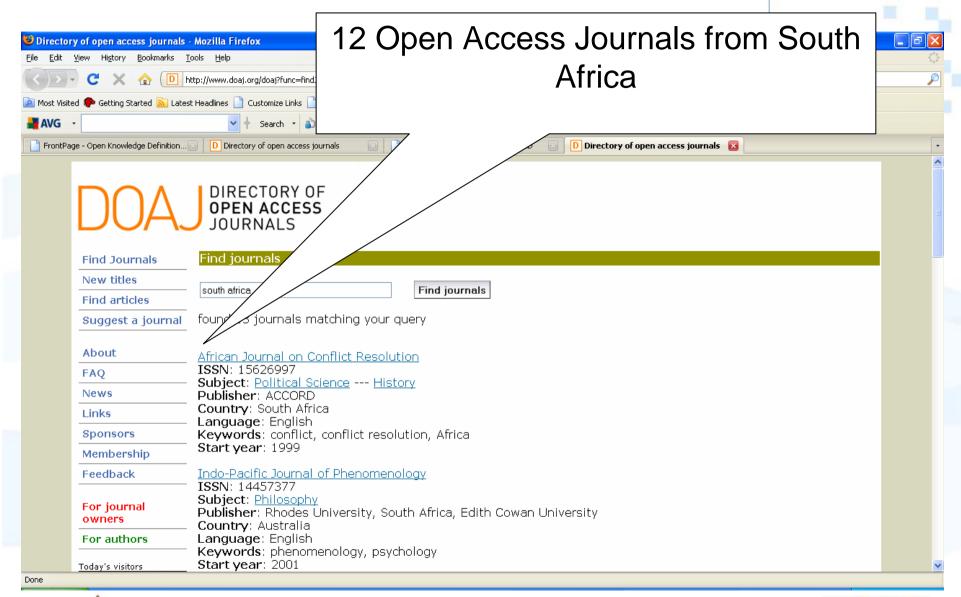




Publishers, Universities ...

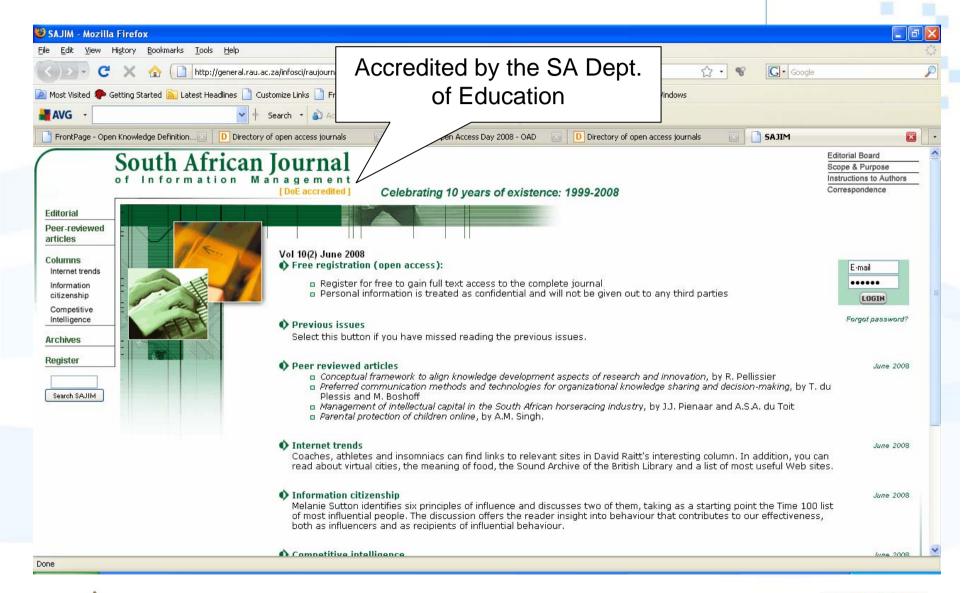








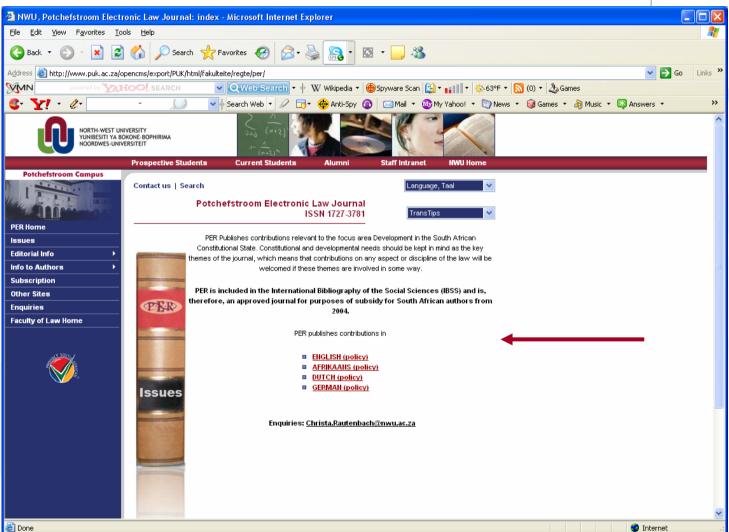








#### Potchefstroom Electronic Law Journal







#### **Institutional Repositories**

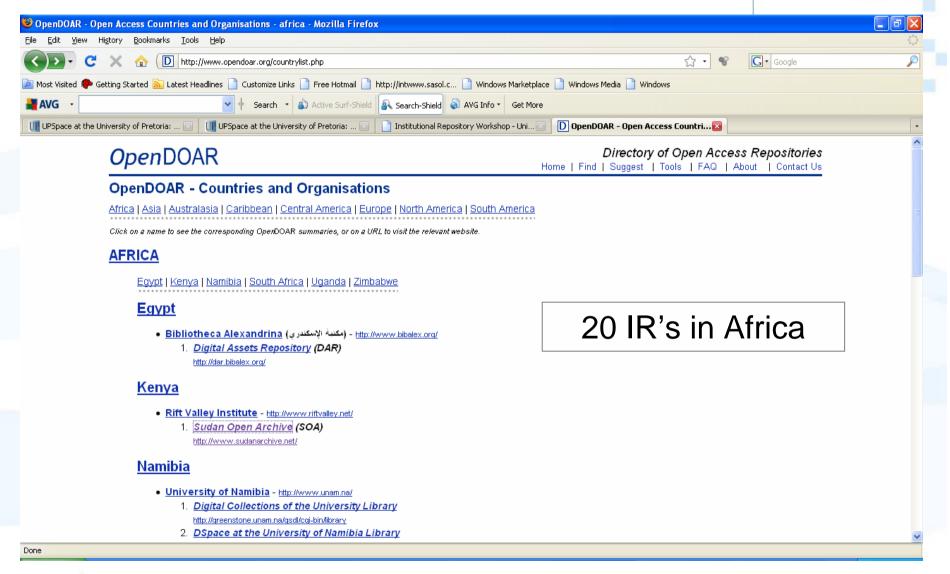
"An institutional repository is a **set of services** that an institution offers to the members of its community for the **management and dissemination of digital materials** created by the institution and its community members.

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."

Clifford A. Lynch, "Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age" ARL, no. 226 (February 2003): 1-7.



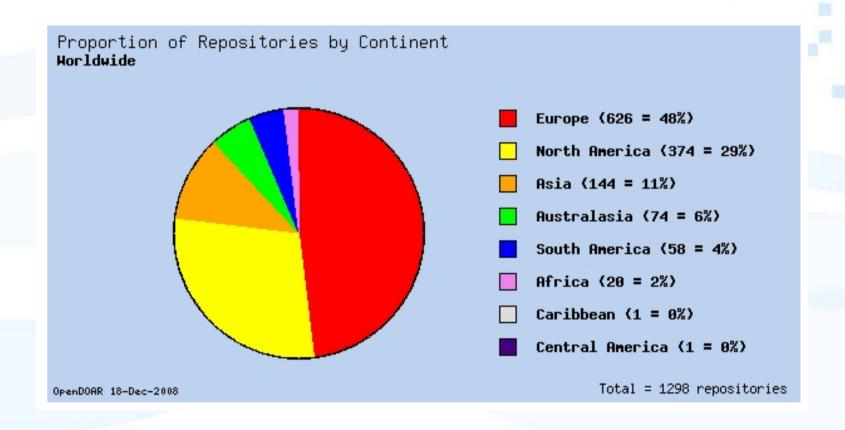








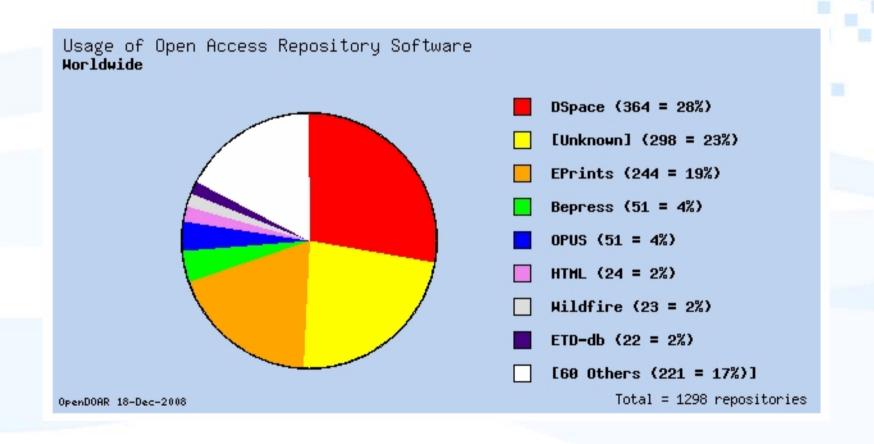
### **Repositories by Continent**







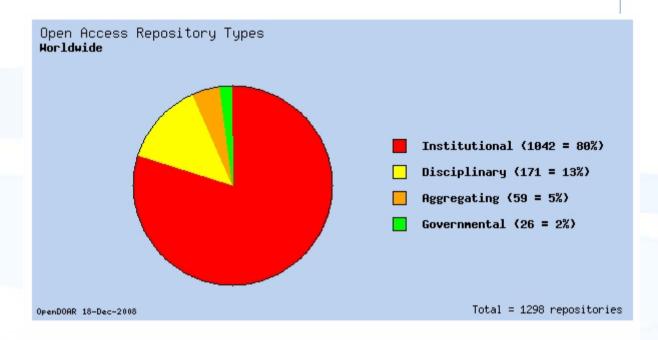
#### **Usage of Repository Software**







# **Repository Types**



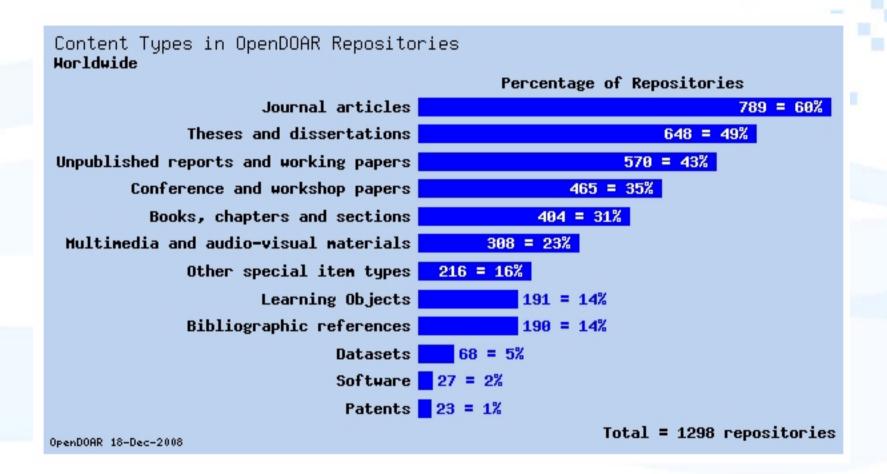
#### Further Explanation of Repository Types

Undetermined	A repository whose type has not yet been assessed
Institutional	An institutional or departmental repository
Disciplinary	A cross-institutional subject repository
Aggregating	An archive aggregating data from several subsidiary repositories
Governmental	A repository for governmental data





