

# Capturing History and Research in the making

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#### Agenda

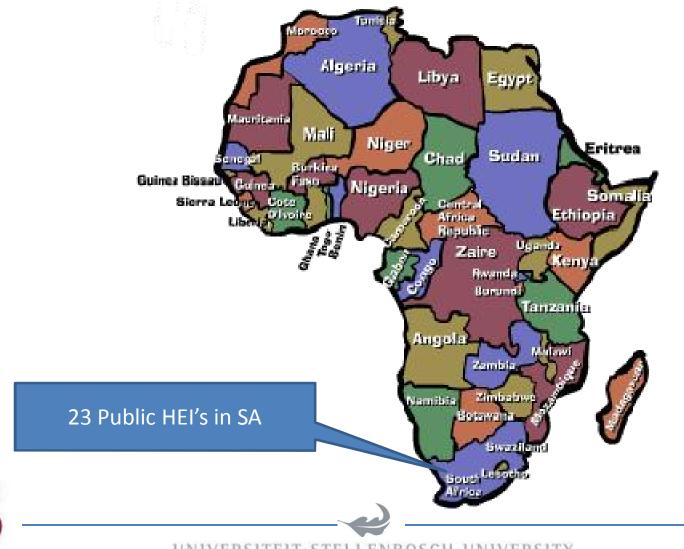
- Setting the scene
- Researcher & institutional needs
- Current state of Institutional Repositories in South Africa
- National & International Collaboration
- Outcomes of Institutional Repositories
- Conclusion







### Higher Education Institutions in SA



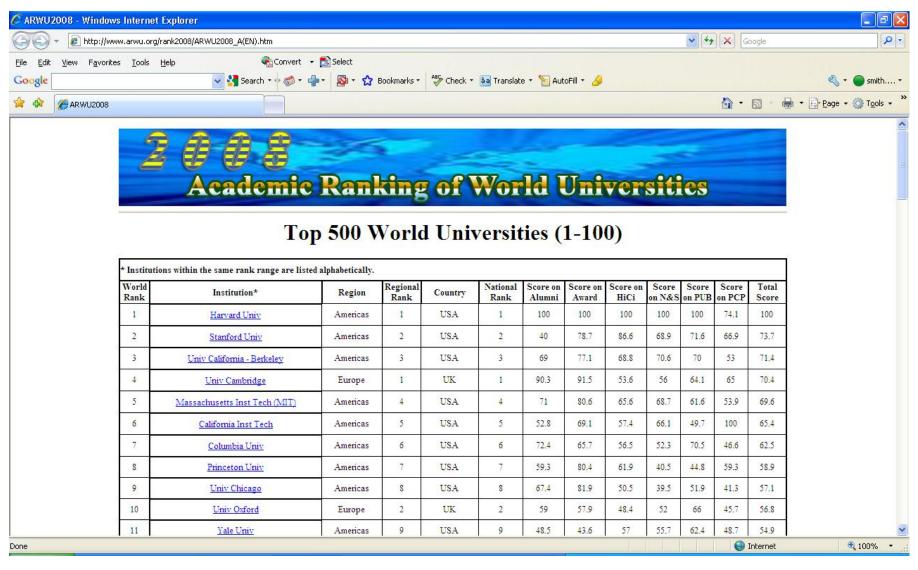


#### http://evaluation.nrf.ac.za/Content/Facts/display all.asp

Universities, Universities of Technology and Technikon	Α	В	С	Р	Υ	L	Total
Cape Peninsula University of Technology		1	4		2	3	10
Central University of Technology, Free State			4		1	1	6
Durban University of Technology			6		4	2	12
Nelson Mandela Metropolitan University	1	4	31		7	7	50
North-West University	2	8	60	1	11	3	85
Rhodes University	1	13	32		4	1	51
Stellenbosch University	7	54	125	2	32	12	232
University of Cape Town	24	84	133	7	20	3	271
University of Fort Hare		1	1		1	3	6
University of Johannesburg	2	11	46		7	3	69
University of KwaZulu-Natal	3	45	78	2	11	3	142
University of Limpopo	- "		5	40.00	3	1	9
University of Pretoria	5	54	117	1	32	5	214
University of South Africa		13	60		2	6	81
University of the Free State		11	50		8	1	70
University of the Western Cape		11	47		4	5	67
University of the Witwatersrand	14	55	76	3	24	2	174
University of Venda			1				1
University of Zululand			12		1	1	14
Tshwane University of Technology		2	10		5	3	20
Vaal University of Technology					1	1	2
Walter Sisulu University			2				2
Total	59	367	900	16	180	66	1588



#### Top 500: UCT (200-300); WITS (300-400)









#### Importance of Research

- Address increasing complexity of research questions
- Leveraging more, better funding
- Increase mobility of researchers
- Create exchange opportunities
- Impact of research that results from meaningfully focused agendas demonstrates high responsive engagement with society

Acknowledgement: University of Cape Town Research Focus Areas





#### Importance of Research (cont.)

"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 ..."

Acknowledgement: Strategic Plan of the University of Pretoria 2007 – 2011 (Mission)





### What do HEI's expect from Researchers?

- Address research questions
- Exchange information impact on society
- Internationally recognised
- Increase ranking on list of top universities
- Publish publish publish! more money for institution
- Publish in accredited journals (SA Dept. of Education)
- Preserve research output e.g. data sets for 15 years (University of Pretoria)
- Etc.







### Support for Research Excellence (Libraries)

- Support education innovation & research excellence
- Deliver optimal e-information portal services to our clients
- Take part & contribute to international & national e-information phenomena, e.g. open access, digital preservation, e-science, content management, VRE's, etc.





### Support for Research Excellence (cont.)

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



Acknowledgement: Strategic Plan of the University of Pretoria 2007 – 2011 (Objectives)



### How can this be accomplished?







#### Currents in Open Access Movement

"Open access (OA) is free, immediate, permanent, full-text, online access, for any user, web-wide, to digital scientific research and scholarly material."

#### 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: <a href="http://en.wikipedia.org/wiki/Open access">http://en.wikipedia.org/wiki/Open access</a>





### Institutional Repositories



### What is an Institutional Repository?

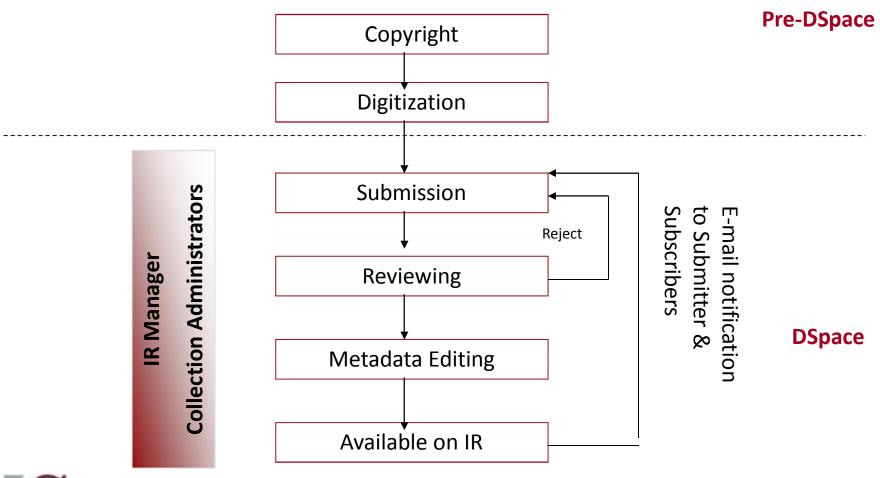
"An institutional repository is a **set of services** that an institution offers to the members of its community for the **management and dissemination of digital materials** created by the institution and its community members. It is most essentially an **organizational commitment** to the **stewardship**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



