Opening Access to research : an African perspective

Elsabé Olivier Presented at the ICT in Higher Education Conference, 25 October, Johannesburg





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Research in Africa
Access to information
Institutional repositories
Open Access Journals
Copyright issues
International collaboration





Research in Africa





South Africa is responsible for

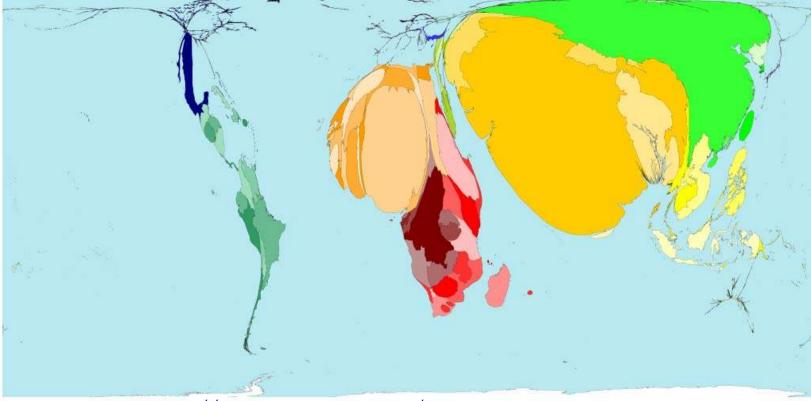
- 79% of the publications
- 0.55% of the world's literature
- India produces 2.94% of the world's literature

Africa

- Is least able to pay for access to information
- Will benefit greatly from Open Access



Worldmap according to poverty

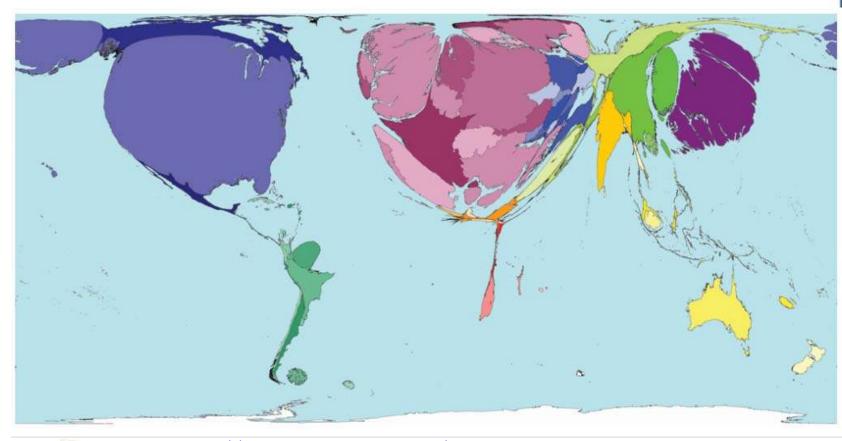


http://www.worldmapper.org/display.php?selected=179





Worldmap according to Science research





http://www.worldmapper.org/display.php?selected=205

AIVERSITY OF PRETORIA

Outstakes + Locate & Minds + Disgopolit the Directed

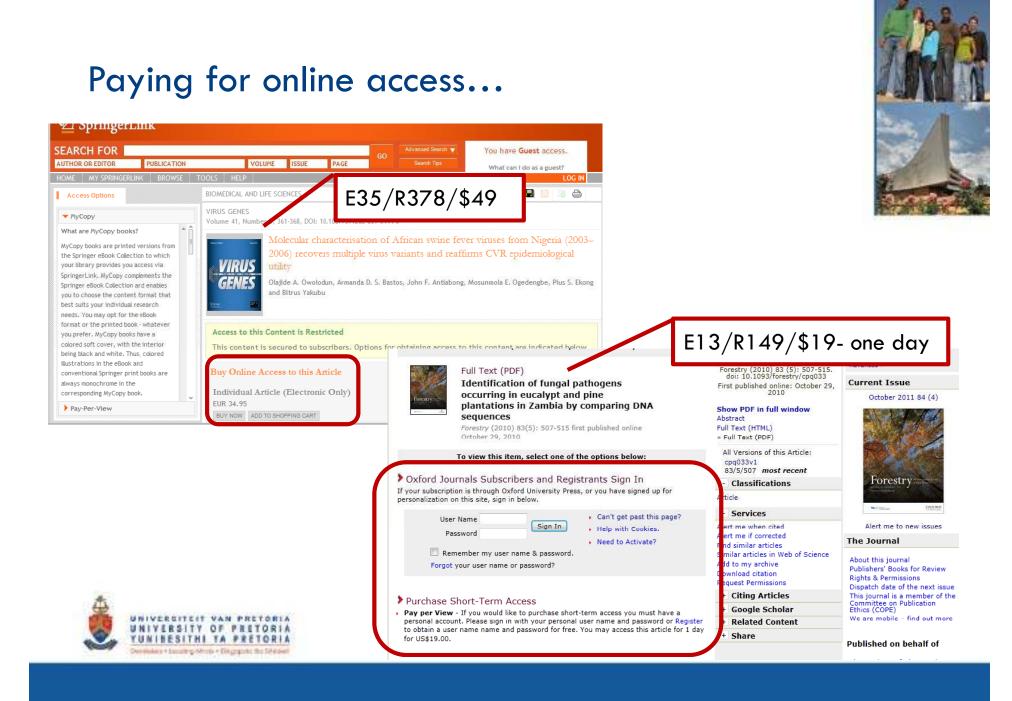
Internet has changed our lives...

