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 - Green route
 - Gold route
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- ❑ National & international collaboration



Research in Africa



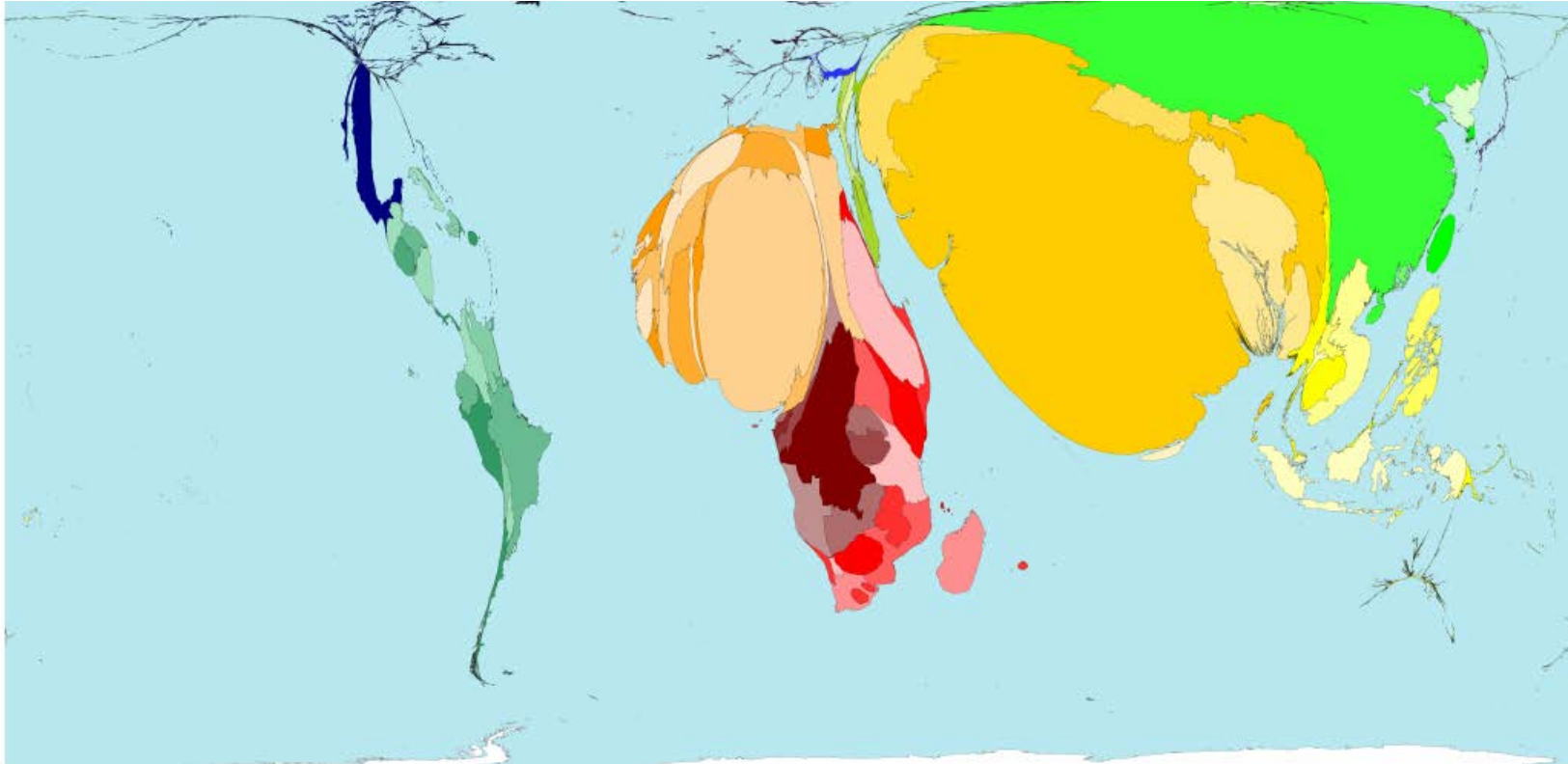
South Africa is responsible for

- 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



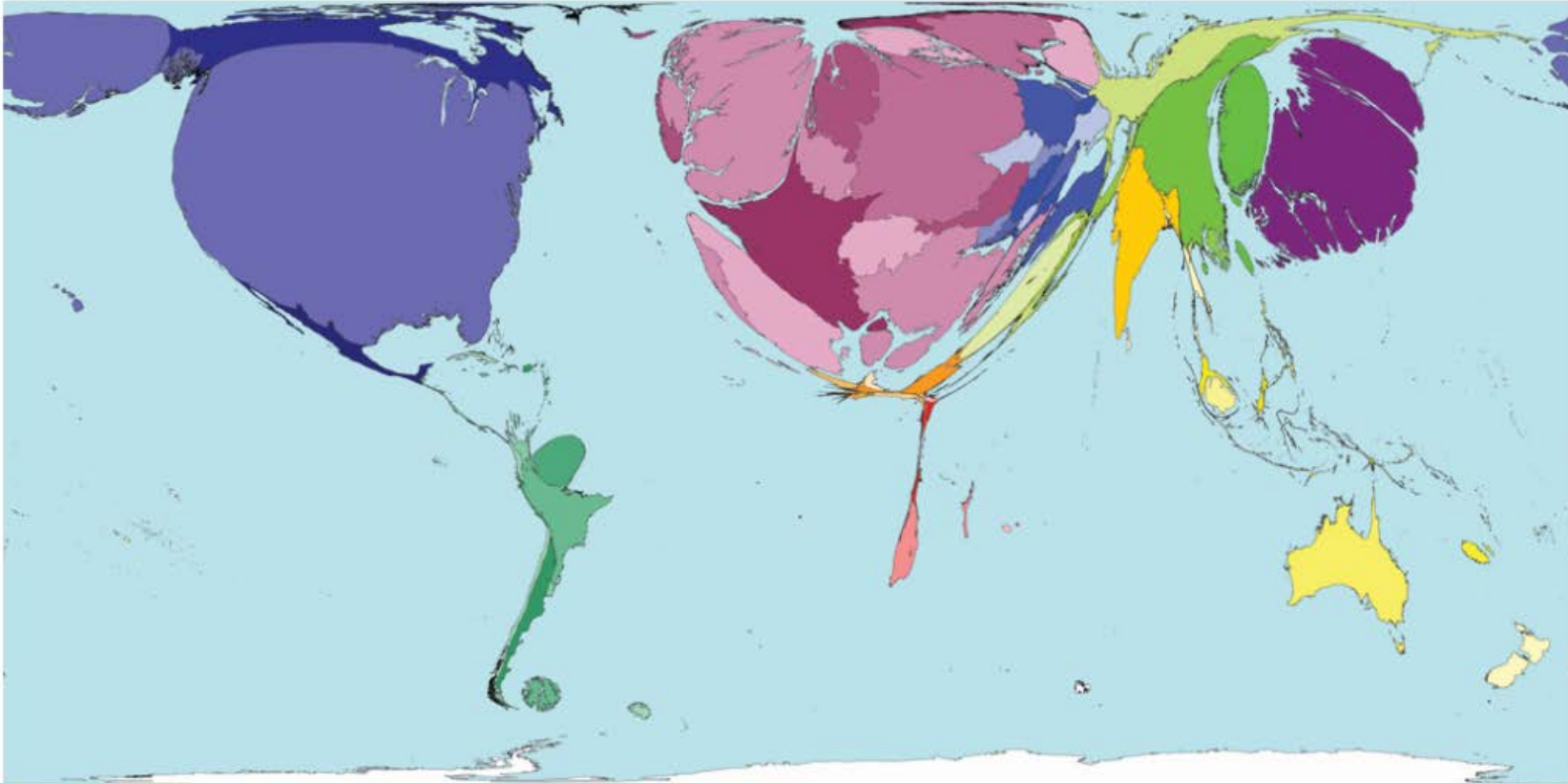
<http://www.worldmapper.org/display.php?selected=179>



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Worldmap according to Science research



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



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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?



Paying for online access...



SpringerLink

SEARCH FOR

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BIOMEDICAL AND LIFE SCIENCES

VIRUS GENES

Volume 41, Number 3, 361-368, DOI: 10.1007/s11262-006-9111-1

E35/\$49/R378

Molecular characterisation of African swine fever viruses from Nigeria (2003–2006) recovers multiple virus variants and reaffirms CVR epidemiological utility

Olajide A. Owolodun, Armanda D. S. Bastos, John F. Antiafong, Mosunmola E. Ogedengbe, Pius S. Ekong and Bitrus Yakubu

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Identification of fungal pathogens occurring in eucalypt and pine plantations in Zambia by comparing DNA sequences

Forestry (2010) 83(5): 507-515 first published online October 29, 2010

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Forestry (2010) 83 (5): 507-515.
doi: 10.1093/forestry/cpq033
First published online: October 29, 2010

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Published on behalf of

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?
 - Contracts are inflexible and vary
 - 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!