### Workflow (DSpace)







#### Goals to achieve ...

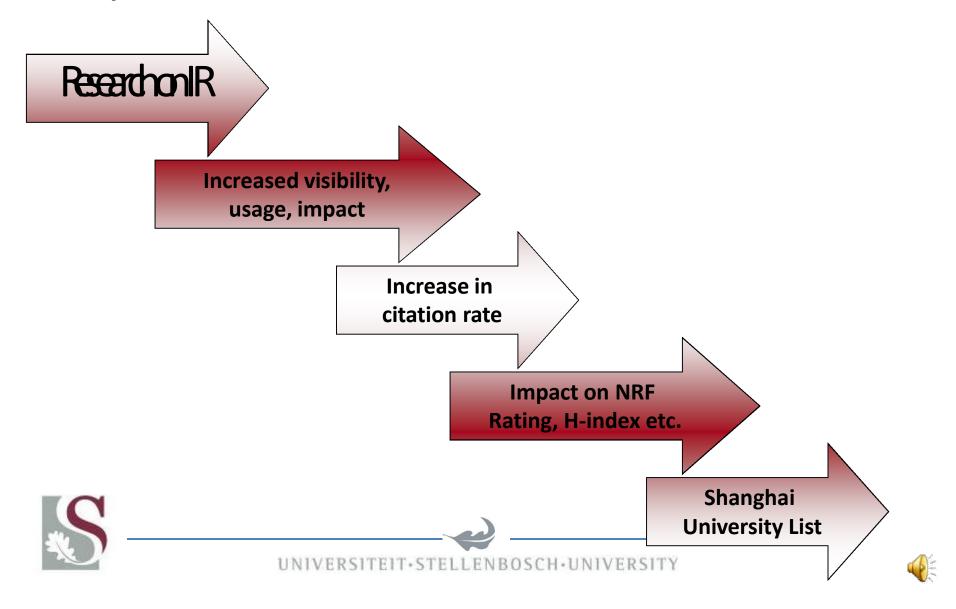
- Archive/ preserve all/ as many research output possible
- Increase visibility of South African research
- Make others aware of the value of research conducted – difference it made/ makes
- Get all African HEI's to implement IR's
- At least focus on research articles, theses & dissertations – and accompanying data sets?







### Impact an IR can have



## Increase in visibility, usage, impact, citation rate

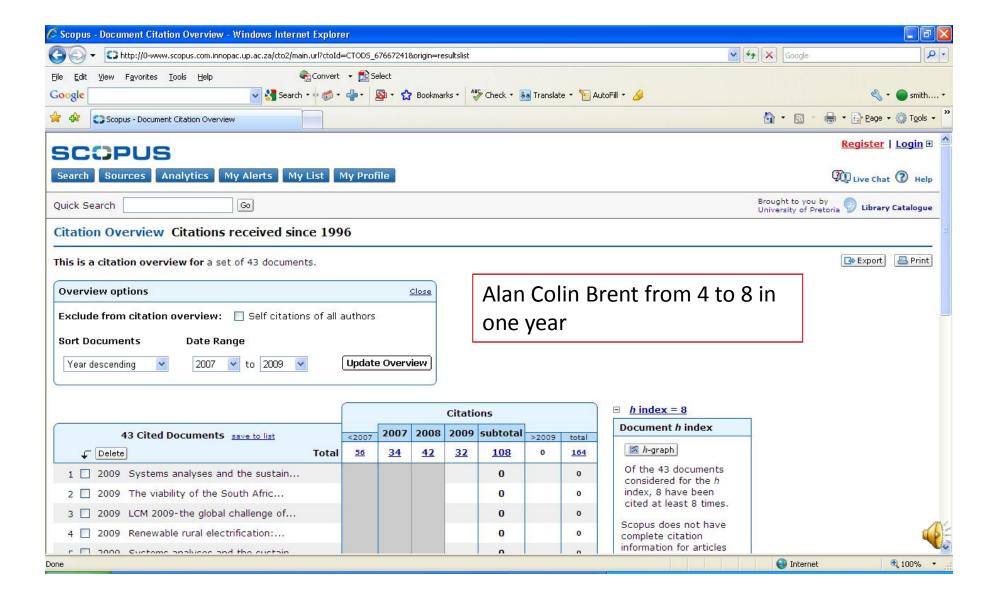
According to studies conducted (Jones, Andrew and MacColl 2006) "open access papers are **read more widely**, and, therefore, **cited more frequently**. The consequence of this is that they have **greater impact**."







### **Example: Scopus Citation Tracker**



#### Increase in H-index

"The *h*-index is an index that attempts to measure both the scientific productivity and the apparent scientific impact of a scientist. The index is based on the set of the scientist's most cited papers and the number of citations that they have received in other people's publications. The index can also be applied to the productivity and impact of a group of scientists, such as a department or university or country."

Source: http://en.wikipedia.org/wiki/H-index





#### Copyright

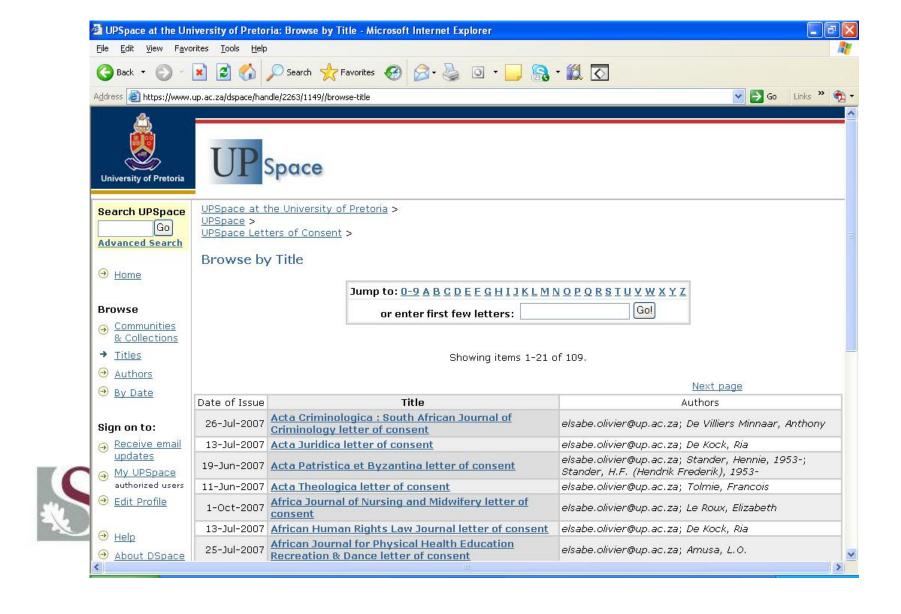


- Right to copy
- Credit copyright holder for work
- Rights: Elsevier
- DC Element "Rights" individual items
- Copyright/ Rights note for Collection/ Community
- Three approaches:
  - Publisher policy on SHERPA ROMEO else;
  - Visit publishers' web site
  - Contact publisher directly and obtain permission/ negotiate – archive letter of consent on your IR