Internet has brought about phenomenal changes

- Communication
- Management of tasks such as reservation of flights, movies, banking
- Information at your fingertips...or not?







The costs of the "Big deal"/online access

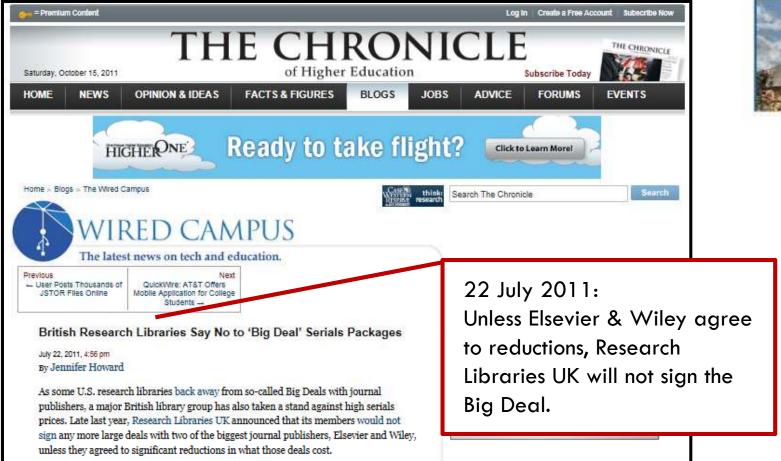
- Big Deal is an online aggregation of journals that publishers offer as a one-price, one size fits all package (Frazier 2001)
- Libraries gain electronic access from large publishers in the form of bundled journals & licenses
- Problem?
 - Contract are inflexible and varies
 - Libraries are struggling with price increases
 - Libraries are paying different prices for same subscriptions
- Result : libraries are considering cancelling contracts







British research Libraries say No!



http://chronicle.com/blogs/wiredcampus/british-research-libraries-say-no-to-big-deal-serials-packages/32371



The demise of the Big Deal

OPEN AND SHUT?



Mandates Peer Review Big Deal Wellcome Trust's Robert

Monday, March 14, 2011

The Demise of the Big Deal?

Claudio Aspesi — an analyst based at the sell-side research firm Sanford Bernstein — predicts a difficult future for Reed Elsevier, particularly for its s journal business. He also predicts the demise of the Big Deal, the business model in which scholarly publishers sell access to multiple journals by means of a single electronic subscription.

In a report published last year Aspesi warned that a combination of the global financial crisis and the rise of the Open Access (OA) movement would impact negatively on the revenues of scholarly publishers. Yet, he said, Reed Elsevier appeared to be "in denial on the magnitude of the issue potentially affecting scientific publishing".

A vear later Aspesi appears even more gloomy. In his most recent report he has

http://poynder.blogspot.com/2011/03/demise-of-big-deal.html



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Reasons:

- Global financial crisis
- Rise of the Open Access movement
 - Essays on Open Access
 - Archive
 - Contact

Blogs, News & More: The Connotea oa.new page OA Archivangelism The Occasional Pamphlet

So, what is Open Access?

The opinion of an expert:

- Open-access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions. What makes it possible is the internet and the consent of the author or copyrightholder.
- □ It is compatible with peer-review
- Open Access literature is not free to produce and the business models for paying the bills depend on how OA is delivered

Peter Suber http://www.earlham.edu/~peters/fos/brief.htm





What is the Open Access movement?