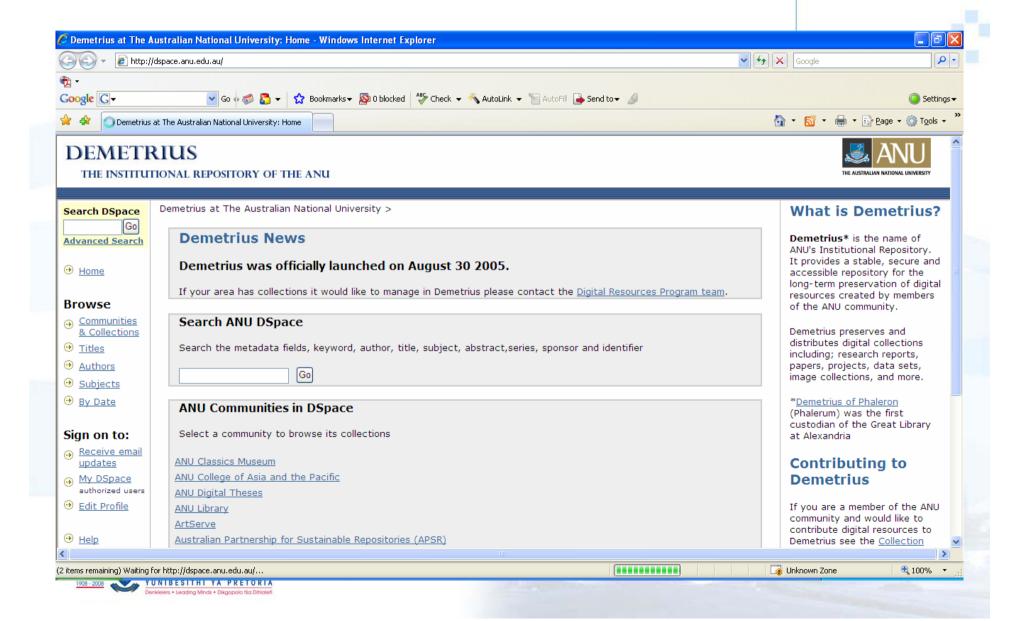
#### **Content Types**



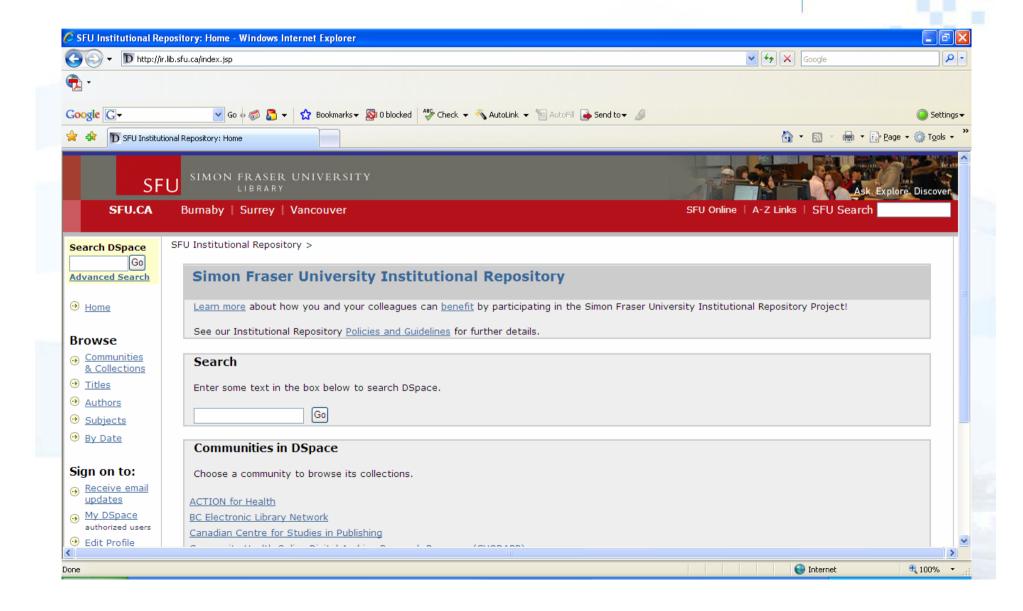




#### **Australian National University**



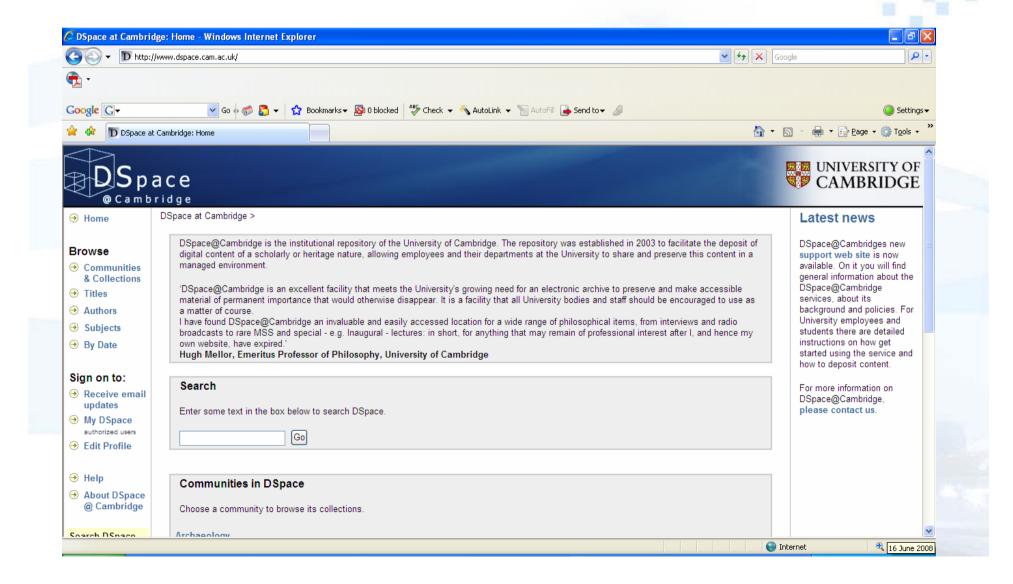
### **Simon Fraser University**



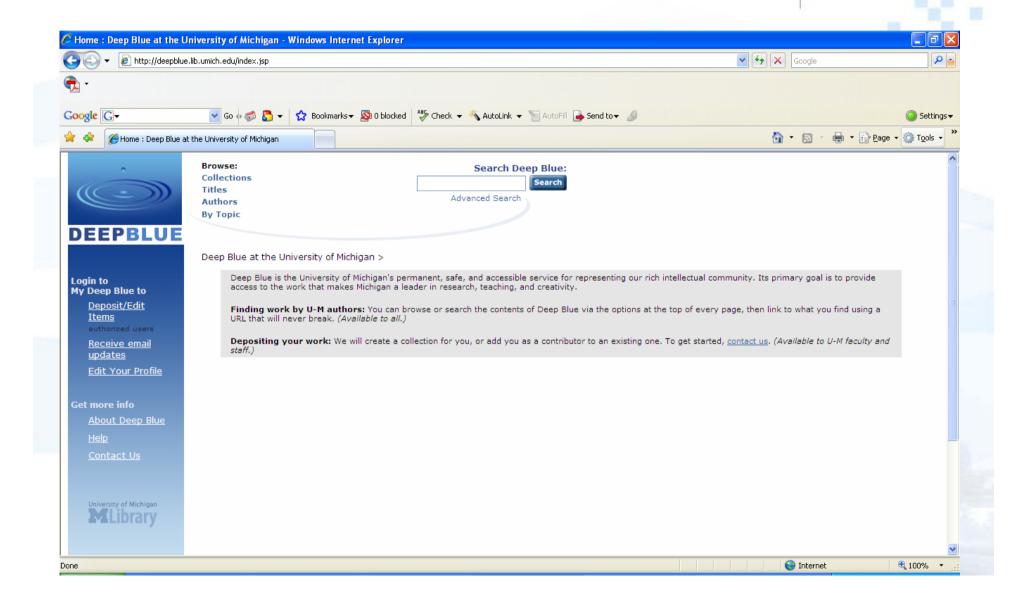
# **University of Tokyo**

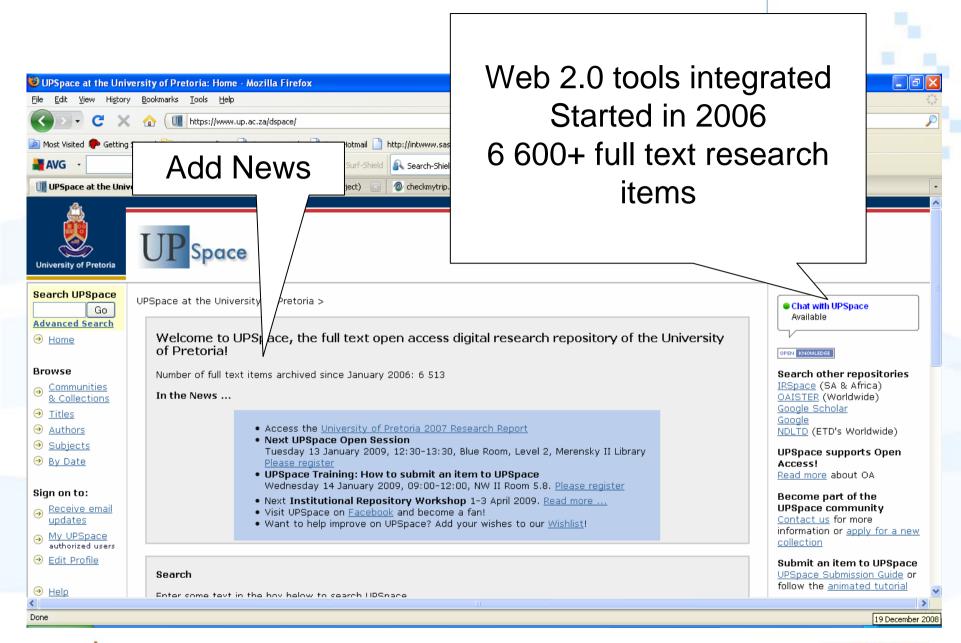


## **University of Cambridge**



## **University of Michigan**















#### Ways to use Institutional Repositories

- Scholarly communication
- Electronic publishing
- Managing collections of research documents
- Preserving digital materials for the long term
- Housing digitized collections
- Knowledge management
- Encouraging open access to scholarly research
- Adding to the university's prestige by showcasing its academic research





#### **Types of Material**

- Research (scholarly) articles (published peer-reviewed & pre-prints)
- Open lectures
- Conference papers & proceedings
- Image collections
- Audio and audio-visual material (Podcasts, Vidcasts)
- Digitized special collections which contain very unique material
- Technical reports
- Inaugural addresses
- Mini-dissertations (Theses & Dissertations currently on UPeTD)
- Data sets
- Newspaper clippings
- Web pages, e-mails
- E-Journals & E-Books
- And many more ...









Irrigation Water Value at Small-scale Schemes:

Evidence from the North West Province, South Africa

S. Speelman \*, S. Farolfi \*, S. Perret \*, L. D'haese \*, M. D'haese \*

- \* Department of Agricultural Economics, Ghent University,
- <sup>b</sup> CIRAD, UMR G Eau and Centre for Environmental Economics and Policy in Africa (CEEPA), University of Pretoria, South Africa
- CIRAD, UMR G Eau and Asian Institute of Technology, Thailand

#### Abstract

Insight into the value of water is essential to support policy decision making about investments in the water sector, efficient allocation of water and water pricing. However, information on irrigation water values at small-scale schemes is scarce and in general little attention is paid to the determinants of these values. In this study values are calculated for small-scale irrigation schemes in the North West Province of South Africa, using the residual imputation method. An average water value of USSO 188 in?, in line with expectations for vegetable crops, was found. Furthermore, the crop choice and the irrigation scheme design and institutional setting were shown to significantly infrarece the water value, whilst individual characteristics of finners proved to be less important.

#### Introduction

Rational decision making about water management issues requires reliable estimates of the economic value of water (Ward & Mchelshen, 2002, Hallegers, 2005; Hellegers & Perry, 2006; Hassain et al., 2007). Knowledge of this value is necessary when, for instance, making investment decisions concerning water resources development, policy decisions on sustainable water use and water allocations, or when the sociol-economic



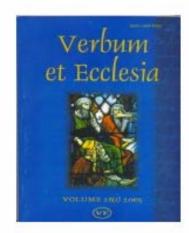




#### Publishing a journal

#### Verbum et Ecclesia

Community home page





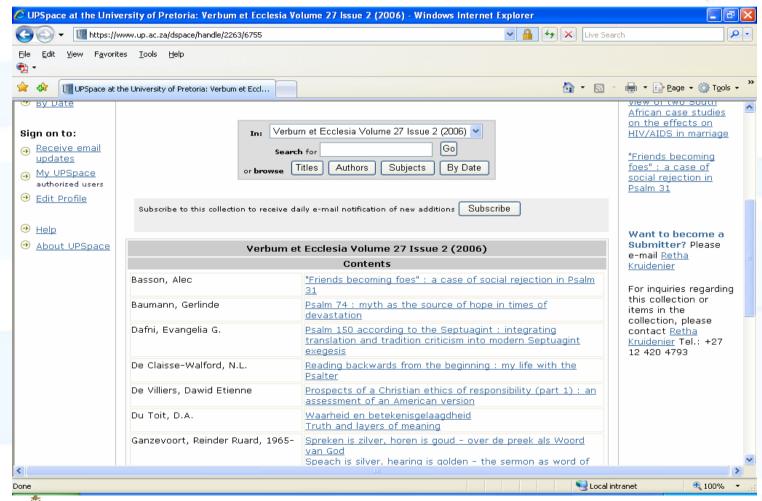
Verburn et Ecclesia is the academic journal of the Dutch Reformed Church at the <u>Faculty of Theology</u>, <u>University of Pretoria</u>. It is accredited by the South African National Department of Education, has an international board of editors, and all articles are peer reviewed. Previously published as *Skrif en Kerk*.