#### Letters of Consent Collection on IR



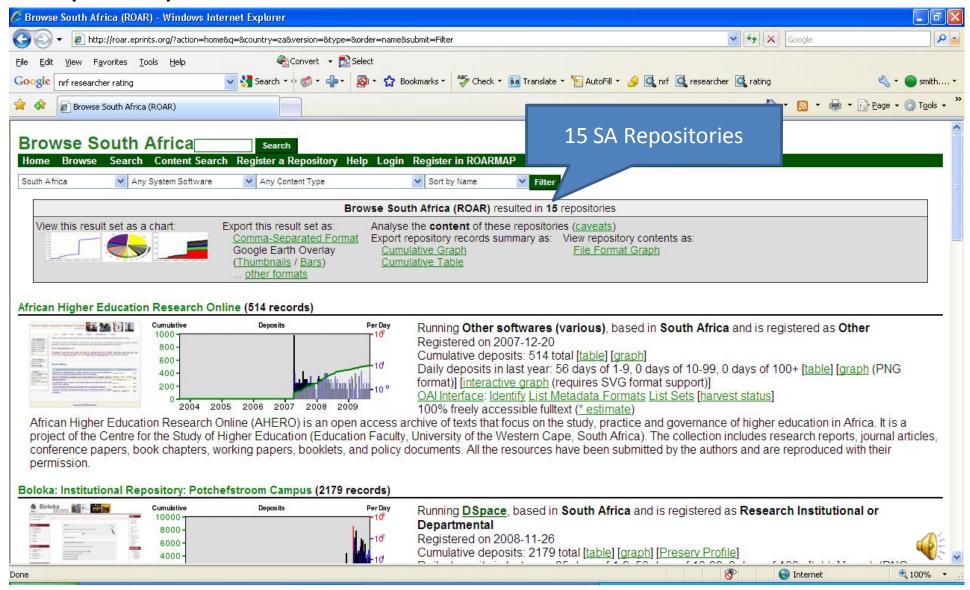


### International Collaboration

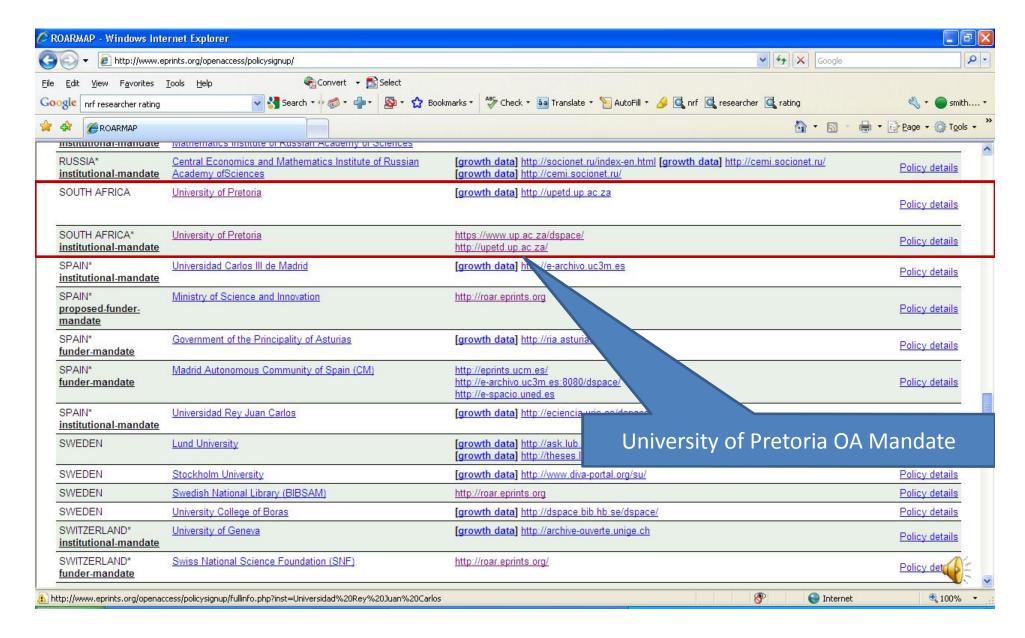


#### Registry of Open Access Repositories

(ROAR) <a href="http://roar.eprints.org/">http://roar.eprints.org/</a> Tim Brody, University of Southampton, UK

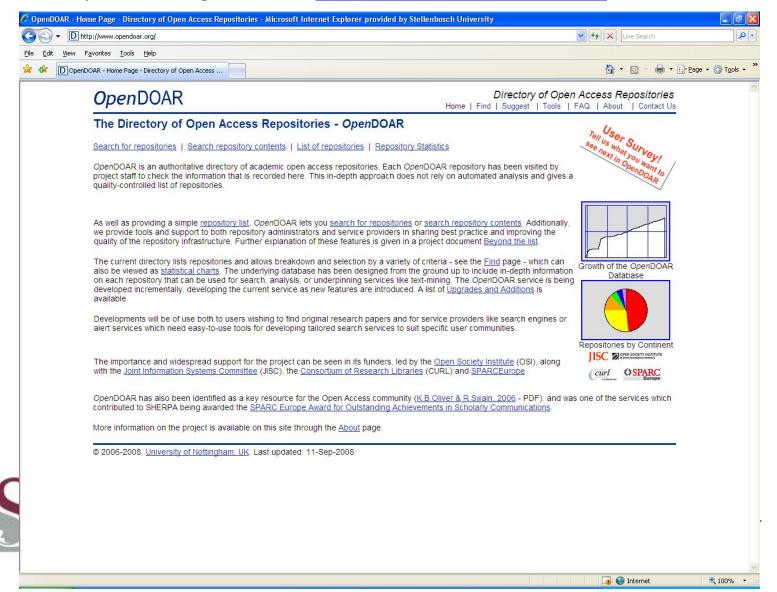


#### ROARMAP <a href="http://www.eprints.org/openaccess/policysignup/">http://www.eprints.org/openaccess/policysignup/</a>



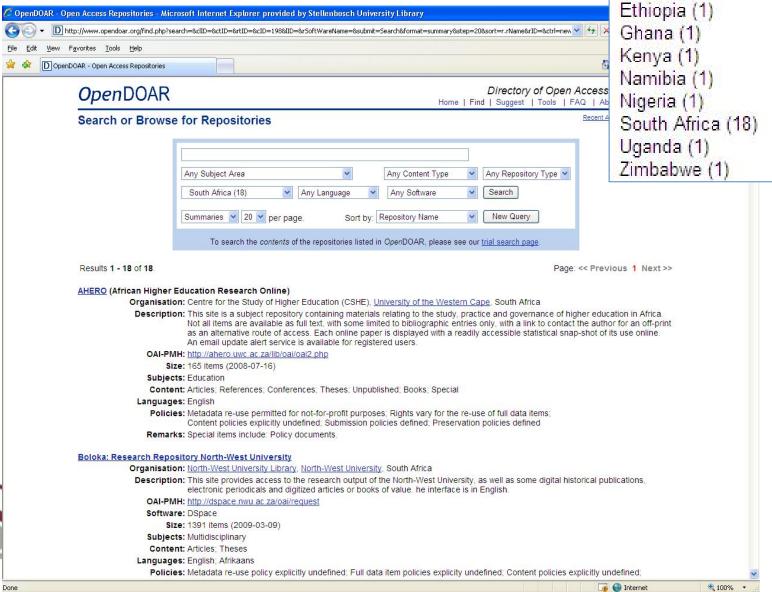
### openDOAR (over 1 500 listings)

University of Nottingham, UK: <a href="http://www.opendoar.org/">http://www.opendoar.org/</a>





### openDOAR (Africa = 29)





Africa (29)

Egypt (2)

Botswana (1)

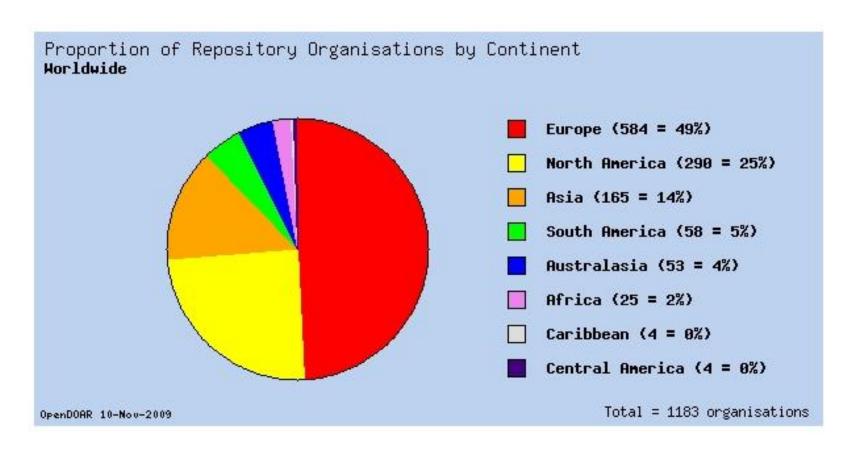
Cape Verde (1)





#### openDOAR – By Continent

(Source: University of Nottingham, UK: <a href="http://www.opendoar.org/">http://www.opendoar.org/</a>)



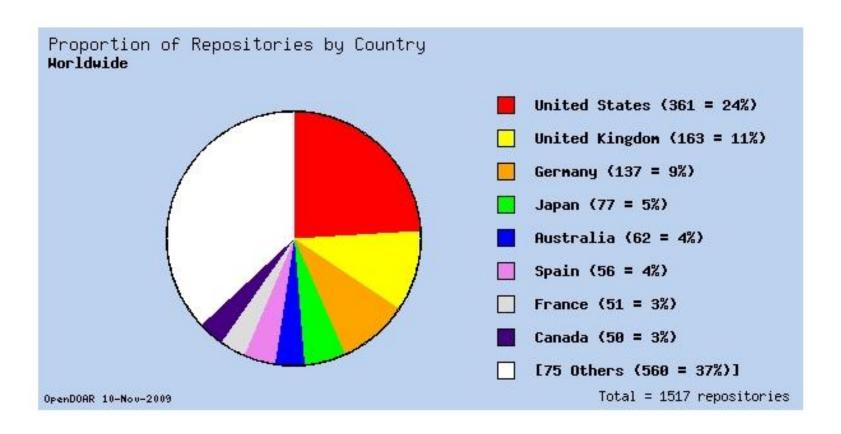






### openDOAR – By Country

(Source: University of Nottingham, UK: <a href="http://www.opendoar.org/">http://www.opendoar.org/</a>)