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British Research Libraries Say No to 'Big Deal' Serials Packages

July 22, 2011, 4:56 pm
By Jennifer Howard

As some U.S. research libraries *back away* from so-called Big Deals with journal publishers, a major British library group has also taken a stand against high serials prices. Late last year, Research Libraries UK announced that its members would not sign any more large deals with two of the biggest journal publishers, Elsevier and Wiley, unless they agreed to significant reductions in what those deals cost.

The association represents 30 of Britain's major research libraries, including those of the Universities of Cambridge, of Edinburgh, of Oxford, of Warwick, and of Kings College

On Twitter

22 July 2011:
Unless Elsevier & Wiley agree to reductions, Research Libraries UK will not sign the Big Deal

<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?



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 journal business. He also predicts the demise of the Big Deal, the business 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 year later Aspesi appears even more gloomy. In his most recent report he has

Reasons:

- Global financial crisis
- Rise of the Open Access movement

► Archive

► Contact

Blogs, News & More:

The Connotea oa.new page

OA Archivangelism

The Occasional Pamphlet

Mandates Peer
Review Big Deal

Welcome Trust's Robert

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

The cost of knowledge



The Cost of Knowledge

6795 Researchers Taking a Stand. *See the list*

Academics have protested against Elsevier's business practices for years with little effect. These are some of their objections:

1. They charge exorbitantly high prices for subscriptions to individual journals.
2. In the light of these high prices, the only realistic option for many libraries is to agree to buy very large "bundles", which will include many journals that those libraries do not actually want. Elsevier thus makes huge profits by exploiting the fact that some of their journals are essential.
3. They support measures such as SOPA, PIPA and the Research Works Act, that aim to restrict the free exchange of information.

The key to all these issues is the right of authors to achieve easily-accessible distribution of their work. If you would like to declare publicly that you will not support any Elsevier journal unless they radically change how they operate, then you can do so by filling in your details on this page.

More information:

Add your name to the list.

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(optional) such as a link to a blog post of yours explaining your position

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<http://thecostofknowledge.com/#list>

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 copyright-holder.
- 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 is provided by:

- Open Access archives or repositories (green route)
- Open Access journals (gold route)



Open Access map



<http://www.openaccessmap.org/>



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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



OpenDOAR : Directory of Open Access Repositories



More than 2000 repositories, 50 in Africa, 24 in South Africa.

OpenDOAR

Search or Browse for Repositories

Any Subject Area Any Content Type Any Repository Type

Africa (50) Any Language Any Software

Summaries 20 per page. Sort by: Repository Name

To search the *contents* of the repositories listed in OpenDOAR, please see our [trial search page](#).

Results 1 - 20 of 50.

Page: << Previous 1 2 3 Next >>

[AAU-ETD](#) (Addis Ababa University Libraries Electronic Thesis and Dissertations Database)

Organisation: [Addis Ababa University Libraries](#), [Addis Ababa University](#), Ethiopia

Description: This site provides access to the theses and dissertation output of the institution. The interface is in English. Users may set up RSS feeds to be alerted to new content.

OAI-PMH: <http://etd.aau.edu.et/dspace-oai/request>

Software: DSpace

Size: 2554 items (2011-05-17)

Subjects: Multidisciplinary

Content: Theses

Languages: English; Amharic



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<http://opendoar.org/>

ROAR : Registry of Open Access Repositories

Lists a total of 300 open access mandate policies!