Vision





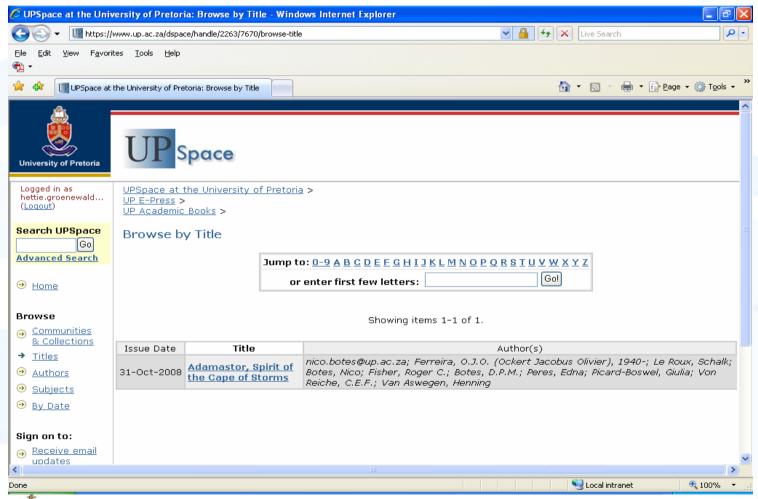
#### Index and links to articles



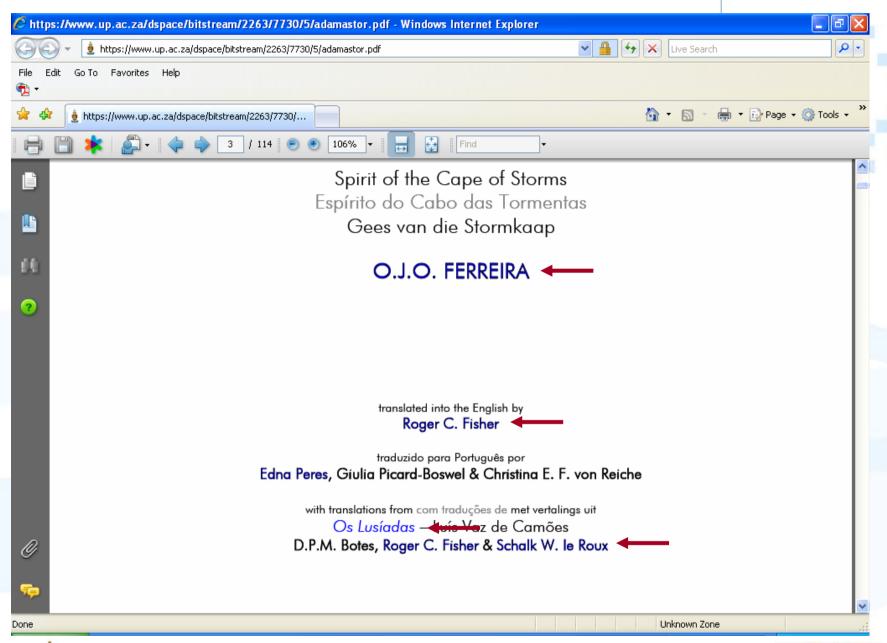


#### **UP Academic Books**

UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI YA PRETORIA



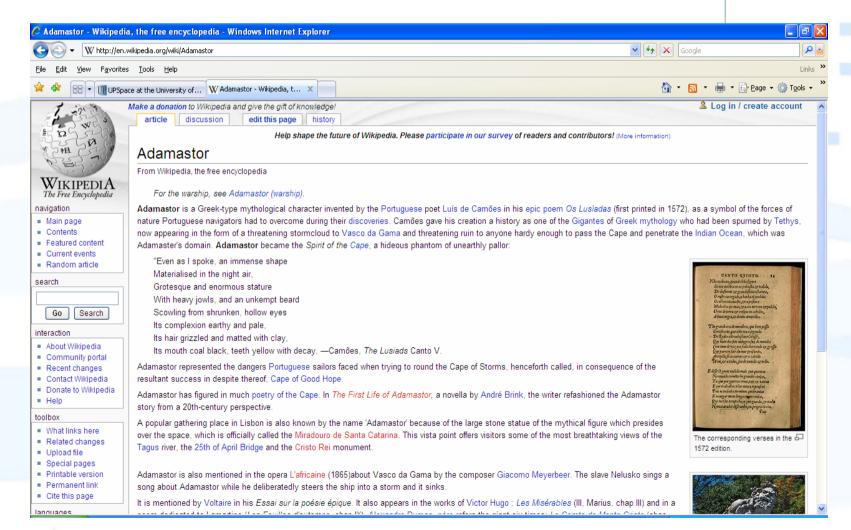






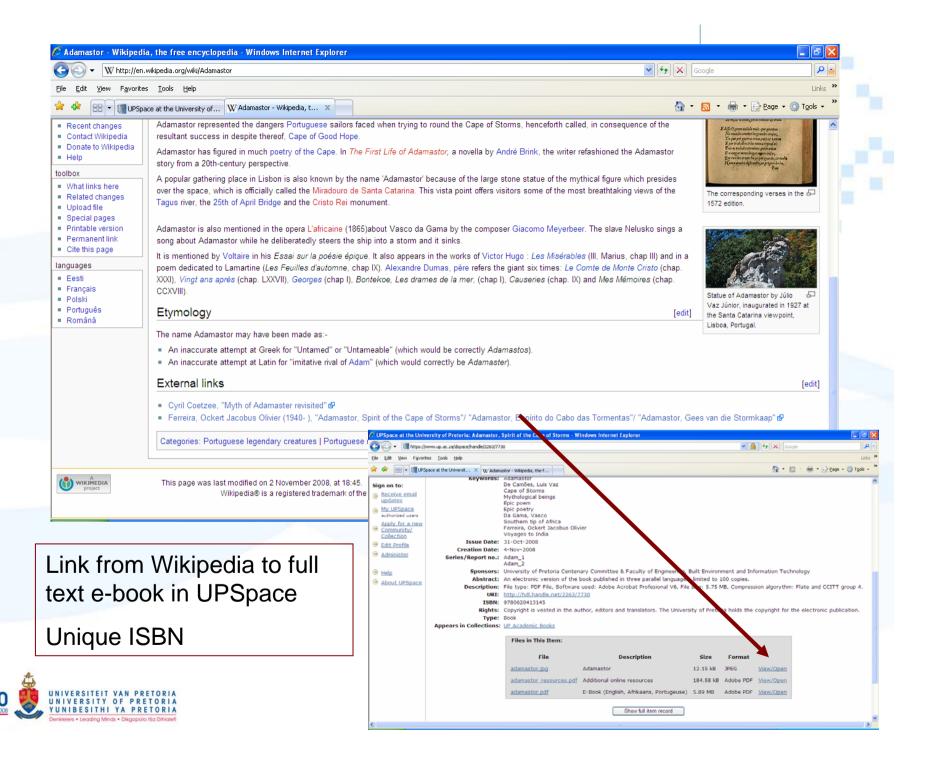


#### **Adamastor**

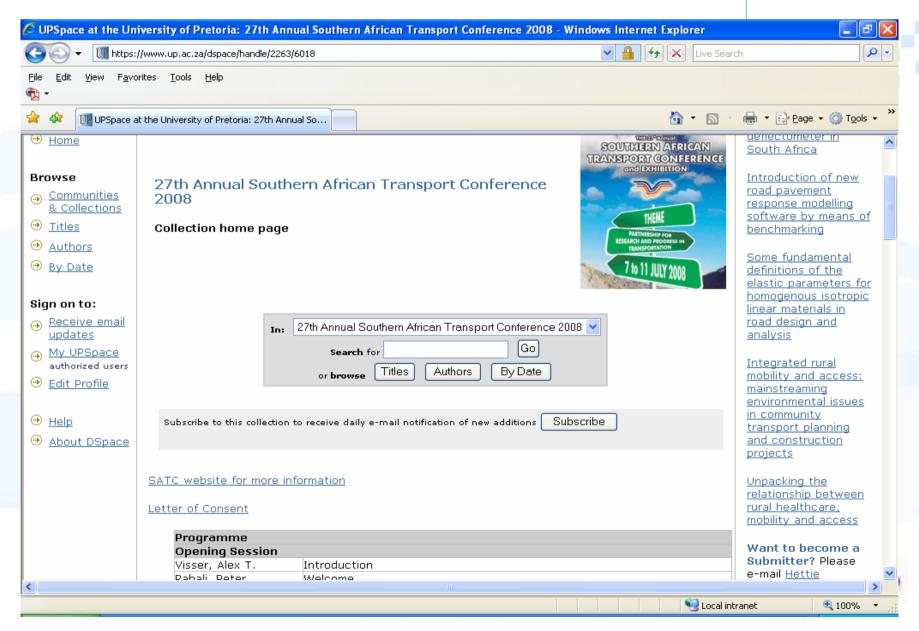




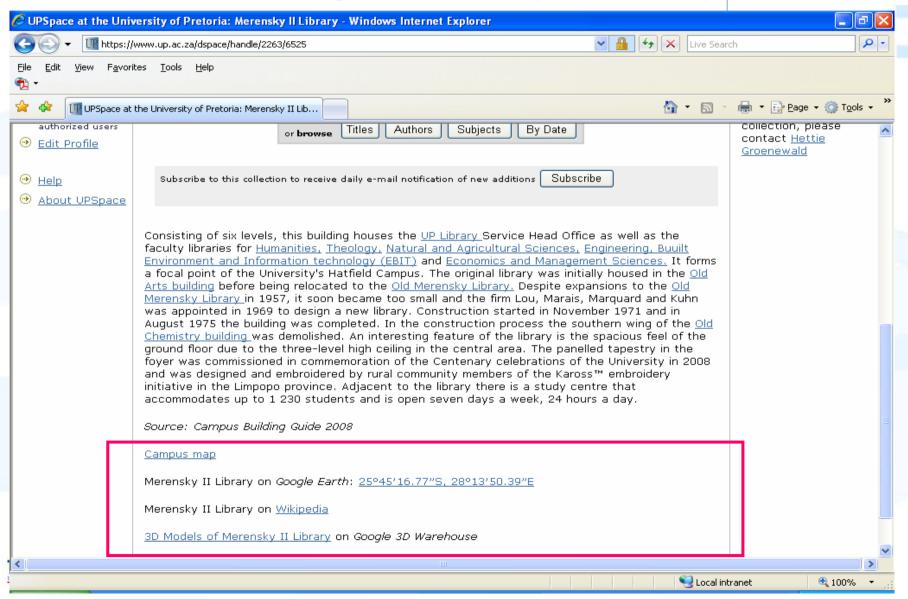


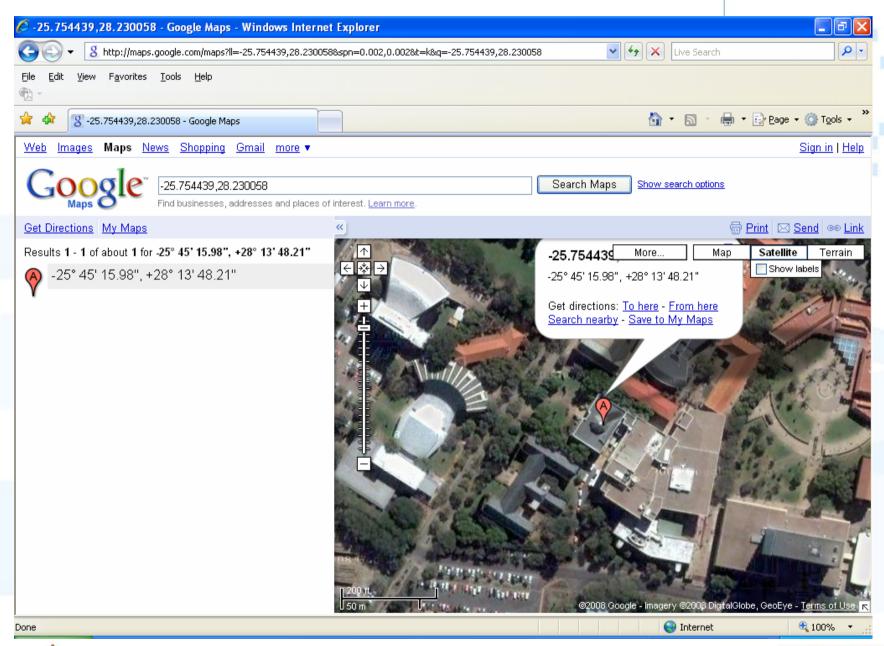


#### **Accredited International Conferences**



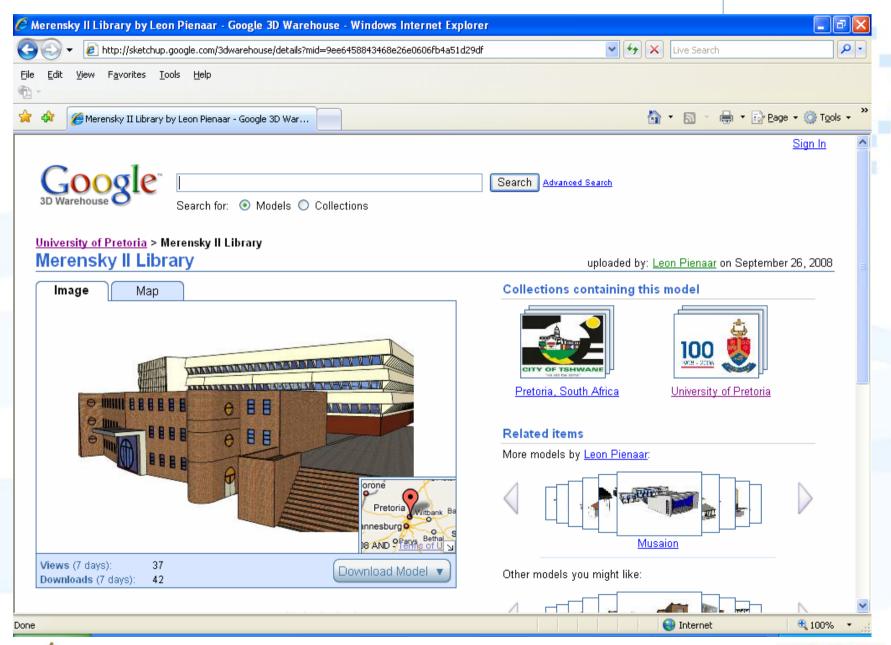
## Campus Buildings Merensky II Library





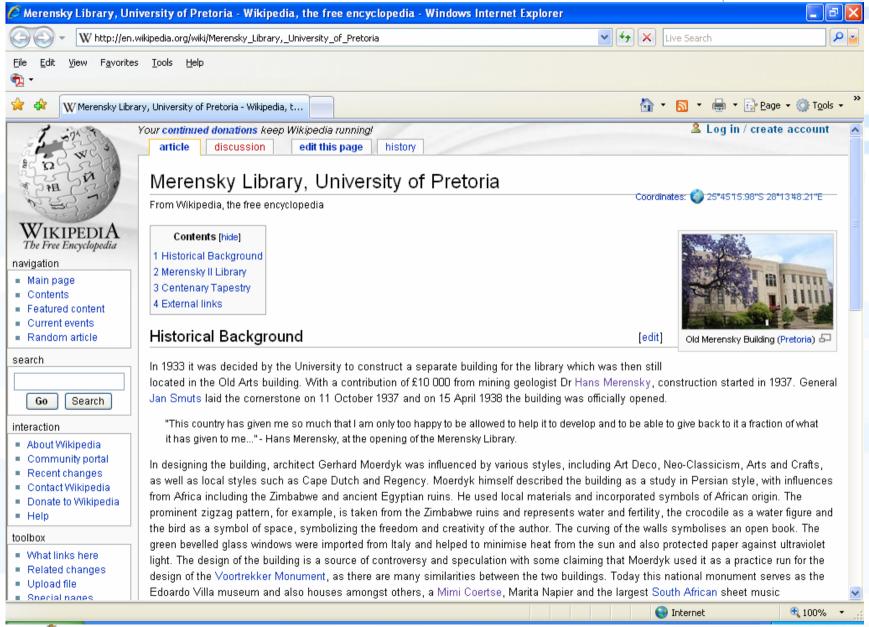
















#### **Events**



# Inaugural addresses

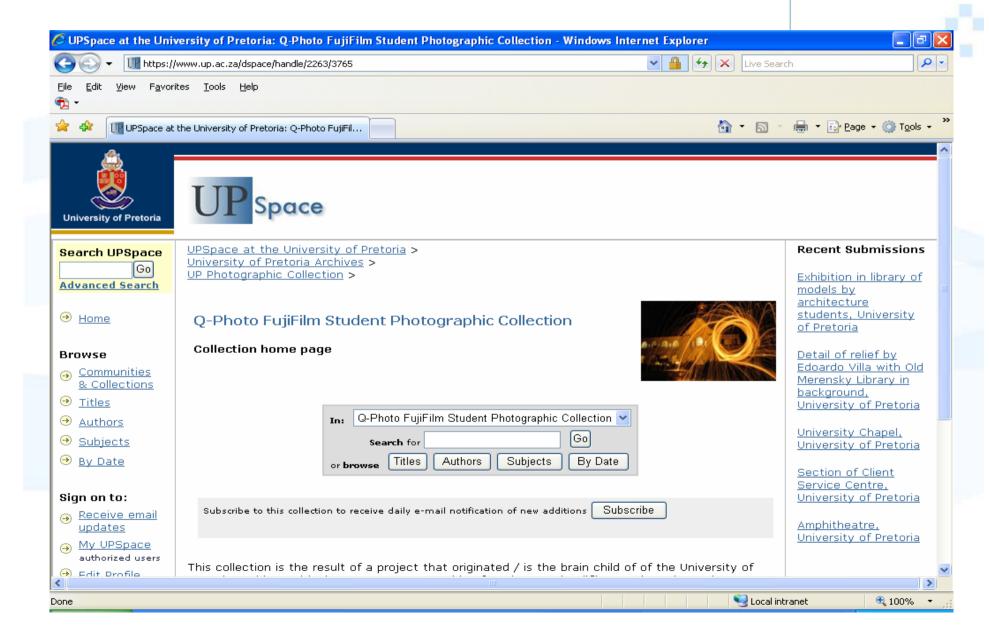
#### Files in This Item:

File	Description	Size	Format	
cukrowski presentation 2005.pdf	Inaugural address presentation	2.94 MB	Adobe PDF	<u>View/Open</u>
cukrowski invitation 2005.pdf	Invitation to inaugural address	19.43 kB	Adobe PDF	<u>View/Open</u>
cukrowski photo 2005.jpg	Picture taken of Prof. A. Ströh (Dean of the Faculty for Natural and Agricultural Sciences), Prof. I. Cukrowski (Head of the Department of Chemistry), Prof. C.W.I. Pistorius (Principal of the University of Pretoria)	469.8 kB	JPEG	View/Open

View/Open



# Q-Photo FujiFilm Student Photographic Collection





# **SA National Veterinary Repository Onderstepoort Veterinary Institute Collection**

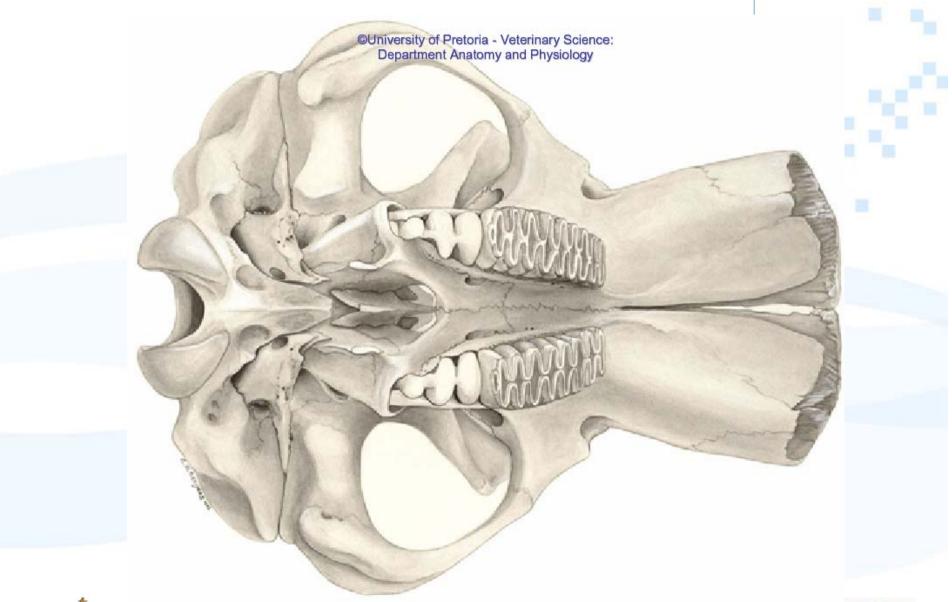
















# About DSpace <a href="http://www.dspace.org/">http://www.dspace.org/</a>

## Top Reasons to Use DSpace

Largest community of users & developers worldwide more

Free open source software

Completely customizable to fit your needs more

Can manage & preserve all types of digital content - more text, images, moving images, datasets

Used by educational, government, private & commercial institutions

Can be installed "out of the box"

more

more

more





# **Benefits of an Institutional Repository**

- Research out quickly, worldwide
- Increases visibility, usage, impact of research "open access papers are read more widely, and, therefore, cited more frequently. The consequence of this is that they have greater impact" (Jones, Andrew and MacColl 2006)
- Open access to all also those who cannot afford subscribing
- Central archive of research
- Persistent URL
- Preservation function

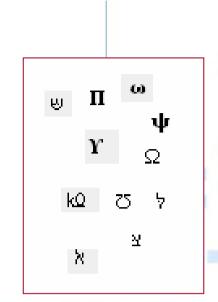




# Benefits (cont.)

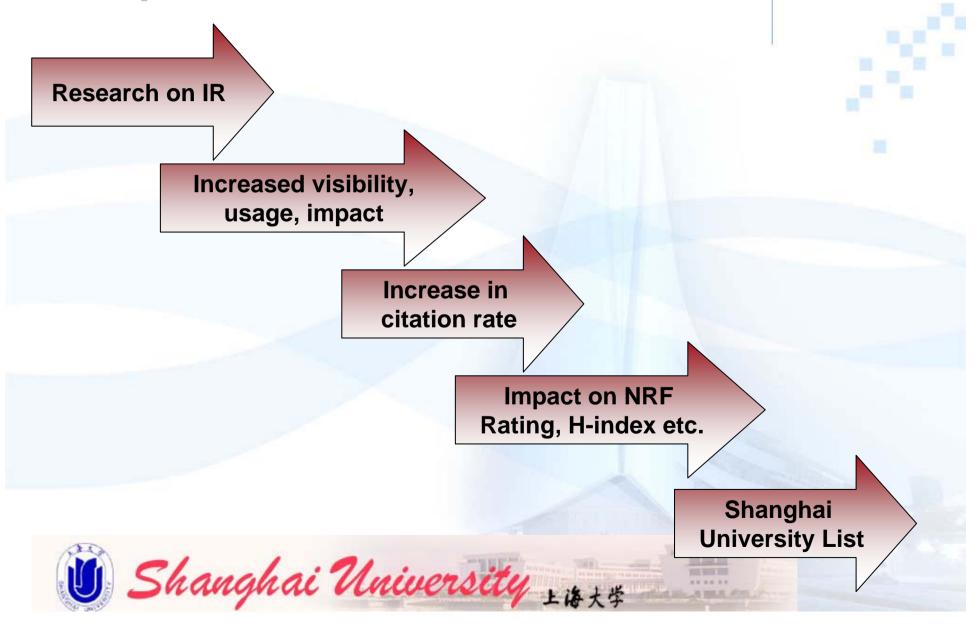
- Full text searchable
- E-workflow for quality control
- Distributed/ de-centralised input
- Limit access on various levels
- High level of security
- Each dept. has its own repository with collections, within the bigger UPSpace repository
- Can handle ALL types of characters (Unicode encoding scheme)
- Mapping
- Statistics for each item
- Information Model (Communities & Collections)







# Impact an IR can have on research



# **UPSpace Information Model** (3 levels or more)

### **Top-Level Community**

Faculty e.g. Economic and Management Sciences

### **Sub-Community**

Department e.g. Accounting

#### **Collections**

E.g. Conference Papers & Presentations (Accounting)
Mini-Dissertations (Accounting)
Research Articles (Accounting)
Open Lectures (Accounting) etc.





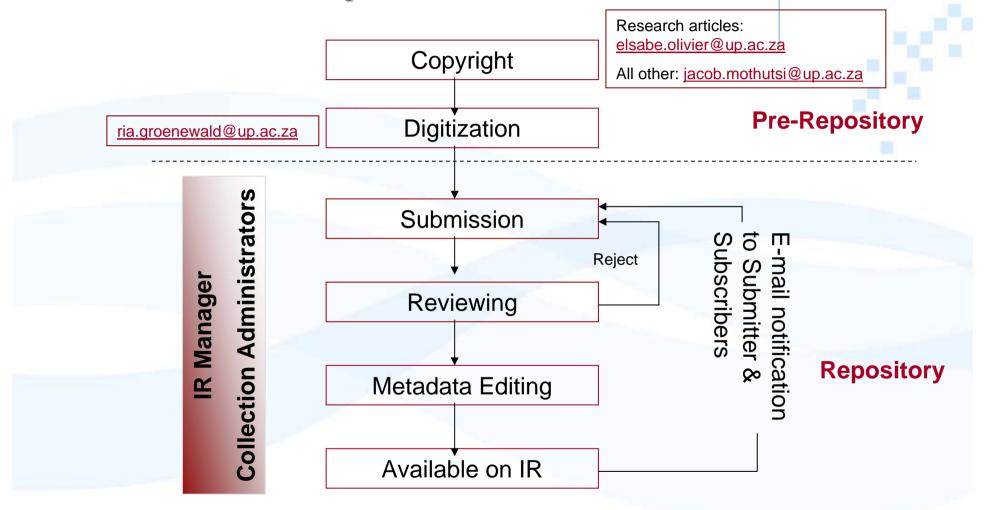
#### **Functionalities**

- Access metadata, full text
- Print, e-mail, save, read
- Search basic & advanced, full text
- Subscribe to a Collection
- Supervise an item
- Limit access on various levels
- Acknowledge rights & copyright
- License granted





# **Roles & Responsibilities**



Other role players: Specialists, IR IS&T Manager





# International Harvesters & Registries













#### **OpenDOAR**

The Directory of Open Access Repositories - OpenDOAR

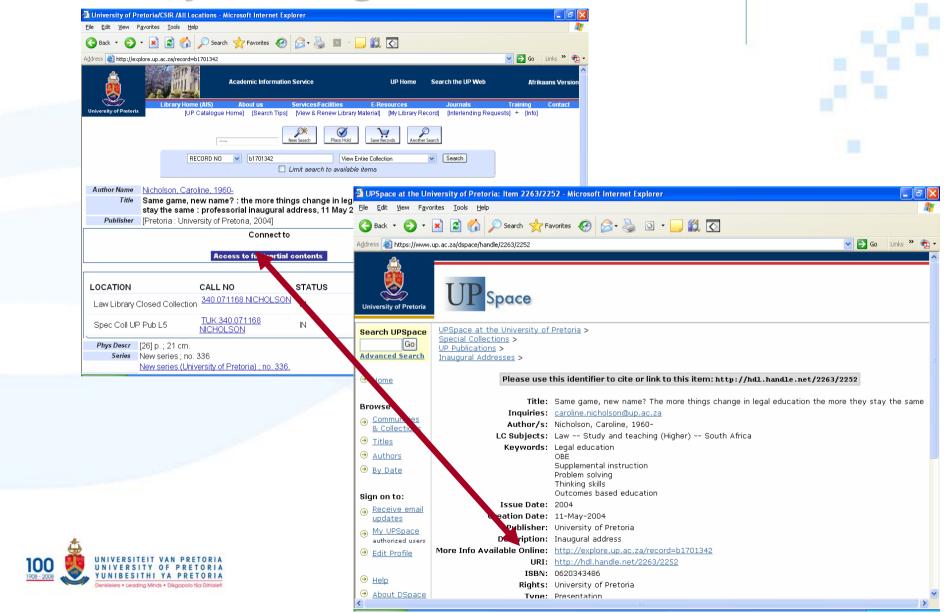
IRSpace - Search SA research repositories