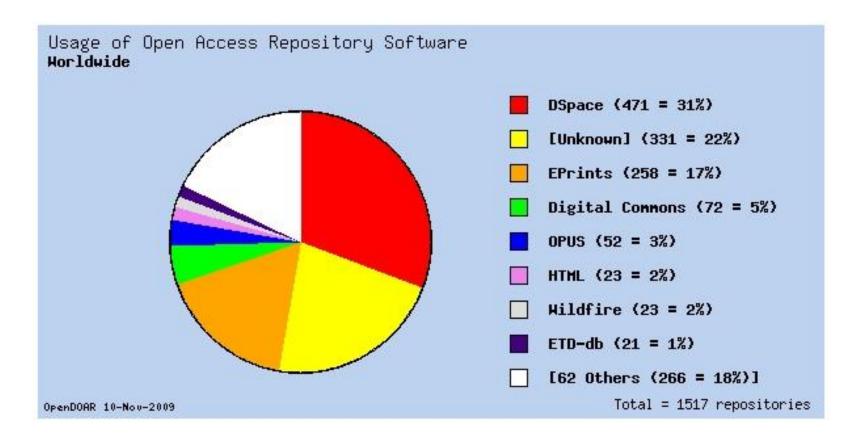






### openDOAR – Repository Software

(Source: University of Nottingham, UK: <a href="http://www.opendoar.org/">http://www.opendoar.org/</a>)



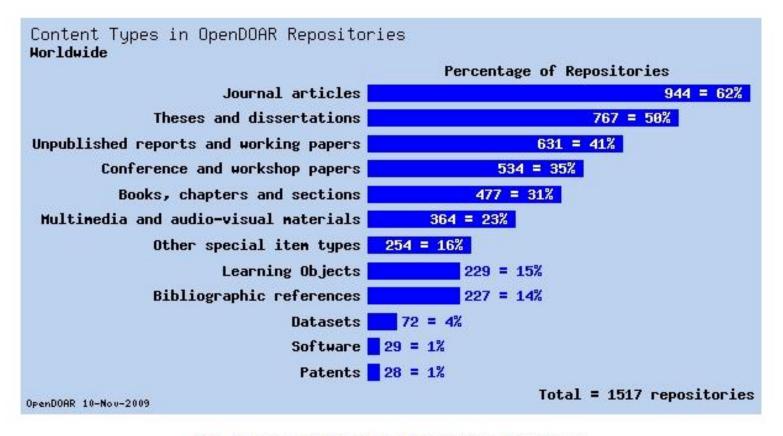






#### openDOAR – Research Type

(Source: University of Nottingham, UK: <a href="http://www.opendoar.org/">http://www.opendoar.org/</a>)



N.b. Most repositories hold several Content Types.





#### **DSpace Registry**

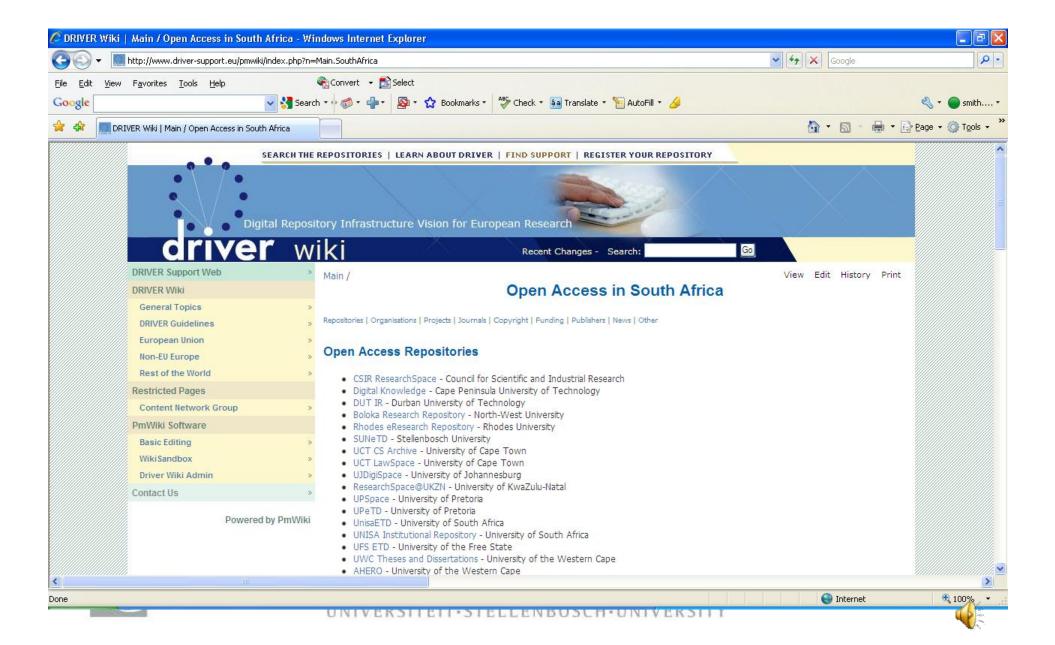
http://www.dspace.org/index.php?option=com\_content&task=view&id=596&Itemid=180

South Africa	Centre of Excellence for Invasion Biology	http://ir.sun.ac.za/cib	
South Africa	Council for Scientific and Industrial Research (CSIR)	http://researchspace.csir.co.za/dspace/	
South Africa	Durban University of Technology	http://ir.dut.ac.za:8080/dspace/	
South Africa	North-West University	http://dspace.nwu.ac.za/	
South Africa	Stellenbosch University	http://ir.sun.ac.za/dspace	
South Africa	University of Cape Town	http://lawspace.law.uct.ac.za/	
South Africa	University of Johannesburg	http://digispace.uj.ac.za:8080/dspace/	
South Africa	University of Pretoria	https://www.up.ac.za/dspace/	











#### Results by Data Contributor

IDEA: IUPUI Digital Archive
1 record

Library and Archives Canada Electronic Theses Repository / Centre d'Archives des Theses Electroniques de Bibliotheque et Archives Canada

Jenter more than one

in a search box, the

s will be treated as a

e and searched together, entering fancy dress will

#### 1 record

North Carolina State University (NCSU) Electronic Thesis and Dissertation Collection

#### 1 record

OhioLINK Electronic Theses and Dissertations Center

#### 1 record

Purdue e-Pubs

#### 1 record

Research Papers in Economics (RePEc)

#### 2 records

Rice Digital Scholarship Archive

#### 1 record

T-Space, University of Toronto's Research Repository

#### 1 record

TxSpace at Texas A&M University Libraries

#### 2 records

UPSpace at the University of Pretoria

#### 41 records

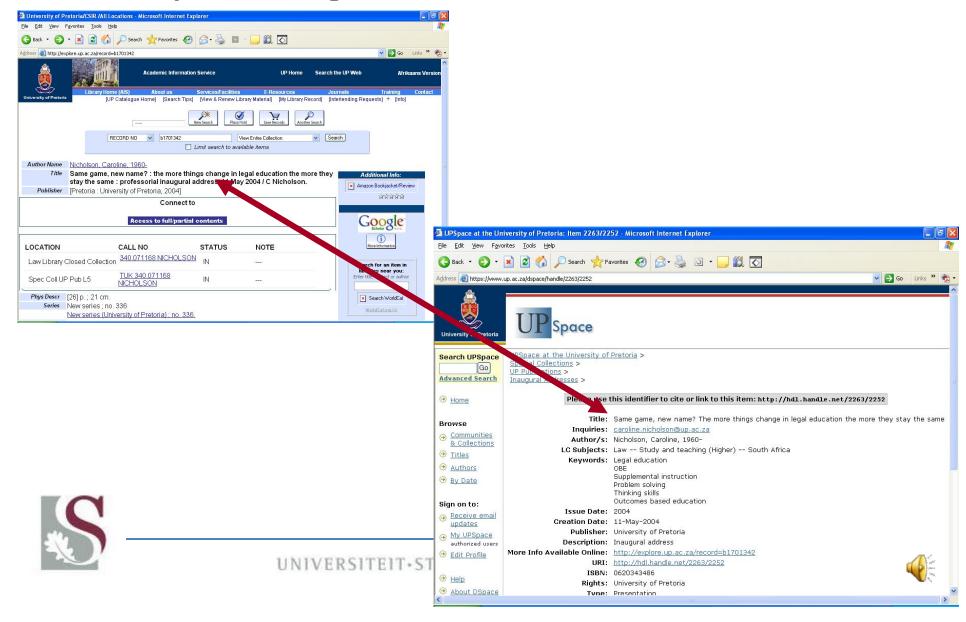
All Data Contributors

52 records

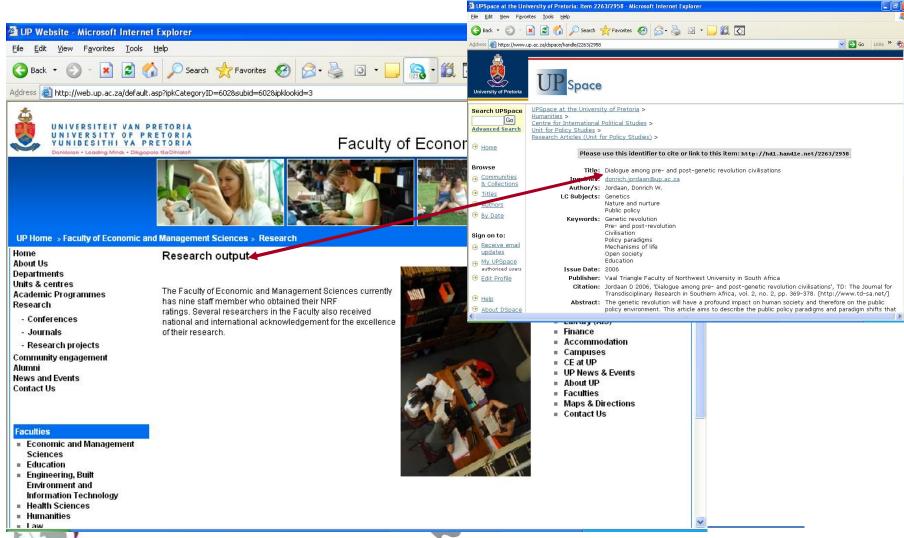
Search within fields (help) Use a word or phrase, e.g., diploma*, far	ncy dress
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Entire Record 💌	And 💌
Entire Record 💟	