The Open Access movement is

- A global movement in academia
- Dedicated to sharing information for the common good
- Of importance to researchers, academics, librarians, funding agencies, government officials, publishers
- Open Access can be achieved by:
 - Open Access archives or repositories (green route)
 - Open Access journals (gold route)





Open Access map





http://www.openaccessmap.org/



Open Access archives/repositories (green route)

Archives/repositories

- Belong to an institution (universities, disciplines such as Physics, Economics
- Supplement publishing, it is not a substitution
- Do not perform peer review
- Internet users can easily find content, if repositories comply with the metadata harvesting protocol of the Open Archives Initiative
- Make scholarly content globally available
- A repository is a "critically important tool for managing a university's image and impact on a global scale" (Alma Swan 2011)





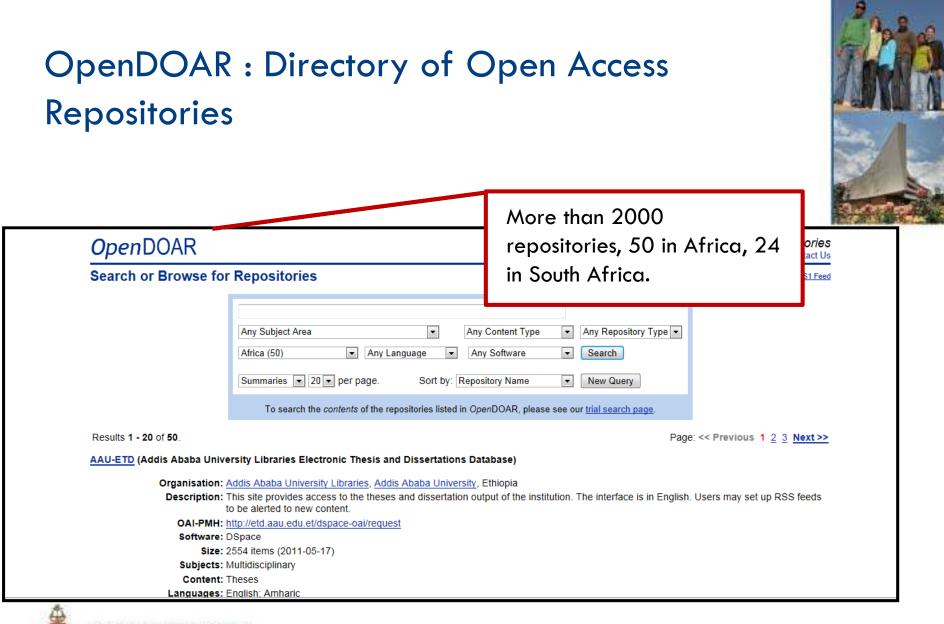
Content of Open Access repositories

Journal articles

- Preprints
- Postprints
- Final publisher's version
- Scanned versions of formerly print only journals, such as HTS Teologiese Studies / Theological Studies
- Theses and dissertations
- Other material grey material
- Datasets for the future

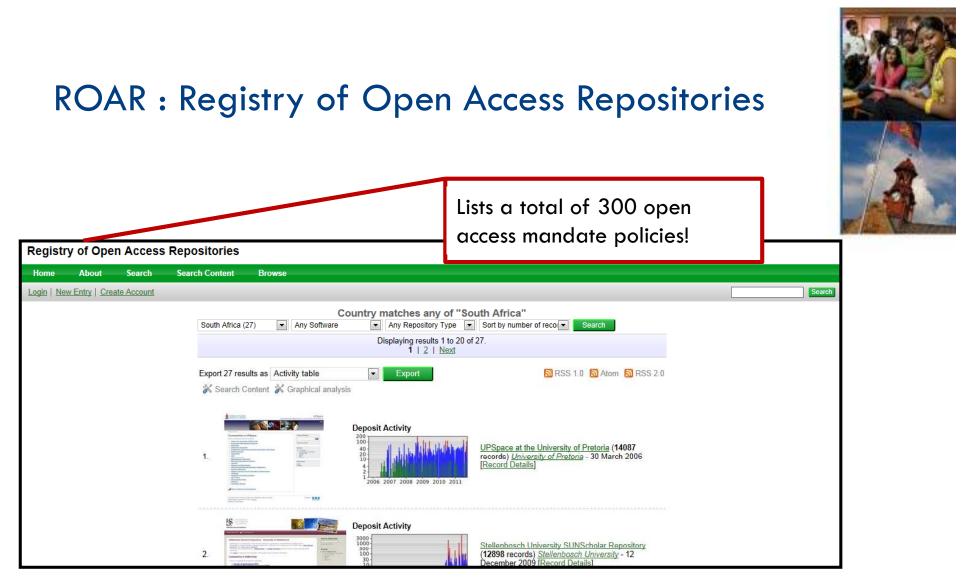






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http://opendoar.org/





http://roar.eprints.org/

University of Pretoria and Open Access

University of Pretoria embraces Open Access movement

- it enhances the visibility and impact of an institution and its authors
- supports Open Access to research for all researchers worldwide
- takes responsibility for the dissemination of its research outputs
- realizes the value of archiving the staff and students' research outputs in a repository thereby enabling global usage