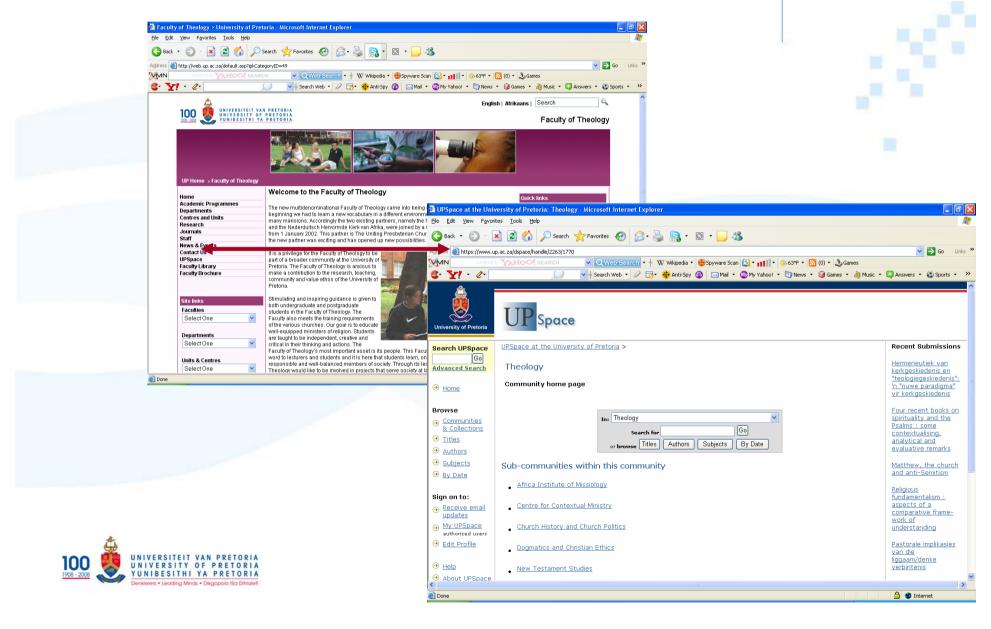


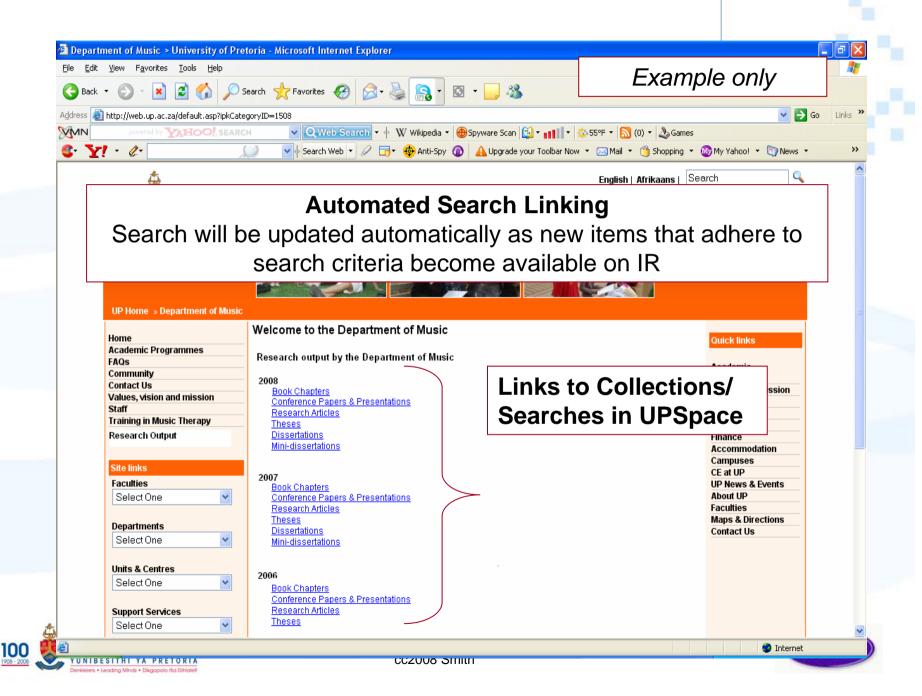


# **Library Catalogue**

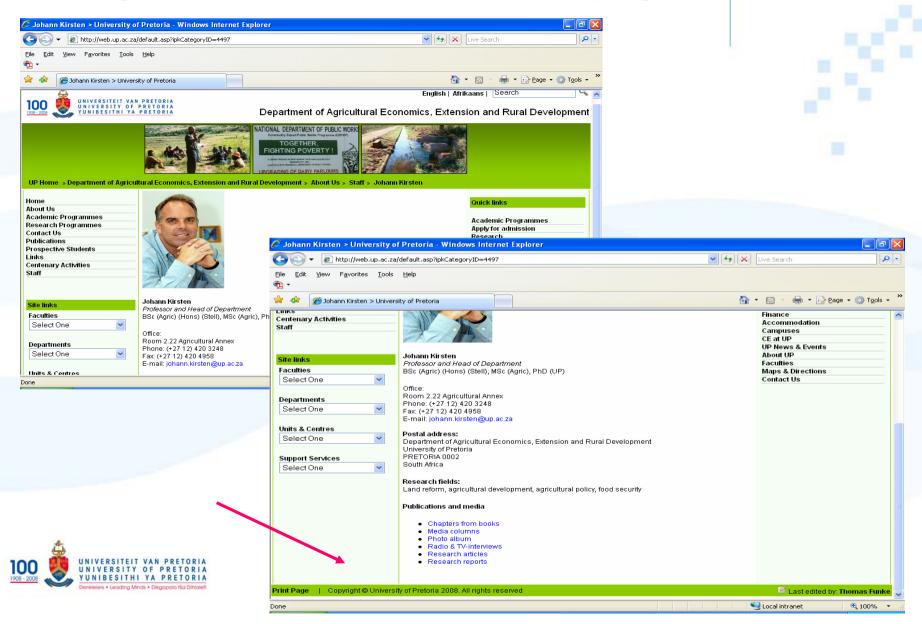


# **Faculty Web Pages**





# Integration: Researcher's web page



# Integration: Learning Management System

#### Theme 3: Life Cycle Management

- ڰ Azapagic A, Perdan S, Clift R (2004). Sustainable development in practice: Case studies for engineers and scientists. Wiley
- Labuschagne C, Brent A.C. (2005). Sustainable Project Life Cycle Management: The need to integrate life cycles in the manufacturing sector. [459 KB] International Journal of Project Management, 23 (2), 159-168.
  UPSpace: SLCM Research articles

DatabasesIndexes to search for journal articles, reports, conferences, etc.

Access to **Library e-resources** can be obtained by using your annual Library Registration

Student/Personnel no. eg. 27438923 (CSIR staff: 6 digits)

Enter PIN.

Leave empty if you have no PIN and follow instructions to select own PIN

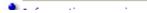
Inquiries: Marietjie van der Westhuizen: (012) 420 3631

Open access

UPSpace collections: Sustainable Life Cycle Management

- Conference Papers & Presentations
- Media & Communication
- Research Articles

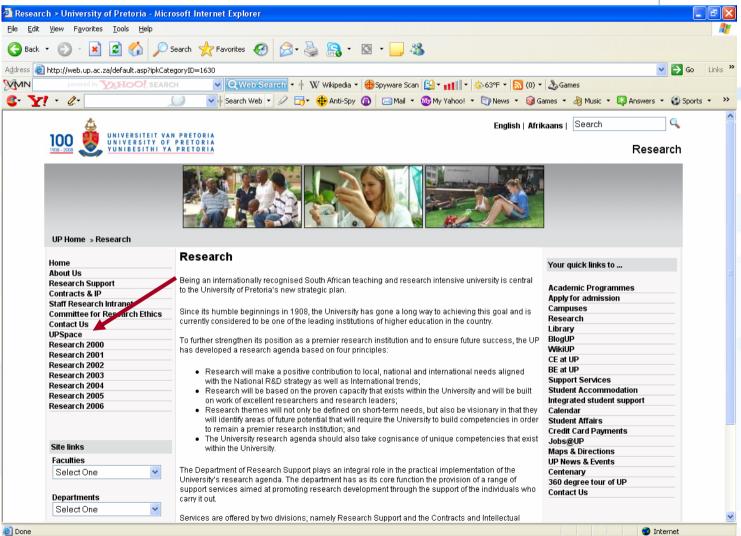
Electronic Theses and Dissertations (UPeTD)