### Library Catalogue

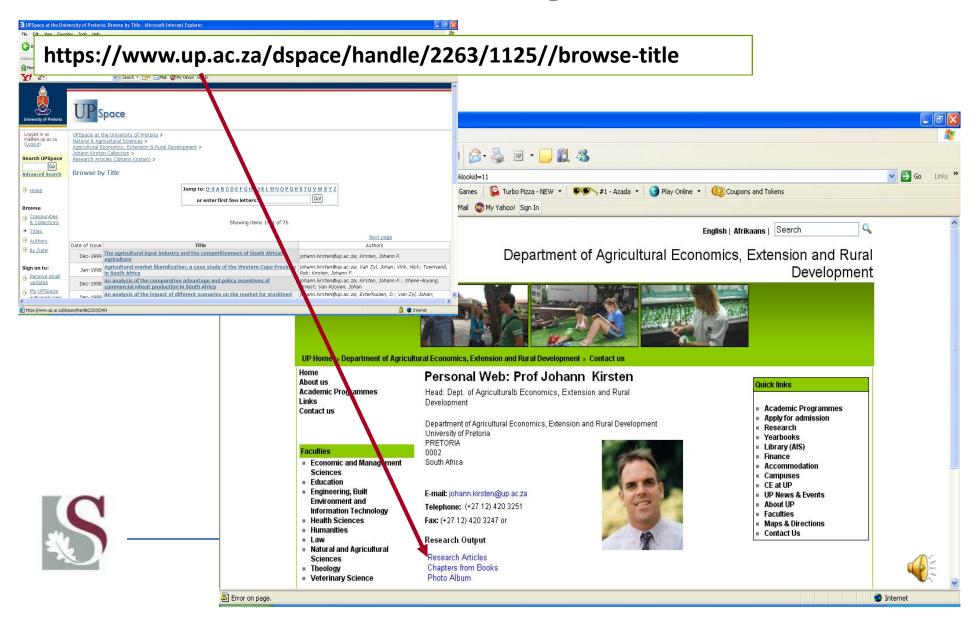


#### Departmental Web Pages

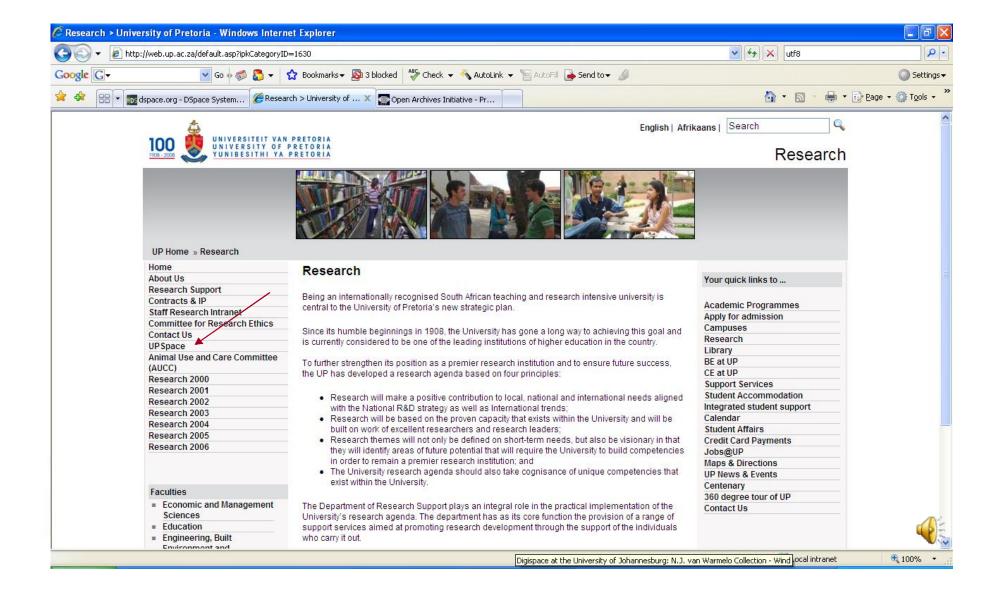


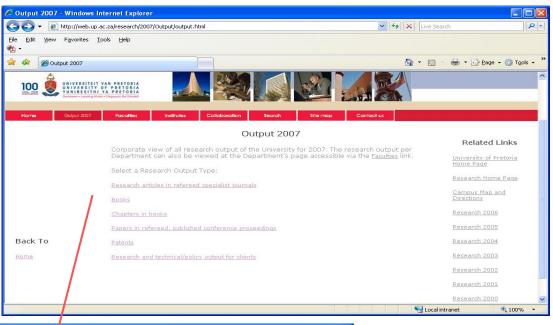


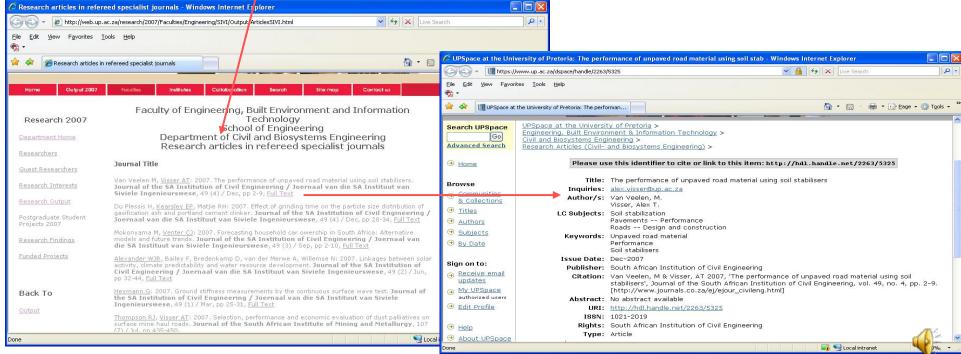
# **Automated Search Linking**



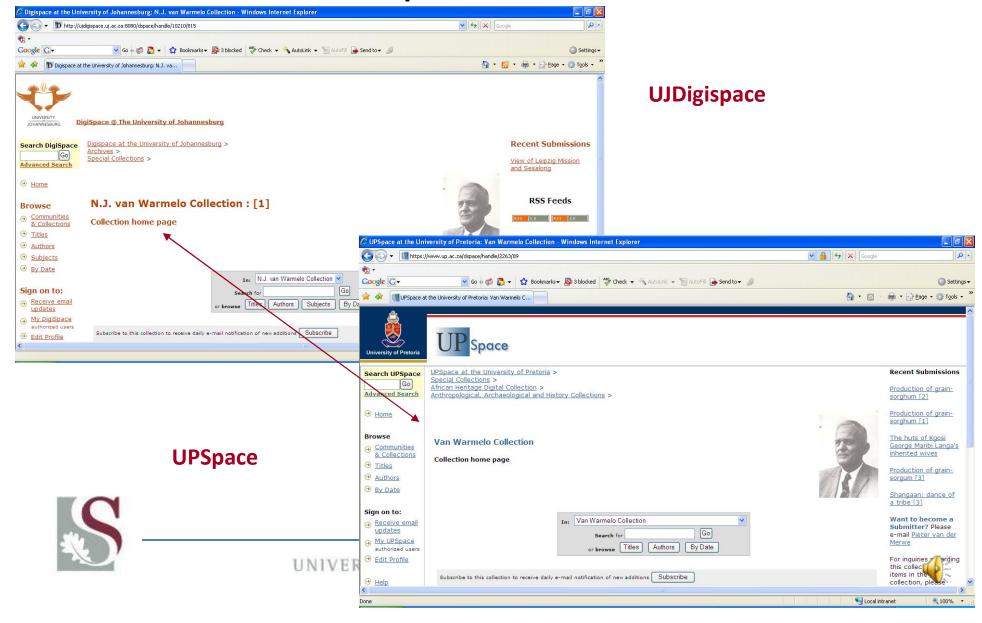
# Research Directorate Web Page







# Links between repositories



# Integration: ClickUP

#### Theme 3: Life Cycle Management

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. eq. 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