Benefits of repositories

Alma Swan (Swan 2011) identified the following benefits for institutions:

- It opens up the institution's output for the whole world
- Maximizes the visibility and impact of these outputs
- Showcases the output to prospective staff, students, funders and other stakeholders
- Collects, curates and preserves the institution's intellectual output
- Manages and measures research







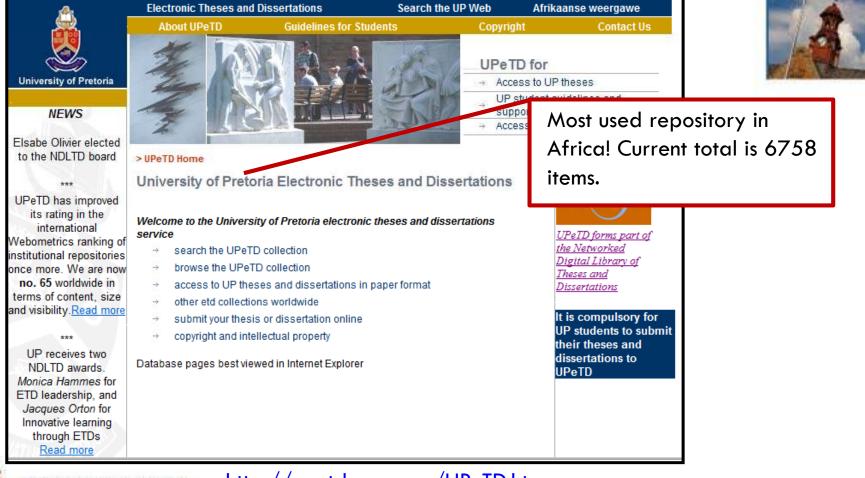
Institutional Repository, University of Pretoria Login UPSpace Home **Communities in UPSpace** Search UPSpace Select a community to browse its collections. Go - Centre for the Study of AIDS (CSA) Advanced Search Economic & Management Sciences Education Education Innovation Collection of UP scholarly · Engineering, Built Environment & Information Technology Health Sciences research articles – 6501 Humanities <u>Law</u> Library Services items. Mandatory policy since Mapungubwe Collection Natural & Agricul Sciences OpenUP 2009. · Research and Innovation South African National Veterinary Repository Special Collections Support Services & Inter-Disciplinary Departments Theology - University of Pretoria Archives UP E-Press UP Executive Office UPSpace



UPSpace

http://repository.up.ac.za/

UPeTD



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Faculty support : Deputy Dean of the Faculty of Natural & Agricultural Sciences





http://www.youtube.com/watch?v=QtOEdQaaKRQ



Open Access Journals (gold route)

- Research articles are peer reviewed and contents are made freely available
- Business model
 - Some journals receive subsidy from hosting university/professional society
 - Some require processing fees from authors
- Major Open Access publishers
 - BioMed Central
 - Hindawi
 - AOSIS





DOAJ: Directory of Open Access Journals

| | | Free, full text, quality contr | rolled scientific and scholarly journal | English • s, covering all subjects and many languages |
|---|---|--------------------------------|---|---|
| Search Browse Suggest a journal About Support DOAJ! Statistics | Journals | Search journals | | NEWS 15/9 2011: 7000 journals and the DOAJ site in Turkish 27/6 2011: Article about OA publishing 9/6 2011: DOAJ site now also in French 18/4 2011: DOAJ listed as one of |
| Contact Journals added last 7 days Journals added last 30 days Open Access info For publishers | Articles More than one word in a and on or on | | ields ▼ ields ▼ | 18/4 JULI Specialty Search Engines 20 Useful Specialty Search Engines for College Students 28/3 2011: DOAJ is launching a new user interface! News Archive DOAJ AS OF TODAY 7062 journals |
| | INVOTE INASP | BIBLI | | 3247 journals searchable at article level 634926 articles BioMed Central |



Copyright

Open Access archives or repositories (green route)