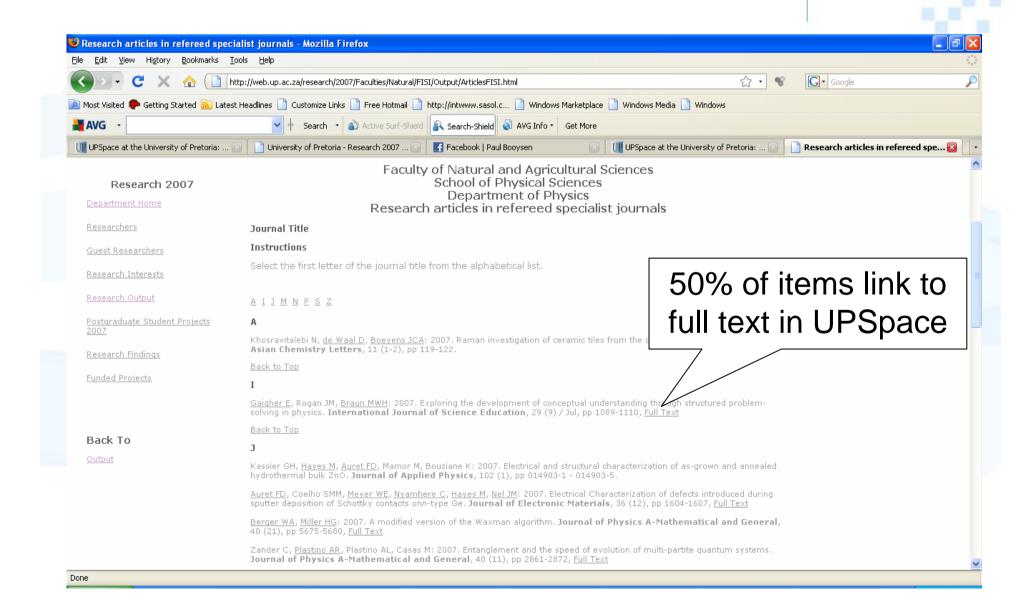
# Research Web Page





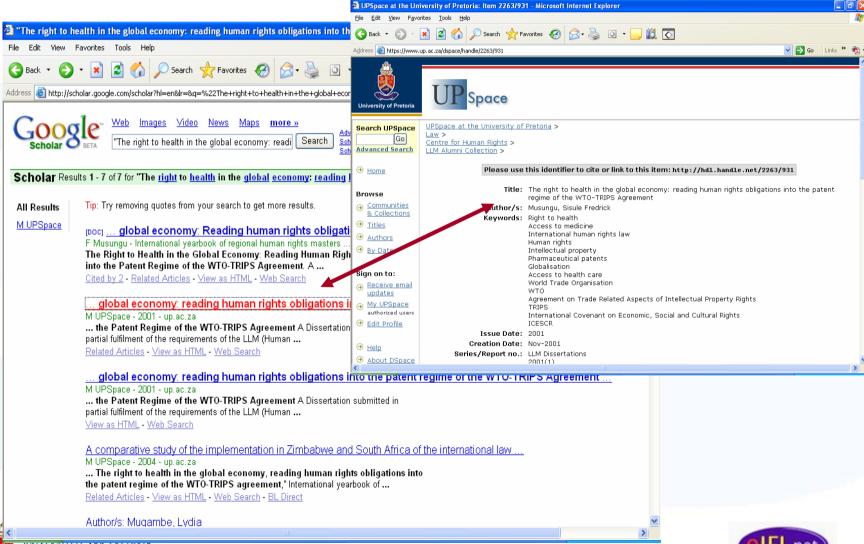


# Univ. of Pretoria Annual Research Report



# Google Scholar



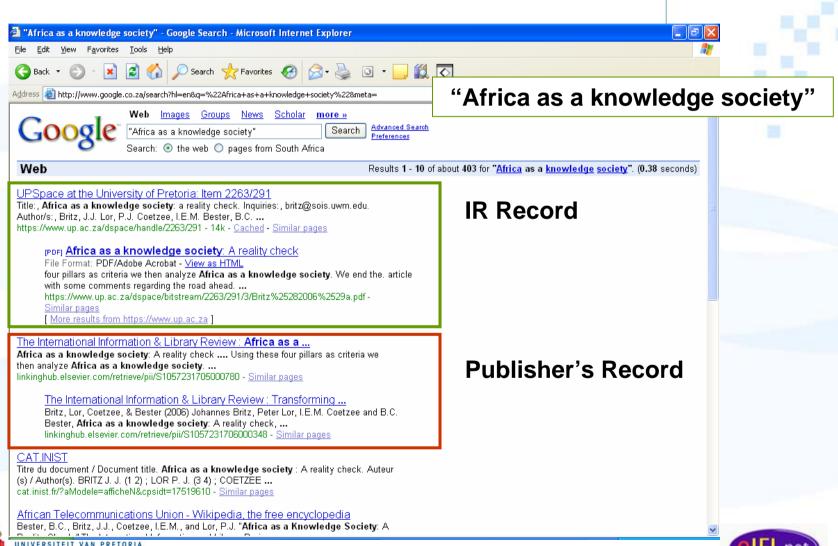




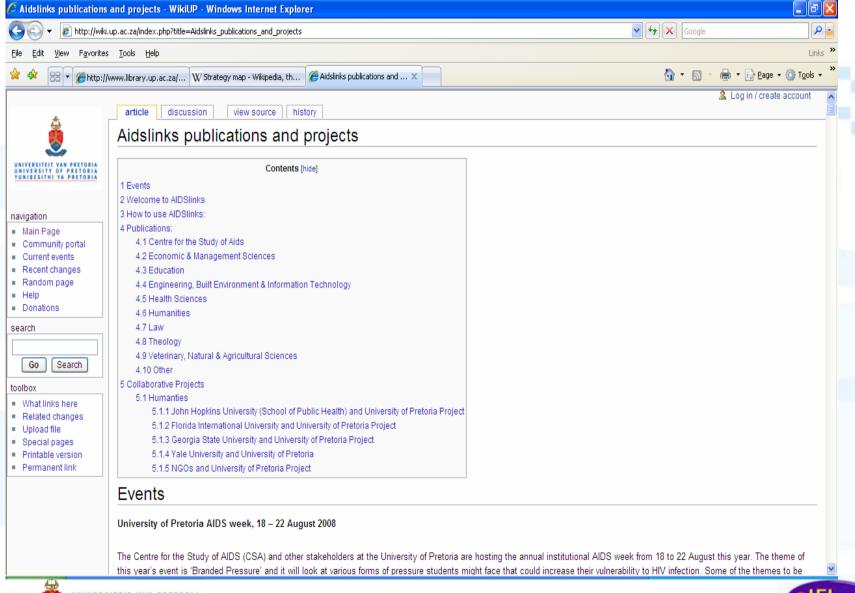


# Google



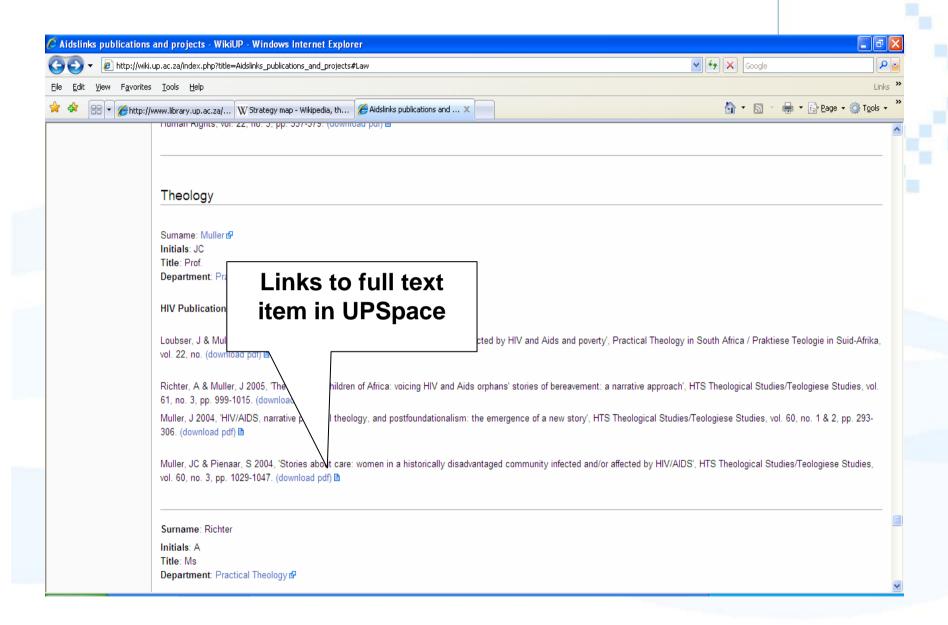






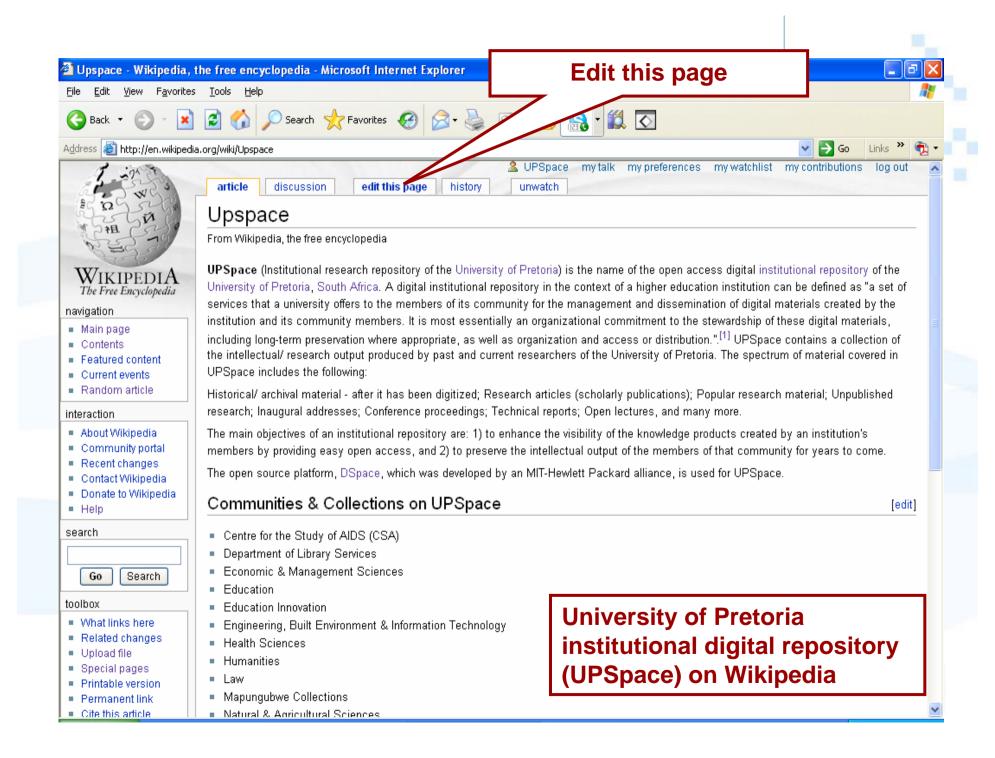


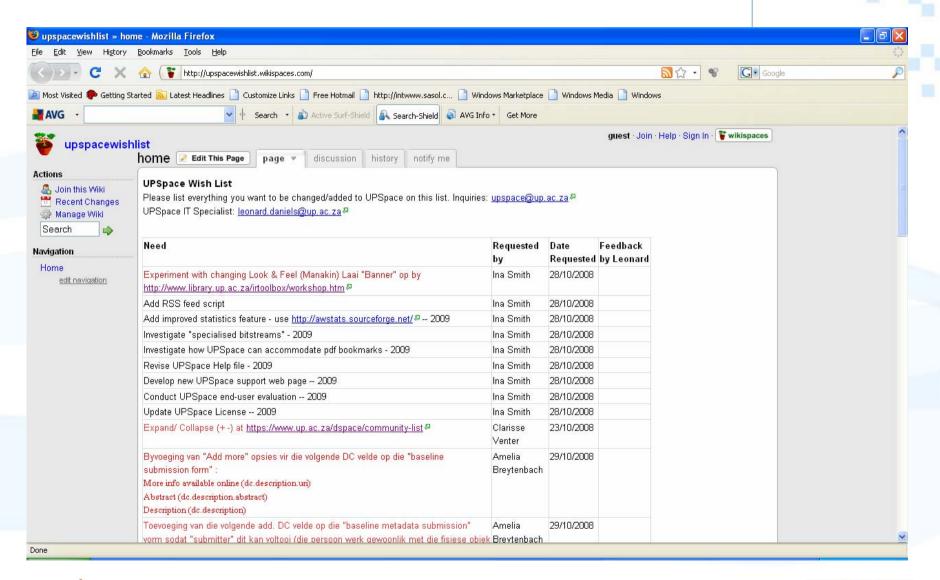






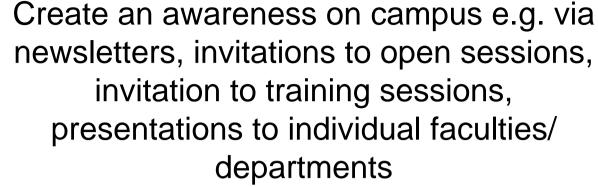














Mail From: "Campus news" <marketing@postino.up.ac.

Properties Personalize Message Source
From: "Campus news" <marketing@postino.up.ac.za>

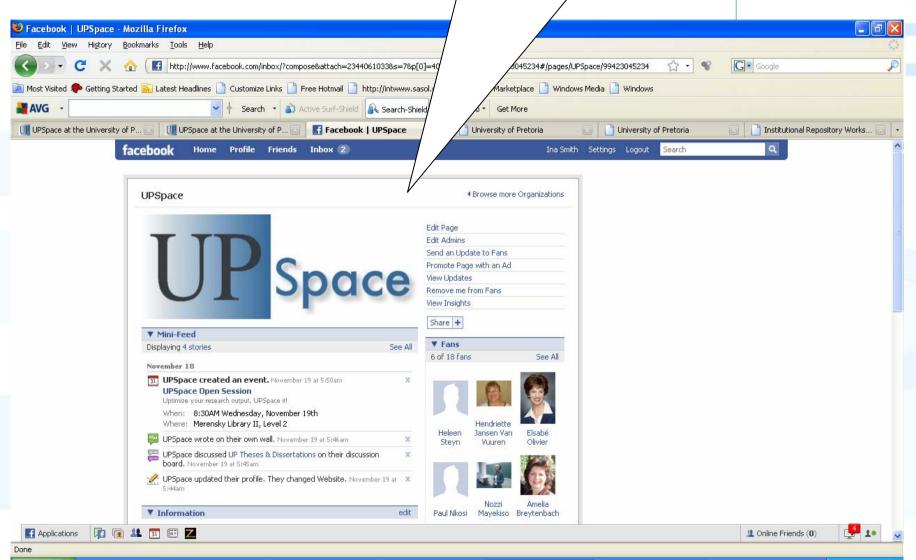
To: UP Campus

BC: Ina Smith



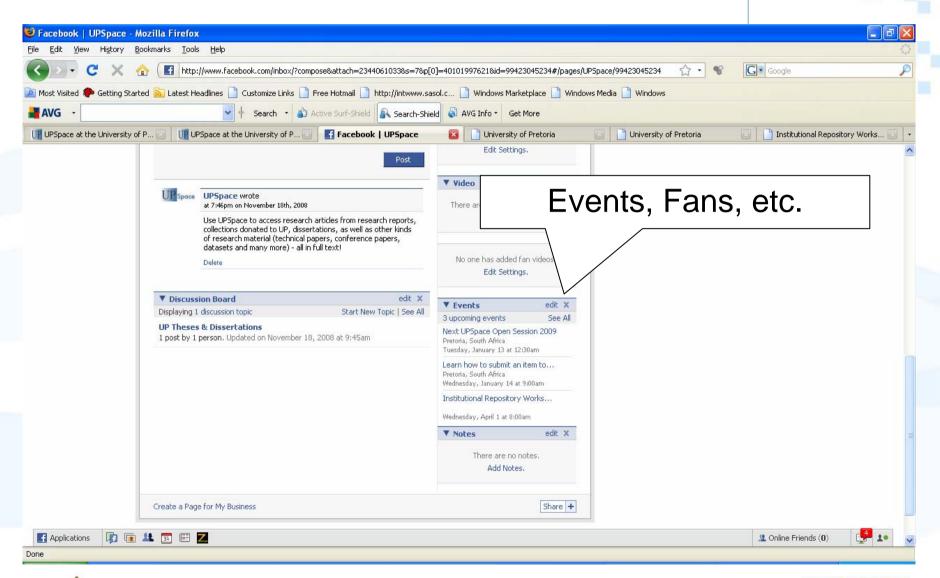


### **Business Facebook Presence**





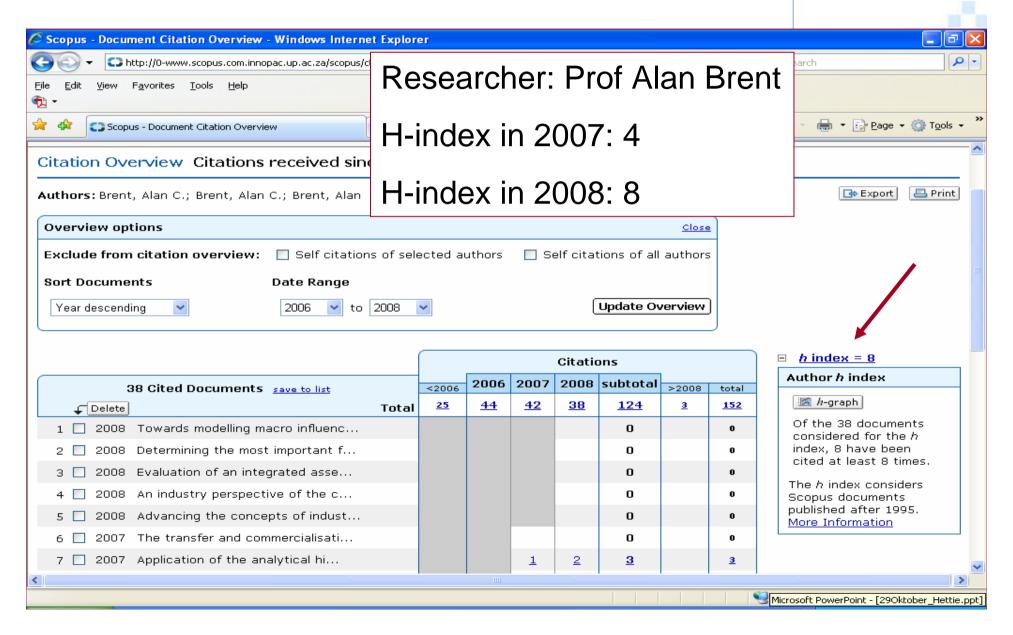








### **Scopus and H-index**

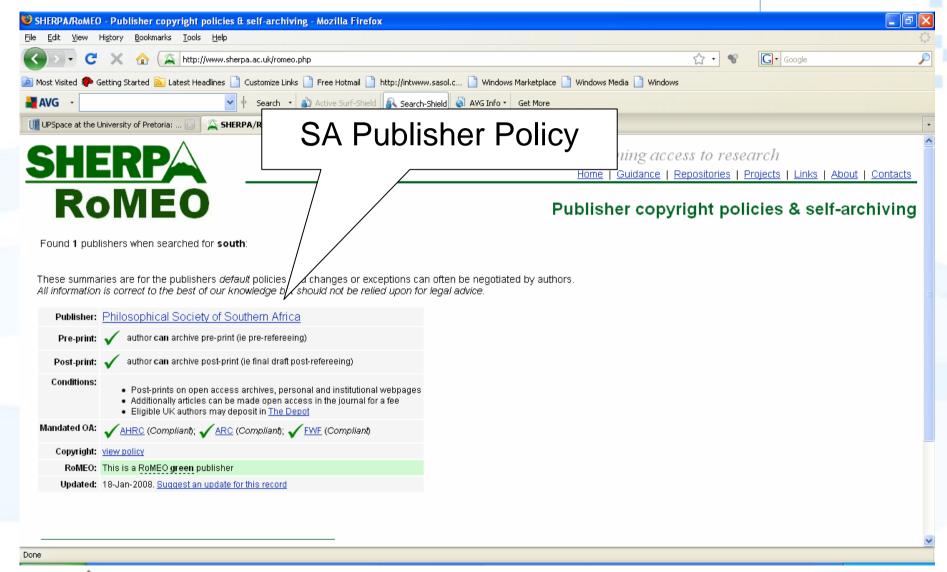


### How do we deal with Copyright?

- Theses & dissertations (postgraduate students) copyright belongs to UP
- Where copyright for research output were transferred to publisher:
- Ask author whether he still has copyright for his work. If not:
- Check on SHERPA RoMEO
- Check Publisher's Web Sites
- E-mail publishers and request permission
- Negotiate & inform them what repositories are all about
- Letter of consent etc. on UPSpace