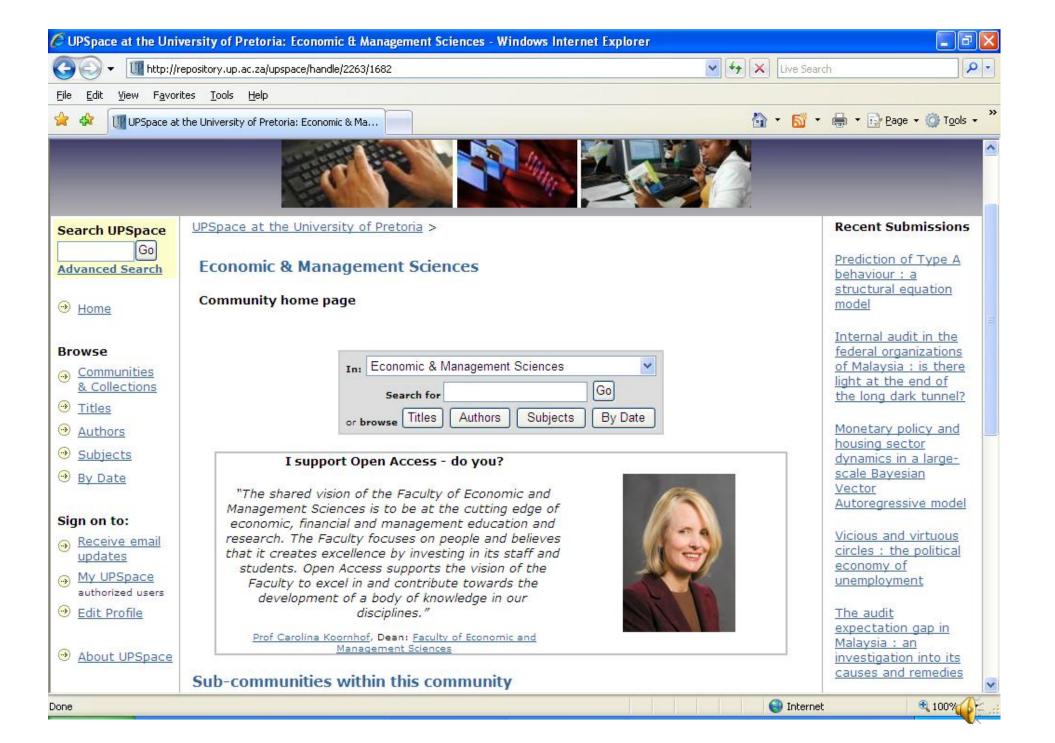
UPSpace collections: Sustainable Life Cycle Management

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

Electronic Theses and Dissertations (UPeTD)

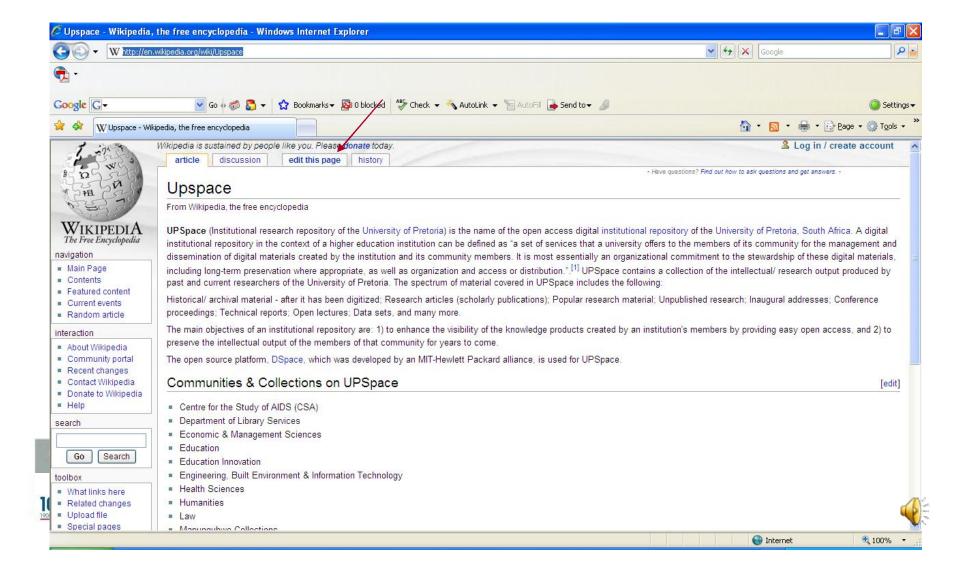






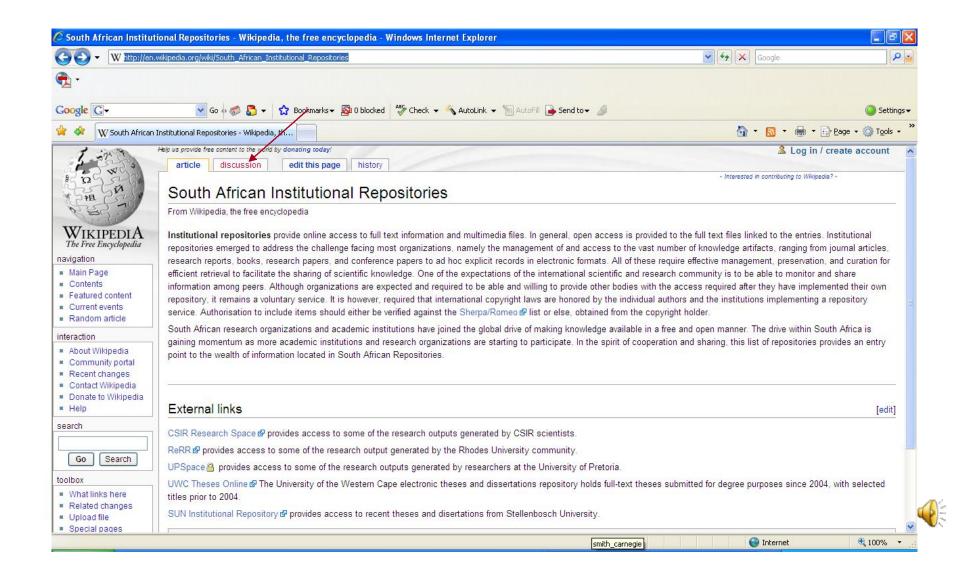
## IR on Wikipedia

http://en.wikipedia.org/wiki/Upspace



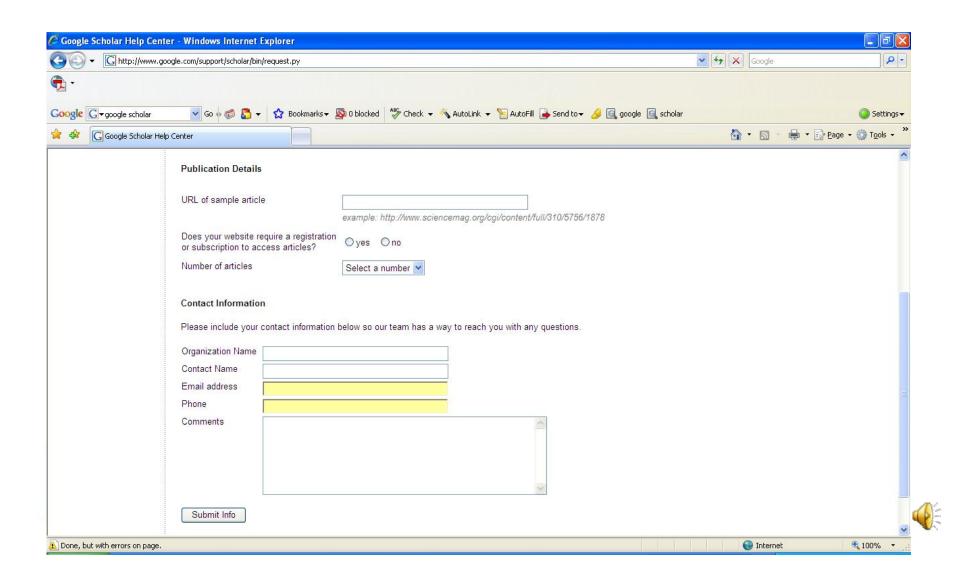
# South African Institutional Repositories