- Traditionally authors sign Copyright Transfer Agreement
- Authors retain certain rights to re-use
- SHERPA/RoMEO website
- 64% of 1022 publishers allow some form of self-archiving (36%) not
 - □ 8% allows archiving of the pre-print
 - □ 30% allows archiving of the post-print
 - □ 26% allows archiving of the pre-print and post-print

Open Access journals (gold route)

- Creative Commons licenses
- Creator of the work is acknowledged

Ensures re-use UNIVERSITY OF PRETORIA UNIVERSITY OF PRETORIA





... opening access to research SHERPA/RoMEO Home · Search · Journals · Publishers · FAQ · Suggest · About Publisher copyright policies & self-archiving English | Español | Português Check your journal's Search Blog • Twitter • More >> archiving policy IEO - 06-Sept-2011 Journal titles or ISSNs Publisher names RoMEO Upgrade - 24-Aug-2011 SHERPA RoMEO Upgrade Version Released - 15-Aug-2011 Exact title Starts with Contains ISSN Special RoMEO Pages More >> Advanced Search Search Reset Publishers Allowing use of their PDFs in Repositories Use this site to find a summary of permissions that are normally given as part of each publisher's copyright RoMEO Statistics transfer agreement. · Conditions for Re-use S RSS1 Feed • More >> Additions and Updates Advanstar Communications - 07-Oct-2011 · Universidade Técnica de Lisboa, Instituto Superior de Ciências Sociais e Políticas (ISCSP-UTL) - 05-Oct-2011 Instituto Politécnico de Leiria, Escola Superior de Artes e Design - 05-Oct-2011 lisc



SHERPA/RoMEO

http://www.sherpa.ac.uk/romeo/

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What can universities & administrators do?

Adopt an Open Access policy

- Open-Access repository
 - Theses & dissertations
 - Encourage researchers to self-archive their research articles
- Encourage researchers to maintain copyright or retain the right to selfarchive
- Encourage the publication in Open Access journals
- Provide financial support for Open Access journal publication
- Journals hosted by your university should be made Open Access
- Conference proceedings of your university should be Open Access





National & International collaboration – Academy of Science of South Africa (ASSAf)



| | | | | Barrier Manage | A COLUMN | | |
|--|--|---|--|--|----------|--|--|
| SciELO.org Português Español | serial browsing alphabetic list subject list search form | article browsing author index subject index search form | SciFLO South Africa reports site usage journal citation | South Africa's database which provides wider impact, visibility & acce to quality journals. | | | |
| help about this site | | | | | | | |
| | SciELO The Scientific Electronic Library Online (SciELO) SA is South Africa's premier open-access (free to access and free to publish) searchable full-text journal database in service of the South African research community. The database covers a selected collection of peer-reviewed South African scholarly journals and forms an integral part of the SciELO Brazil project. SciELO SA is managed by the Academy of Science of South Africa (ASSAF), funded by the South African Department of Science and Technology and endorsed by the South African Department of Higher Education and Training (DHET). about this site SciELO SA focuses on strengthening the scholarly journal evaluation and accreditation systems in South Africa. | | | | | | |
| | | | | | | | |
| | in partnership with | The SciELO library is an integral part of a project being developed by FAPESP - Fundação de Amparo à Pesquisa do Estado de São Paulo, in partnership with BIREME - the Latin American and Caribbean Center on Health Sciences Information. Since 2002, the Project is also supported by CNPq - Conselho Nacional de Desenvolvimento Científico e Tecnológico. | | | | | |
| SciELO contributes to the development of national capacities in scientific editing and publishing to be on par with the international sta of the art. The project aims to make visible the science of developing countries that the mainstream does not provide for this scientif communication. | | | | | | | |



http://www.scielo.org.za/

National & International collaboration – UNESCO





UNESCO started programme mid-2010 & pays attention to Africa and developing countries by presenting regional African workshops.