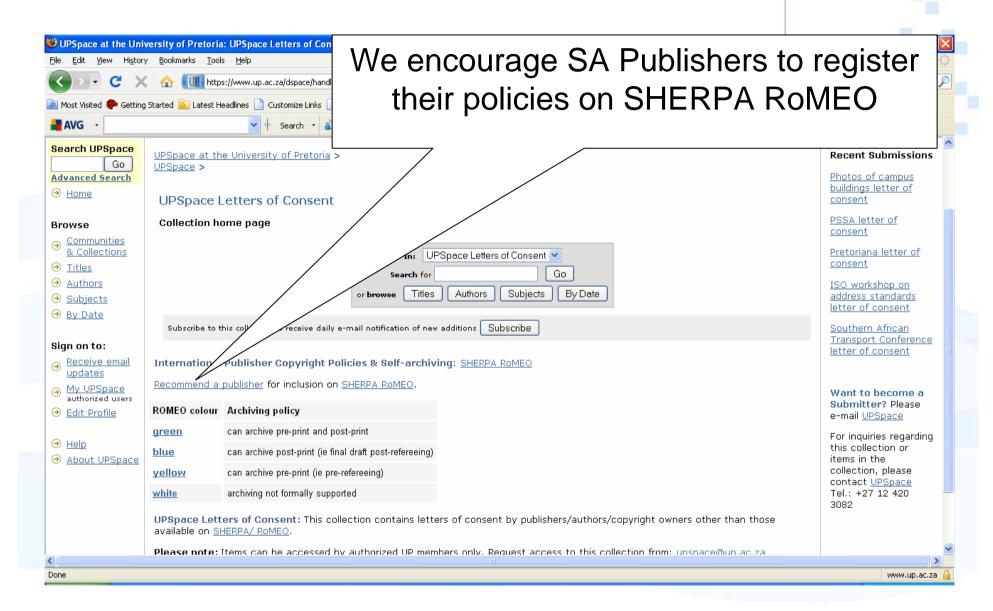






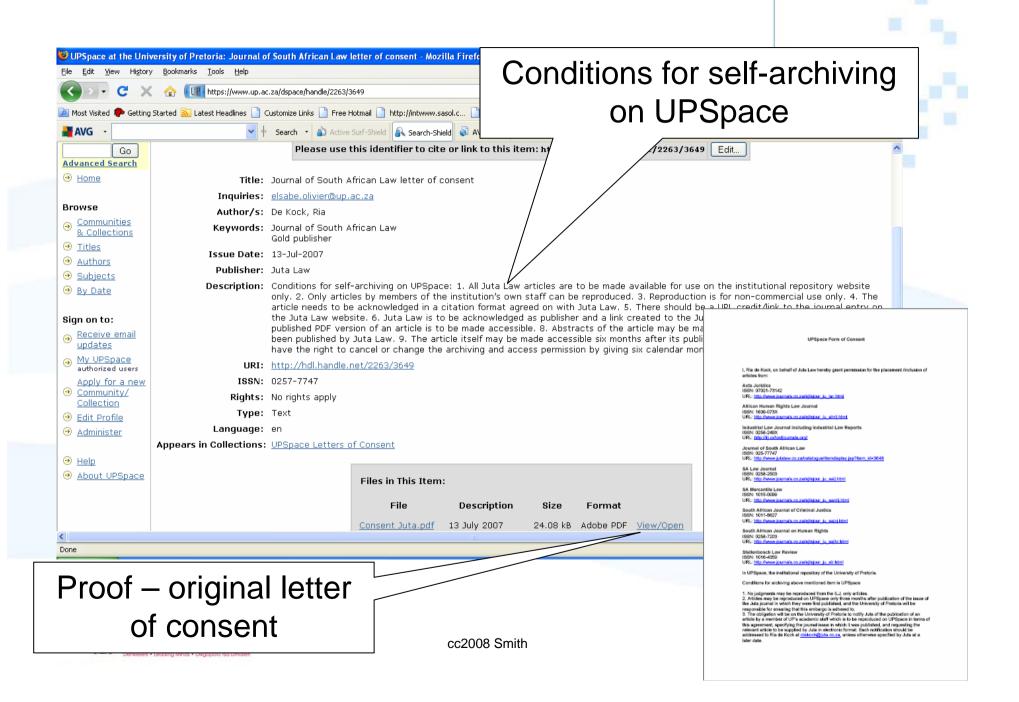












### Other South African OA Initiatives





# **Institutional Repository Workshops**

NRF Workshop

April 2008

10 delegates





**CHELSA Workshop** 

28-30 July 2008

20 delegates

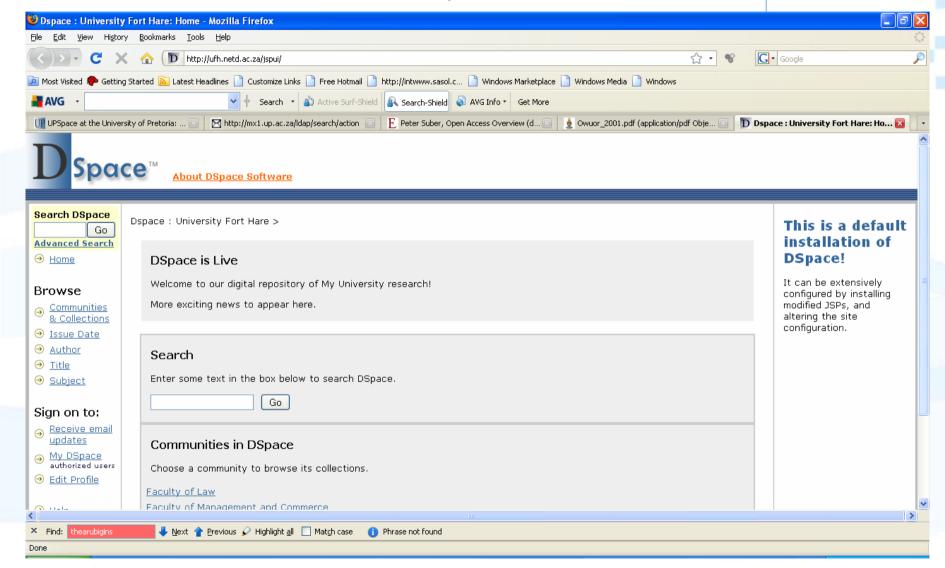
International Workshop

1-3 October 2008

50 delegates



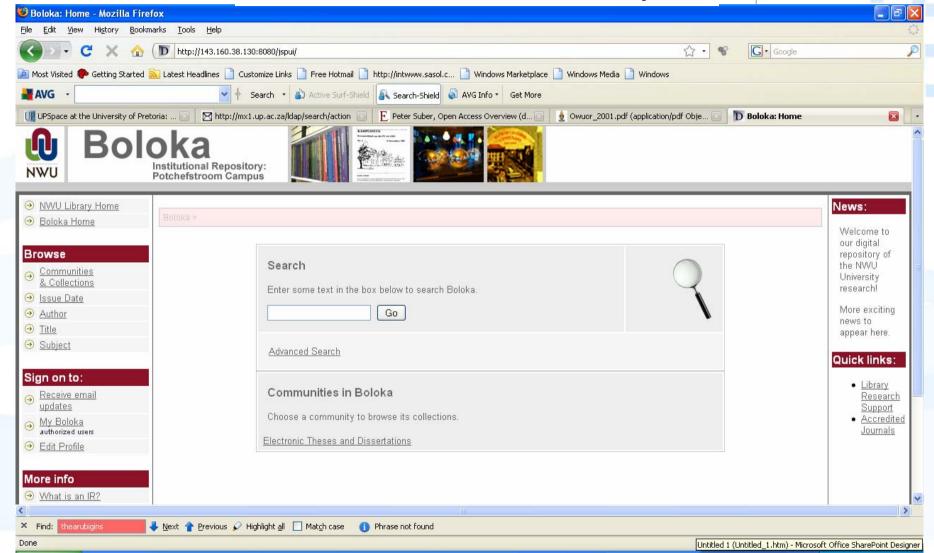
### University of Fort Hare







### North-West University







### **IRSpace**

- Mailing List Community of Practice
- Federated Search Engine that searches across all African repositories

IRSpace - Search African research repositories

Google\*\* Custom Search
Search

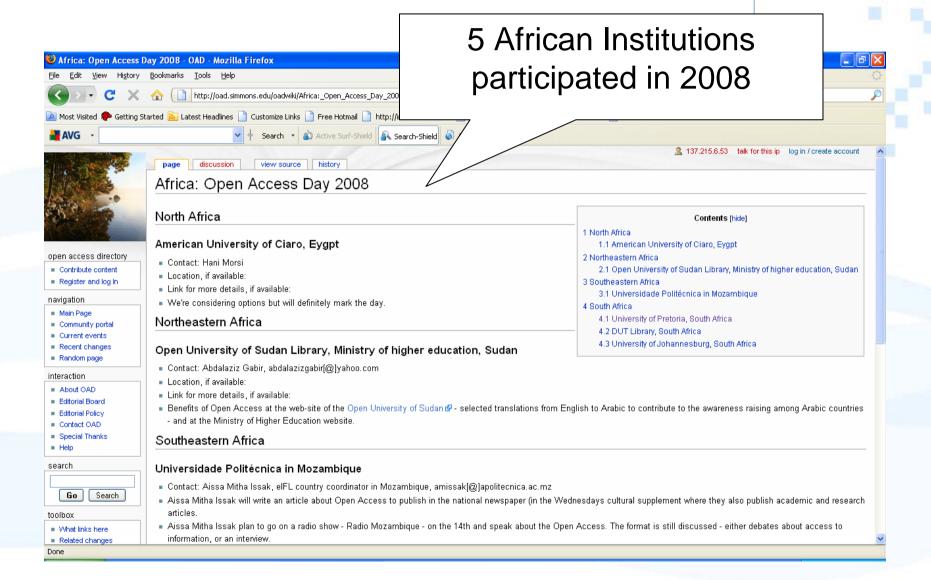






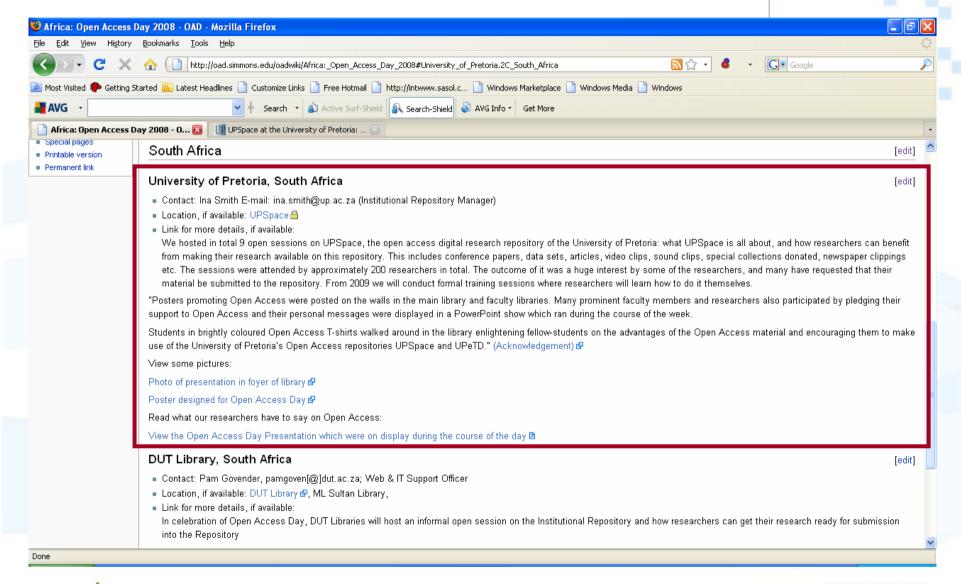






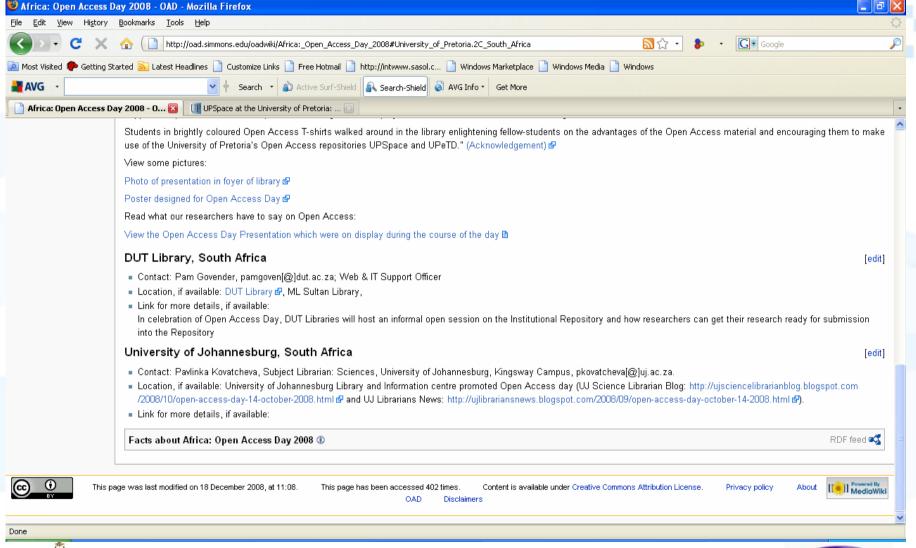














UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA

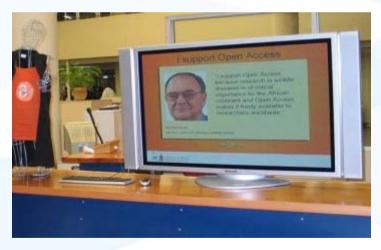
### Open Access Day @ UP

- 9 Open Sessions on UPSpace
  - Introduction to Open Access
  - UPSpace
  - Types of material
  - How researchers can benefit
  - Very simple submission process
  - Etc.

UPtimize your research output – UPSpace it!