http://en.wikipedia.org/wiki/South African Institutional Repositories

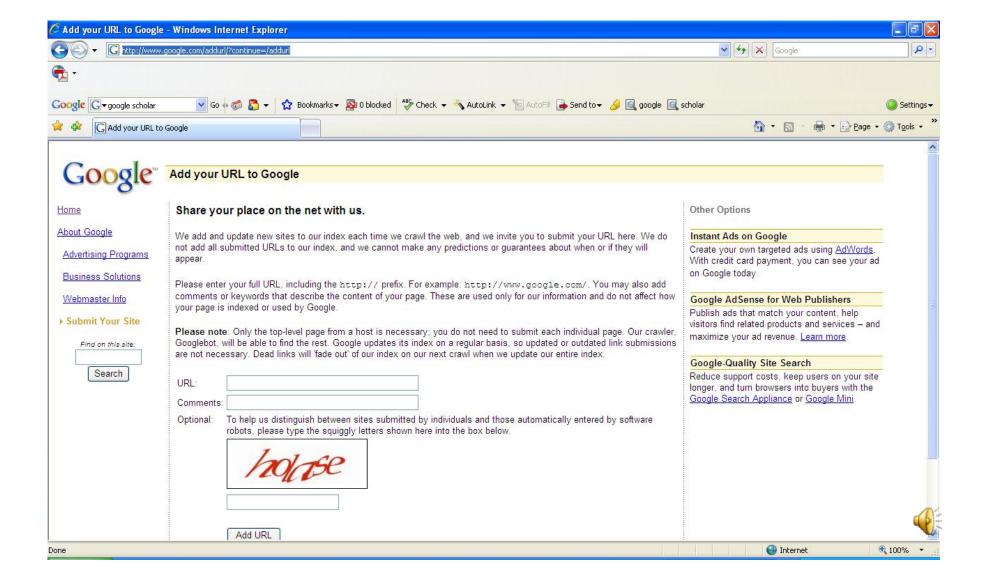


## Google Scholar

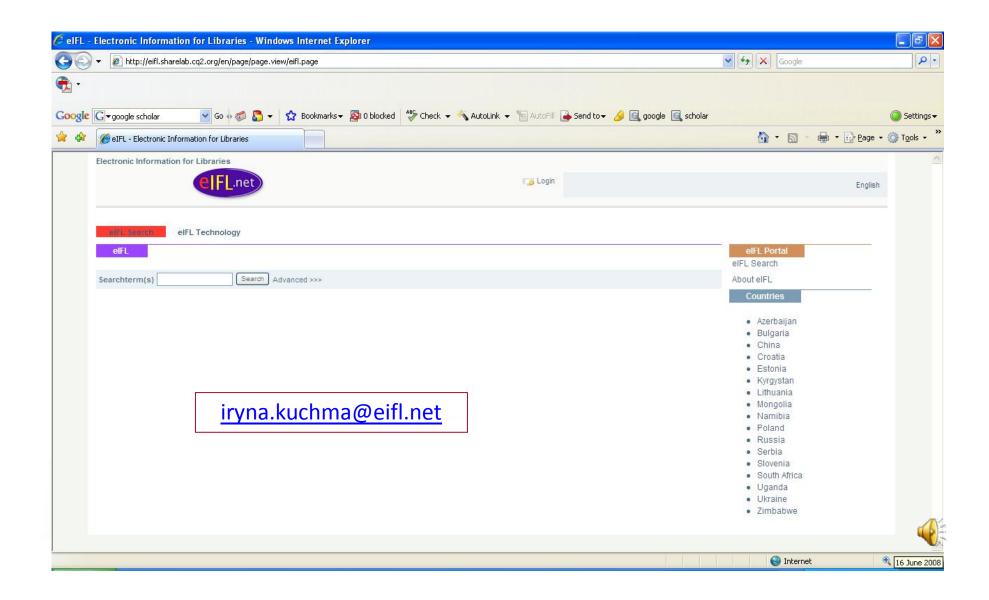
http://scholar.google.co.za/intl/en/scholar/publishers.html#faq1



### Google <a href="http://www.google.com/addurl/?continue=/addurl/">http://www.google.com/addurl/?continue=/addurl/</a>



# elfL.net <a href="http://eifl.sharelab.cq2.org/en/page/page.view/eifl.page">http://eifl.sharelab.cq2.org/en/page/page.view/eifl.page</a>



# Scopus/ Scirus

http://newsbreaks.infotoday.com/nbreader.asp?ArticleID=18070

"Elsevier has introduced a new "Search Sources" feature for its Scopus users (<a href="http://www.scopus.com">http://www.scopus.com</a>); the feature allows librarians to customize interfaces to direct their users to specific institutional repositories and special digital subject collections. It appears that the new Scopus feature will simply allow librarians to preset the content preferences in Scopus that users of Scirus (<a href="http://www.scirus.com">http://www.scirus.com</a>), Elsevier's free scholarly search engine, can set for themselves on a search-by-search basis, using the Advanced Search features. Scopus announcements also encourage Scopus clients to open their institutional repositories to the expanding Scirus Repository Search Program. "

Saskia van Acker (Content Manager Scirus)