UMENTS

herlands National commision for ESCO: A Global Perspective on n Access (PDF)

🕂 Share 🗛 🗛 🗔 🛤

Directory of Open Access Education and Training Opportunities (PDF)

ATED INFORMATION

PUBLICATIONS

Open access to knowledge and information: scholarly literature and digital library initiatives; the South Asian scenario

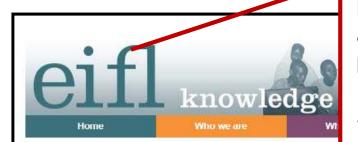
WEBSITES

- Definition of Open Access A very brief introduction to Open Access by Peter Suber
- Directory of Open Access Journals (DOAJ)
- Open Access Week 24-30 October 2011, Everywhere



UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI TA PRETORIA Denillates + Incoming Altrais + Dispopulat the Directed

National & International collaboration – EIFL



What we do

- EIFL-Consortium Management
- EIFL-Licensing
- EIFL-OA: open access
- News
- Events
- EIFL-OA training
- Resources
- Allies and Partners
- EIFL-OA coordinators
- OA advocacy
- OA policy
- EIFL-OA in action
- ▼ FAQ
- EIFL-OA
- Open access
- OA wins SPARC Europe Award
- EIFL-IP: copyright and libraries

EIFL is an international non-profit organization enabling access to knowledge in developing countries by awareness-raising events & workshops.

EIFL-OA: open access

Open access is the immediate, online, free and

maximize the visibility and use of research output.

unrestricted availability of peer-reviewed,

We advocate for open access to

promote knowledge sharing.

EIFL-OA in action ...

research literature. It provides the means to

Home > What we do >

Removing barriers to knowledge sharing

in developing and transition countries are disadvantaged.



2nd Open Access Initiative workshop, Nigeria

 Building capacity to launch open access repositories and to ensure their long-term sustainability. Learn more about repositories

Most research is published in commercial e-journals, but high subscription costs mean that users

 Offering training, supporting knowledge sharing, and providing expertise on open access policies and practices (open access journals, open access repositories, open access book)





only

EIFL-OA Programme wins SPARC Europe Award

Translate page

News

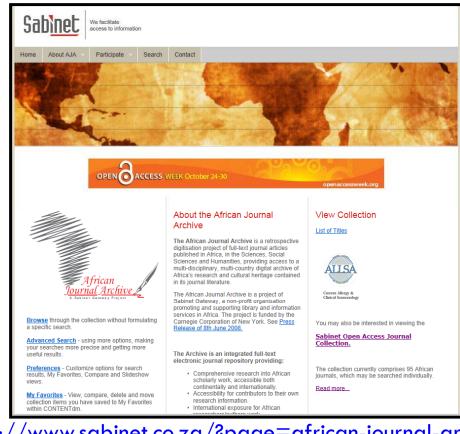
OA in Mozambique: Electronic Theses and Dissertations...

Themed week: Open Journal System (OJS)





African Journal Archive – retrospective OA project of full-text to African journals





http://www.sabinet.co.za/?page=african-journal-archive



Conclusion



- Open Access provides a solution to make research articles freely accessible online
- "OA is a vital means of dissemination of information which is crucial for national development and in achieving MDGs, given the crucial role that information plays in achieving social, economic, cultural and political development." Professor Frank Youngman, DVC, University of Botswana
- BUT, we need the buy-in of everybody on the continent to change the face of African research



References

- 1. Dlamini, H 2011 "UNESCO's Open Access (OA) Strategy" http://www.slideshare.net/BioMedCentral/unescos-open-access-strategy
- 2. Frazier, K 2001 "The librarians dilemma", D-Lib Magazine, vol. 7, no. 3. http://www.dlib.org/dlib/march01/frazier/03frazier.html
- 3. Open Access Movement, Wikipedia, <u>http://en.wikipedia.org/wiki/Open Access movement</u>
- 4. Pool, R 2010 "Big-deal packages squeeze recession-hit libraries", Research Information, June/July. http://www.researchinformation.info/features/feature.php?feature_id=269
- 5. Pouris, A 2010 "'A scientometric assessment of the Southern Africa Development Community : science in the tip of Africa', Scientometrics, vol. 85, no 1, pp. 145-154. <u>http://hdl.handle.net/2263/14657</u>
- 6. Poynder, R 2011 "The demise of the Big deal?", Open and Shut?, March 14, http://poynder.blogspot.com/2011/03/demise-of-big-deal.html
- 7. Swan, A. 2011. Business issues for institutional repositories: a briefing paper. OASIS, available at: http://www.openscholarship.org/upload/docs/application/pdf/2009-09/business_issues_for_irs.pdf
- 8. What universities and administrators can do to promote Open Access, <u>http://api.ning.com/files/eCaaveOCUKkaZKIserrmeINSAzUoFE9IJtNV*N5ID8IDVBTnIKVMzfXuB3gS7cm6S</u> <u>ONOekb7otpJzULpOp0ZotSK-II8bCIK/WhatUniversitiesandAdminCanDo.pdf</u>





University of Pretoria

Thank you! Questions?

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