#### Leading minds open doors

By sharing your research results you open the doors of knowledge to everyone with access to the web, Support the international Open Access Movement by opening up your research. Learn more about open access and how you can contribute:

#### Research articles

http://openup.ais.up.ac.za.or https://www.up.ac.za/dspacehande/2263/76

### Electronic theses and dissertations http://upetd.up.ac.its

openUP wiki http://wiki.up.ac.na/index.php?tide=openUP

UPSpace https://www.up.ac.za/dspace/

#### Open Access Day 14 October 2008

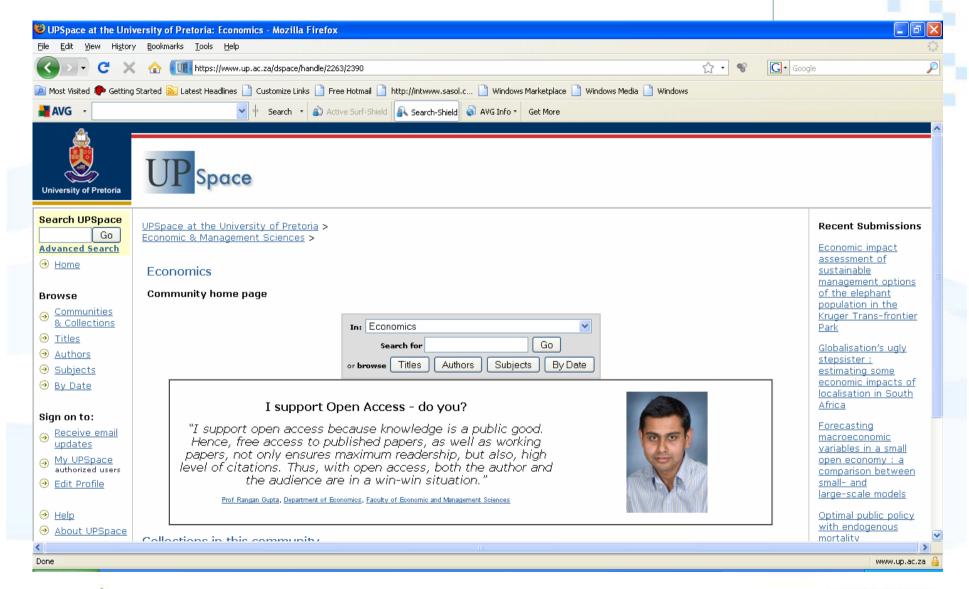


www.up.sc.za



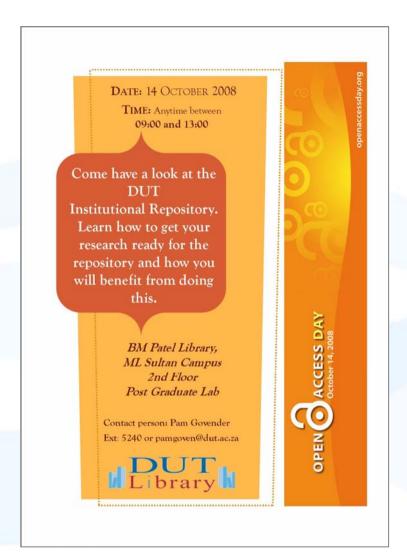








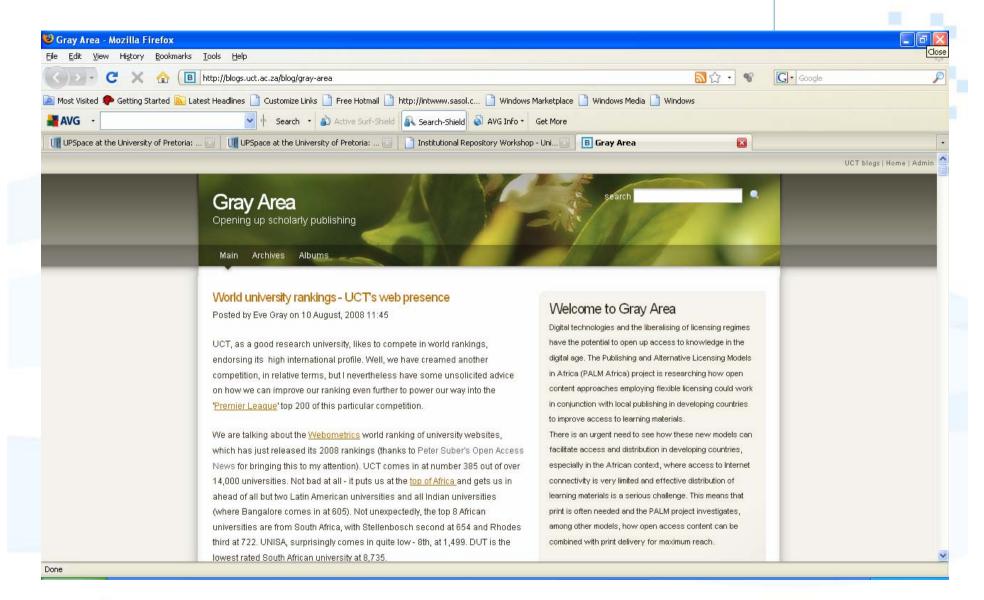
















### International Initiatives & Collaboration

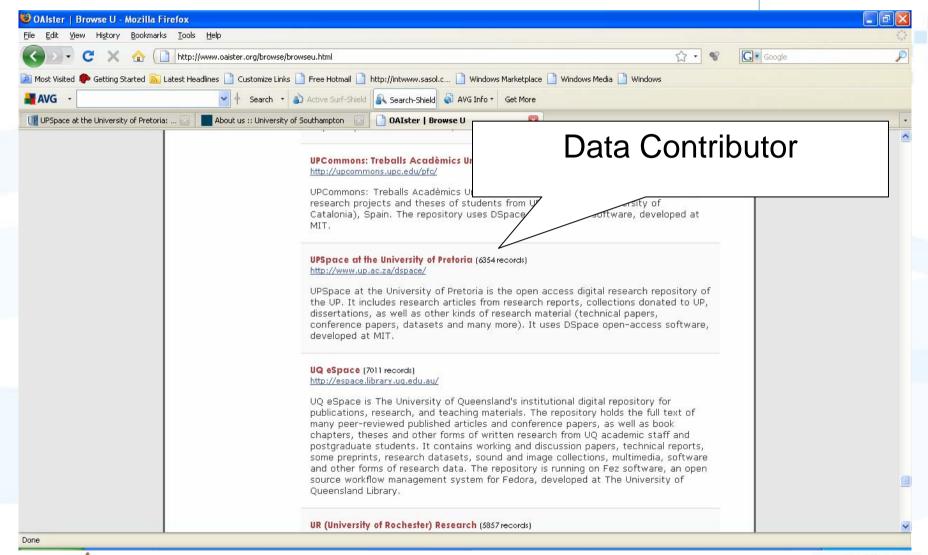








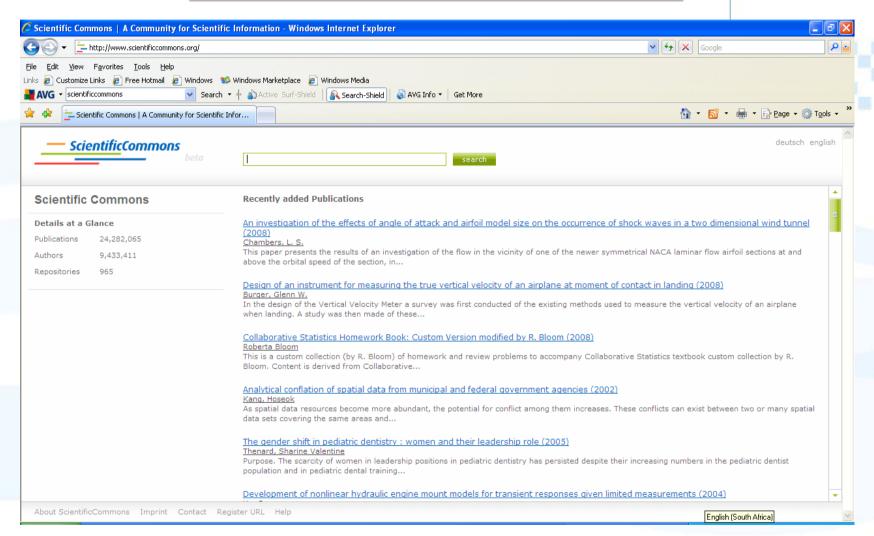






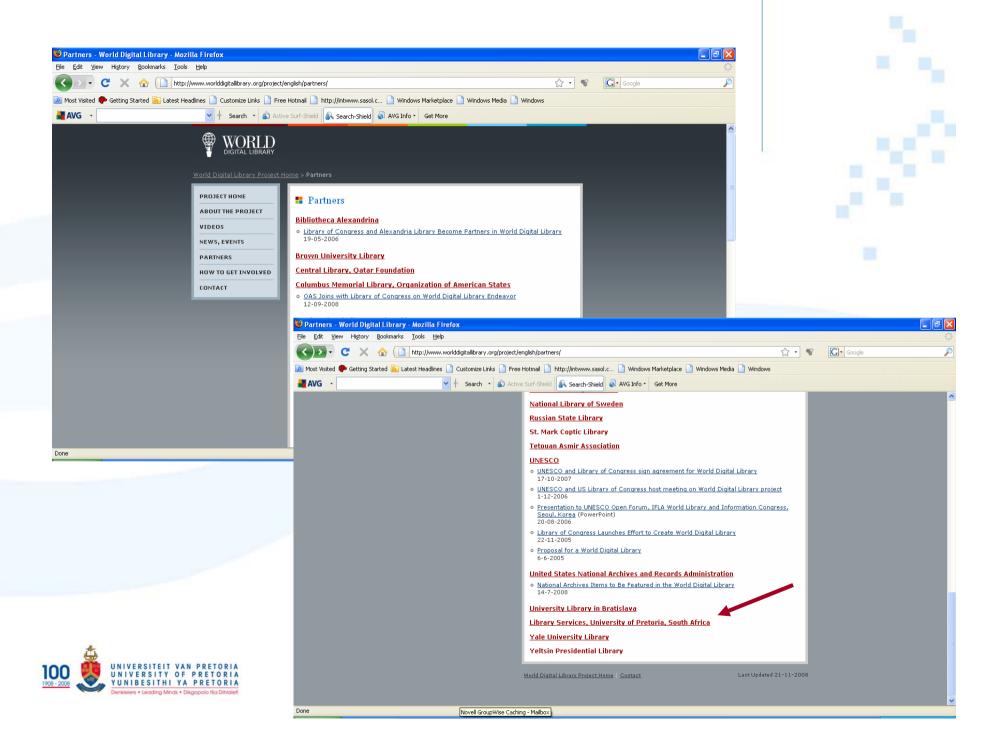


### http://en.scientificcommons.org/









### **DRAMBORA**





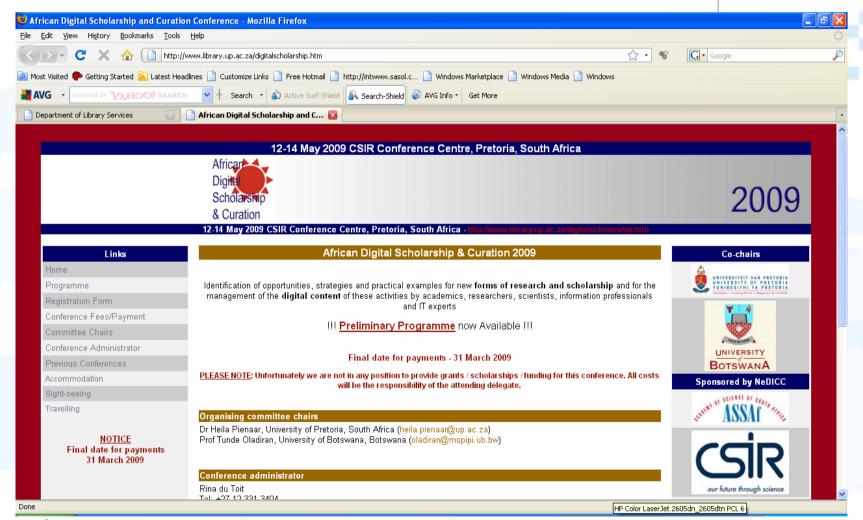


### **Future Prospects**

- Digital Curation Conference 12-14 May 2009
- IR General Workshop 1-3 April 2009
- DSpace Technical Workshop July 2009
- More African Repositories
- More African Publishers OA
- DSpace User Group
- Continued collaboration with eIFL.net., INASP, DRIVER, DSpace etc.
- Position on Ranking Web of World Repositories
- Collaboration with and learn from other African countries e.g. Ethiopia



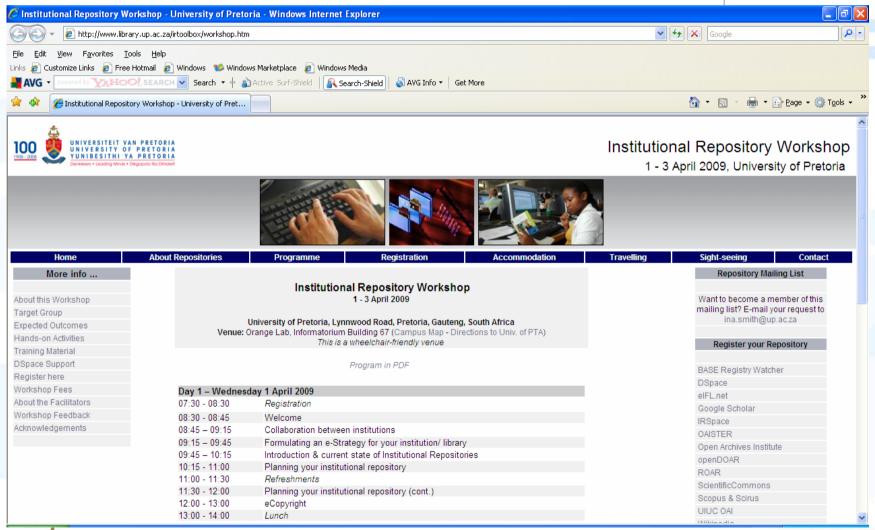
### http://www.library.up.ac.za/digitalscholarship.htm







### http://www.library.up.ac.za/irtoolbox/workshop.htm







"This project has transformed my life as a Dean in three ways.

First, it made me aware of the **power of technology** in managing the multiplicity of written tasks—media articles, media interviews, newspaper columns, intellectual pieces—that simply drift into spaces where I can never find these original writings.

Second, it made me aware of the efficiency of dissemination of ideas in this information age if one simply took the time to create such a web space.

Third, it made me aware of the **power of collaboration** between academic authors and the academic information services (library)—something that I had not explored until now. I am deeply grateful to the persistence of my academic library colleagues in opening up this new world in the life of a busy Dean" –

Prof. Jonathan Jansen, former Dean of the Faculty of Education, University of Pretoria,

Personal E-mail Communication, May 08, 2006.



### Conclusion

"Start doing what is **necessary**; then do what is **possible**; and suddenly you are doing the **impossible**."

- St Francis of Assisi -





### Thank you



## for this opportunity

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