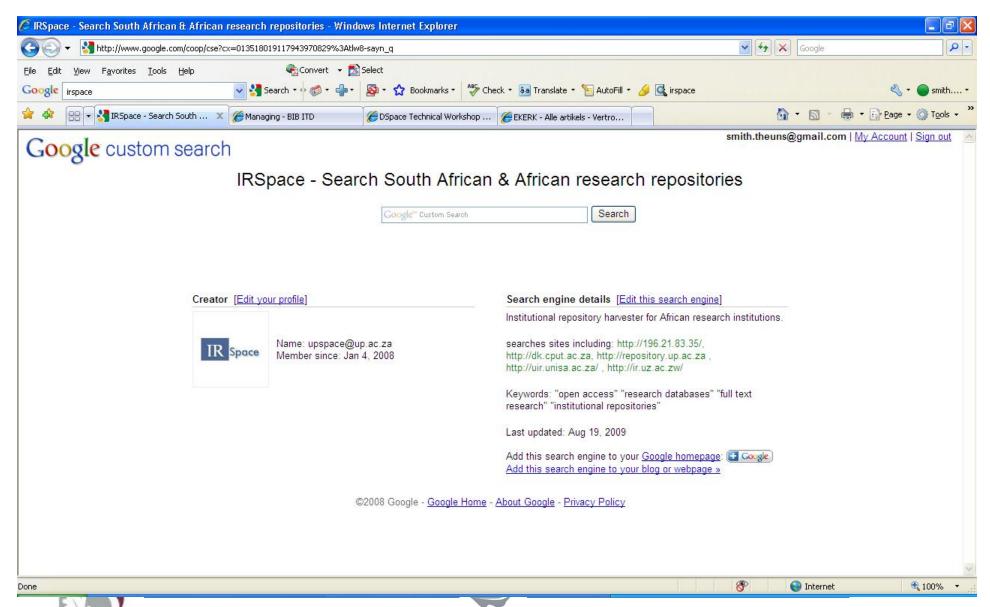
s.acker@elsevier.com

http://www.scirus.com - for scientific information only



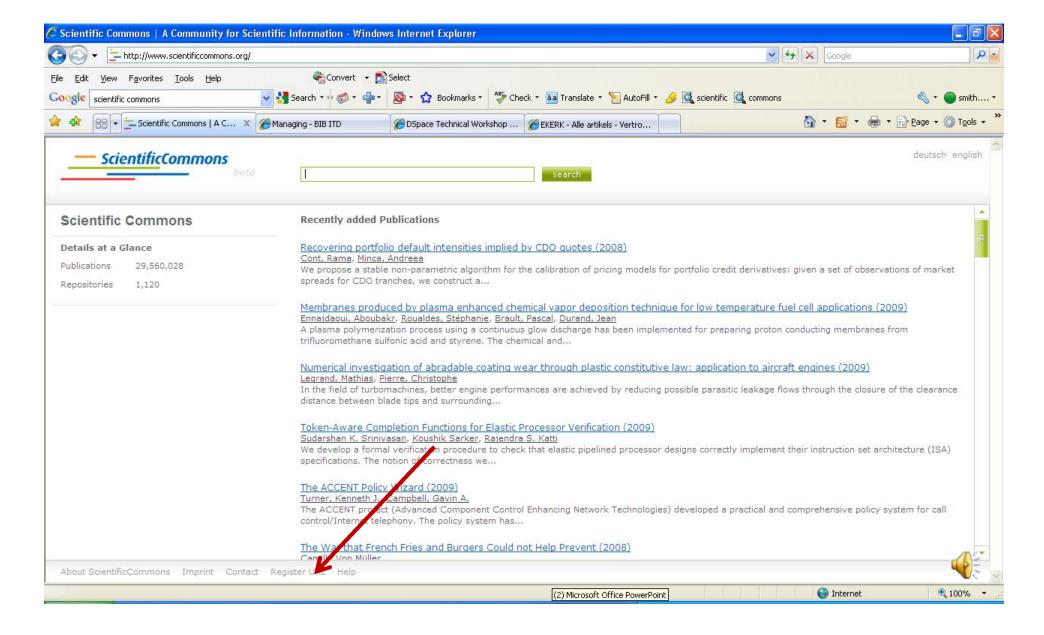


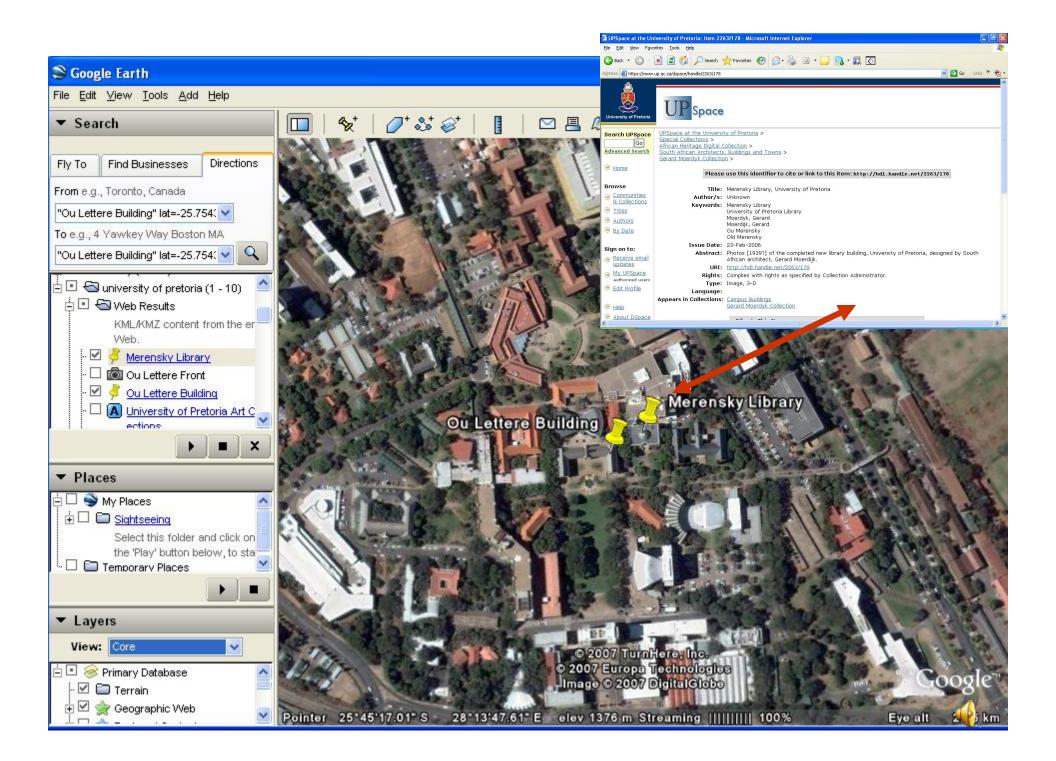






#### ScientificCommons





















Welcome joycevalenza







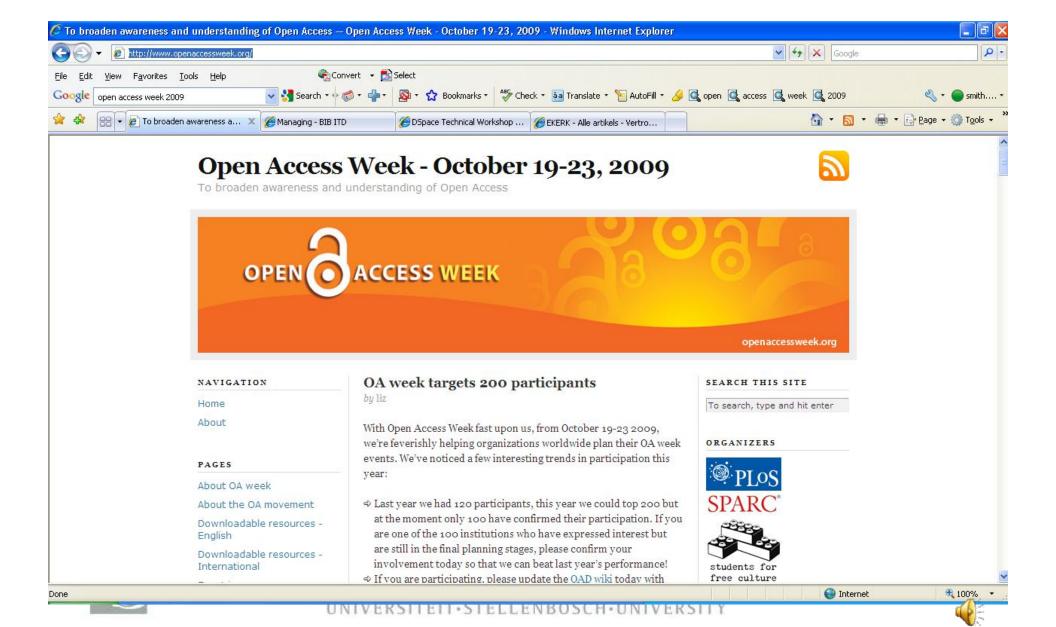
#### More ...

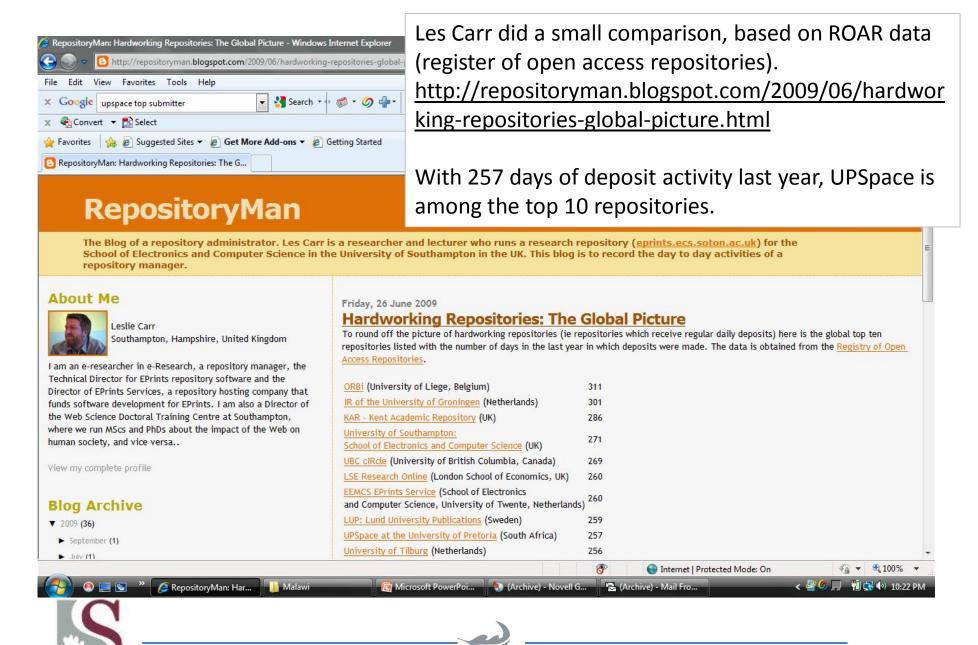
- BASE Registry Watcher
- Citeseer: Computer Sciences
- MetaGer
- OASE
- OPUS
- Etc.













#### Outcomes of an IR

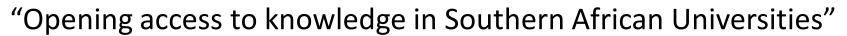
- New roles & responsibilities
- Communities of Practice (social networks) will be established (mailing list)
- Knowledge transfer
- Organizational learning
- Change of mind-sets
- Empowerment
- Teamwork, Sharing & Collaboration (workshops)
- Tell everybody
- Explore, experiment ...





## **Impact**

- Quality and peer review
- Intellectual property rights
- Fear of plagiarism
- Recognition of OA research output
- Operationalising OA



SARUA Study Series 2008









#### Conclusion

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

- St Francis of Assisi -







# Thank you!

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South Africa

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