Registry of Open Access Repositories

Home About Search Search Content Browse

Login | New Entry | Create Account

Country matches any of "South Africa"


South Africa (27) Any Software Any Repository Type Sort by number of reco Search

Displaying results 1 to 20 of 27.
1 | 2 | Next

Export 27 results as Activity table Export

RSS 1.0 Atom RSS 2.0

Search Content Graphical analysis

- 

1. **UPSpace at the University of Pretoria** (14087 records) *University of Pretoria* - 30 March 2006 [Record Details]



Deposit Activity
- 

2. **Stellenbosch University SUNScholar Repository** (12898 records) *Stellenbosch University* - 12 December 2009 [Record Details]



Deposit Activity

<http://roar.eprints.org/>

Benefits of an Open Access repository

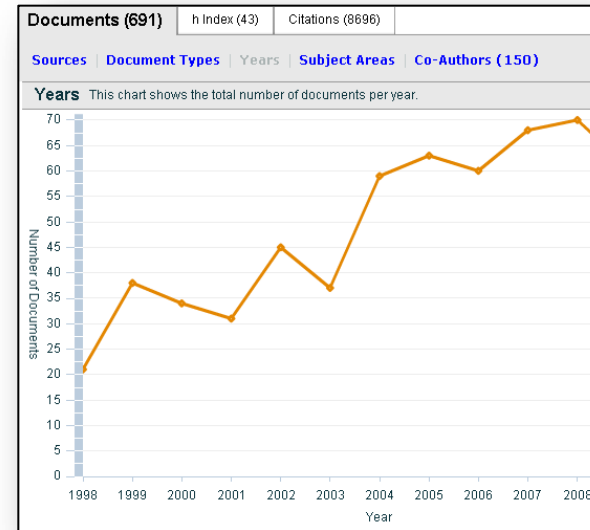
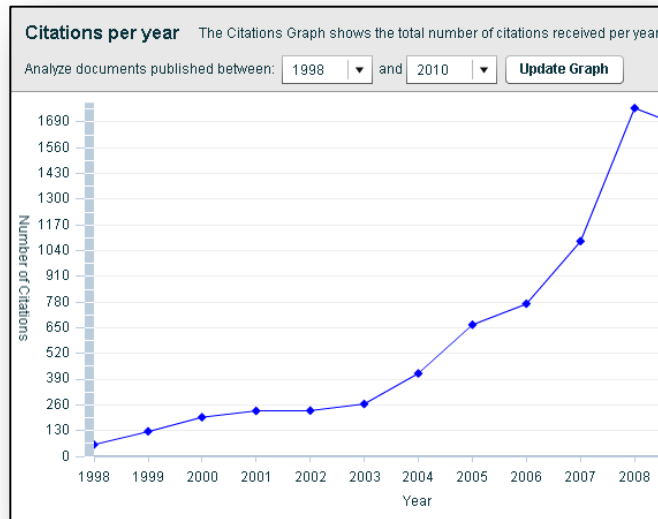
□ Alma Swan (Swan 2011) identified the following benefits:

- 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 intellectual output
- Manages and measures research & teaching activities
- Provides a workspace for work-in-progress
- Supports students endeavors (etds)

□ Benefits researchers, institutions, nations & society



Queensland University of Technology, Australia



- ❑ Prof. Ray Frost (chemistry) began uploading the accepted manuscript versions of his published articles to **QUT ePrints** in 2004
- ❑ These copies have been downloaded a total of 202,754 times
- ❑ His annual citation rate (as measured by Scopus) increased from 265 citations in 2004 to **1760** citations in 2008 (publication rate remained stable)

Author concerns



Ignorance & resistance

- “I don't really understand what kind of preprints or prints you need. Not being the first author of the below listed papers, I do not have any preprints. Both papers are anyway available through the library from the relevant journals. I also doubt whether this request and the display of the preprints is legal!
- “I was going to get all hot under the collar about yet another "mandatory" decision taken”

Copyright restrictions

- “The journal this article was submitted to now owns the copy-right and I am not allowed to give you their documents for open-access!”

Not all journals allow self-archiving of the post-print

Not many authors are satisfied in submitting these versions

Time, time, time...

- “We have very limited time and there are several websites to keep updated lately”

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



DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

7493 journals!

SPARC EUROPE AWARD 2009

For Outstanding Achievement in Scholarly Communication

SPARC

English

Free, full text, quality controlled scientific and scholarly journals, covering all subjects and many languages

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More than one word in a field will be treated as phrase.

and or not

Search articles

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 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

3247 journals searchable at article level

634926 articles

International Network **INASP**

SVENSK BIBLIOTEKS FÖRENING

Springer

BioMed Central
The Open Access Publisher

What can we do to promote Open Access?



☐ Researchers

- Submit articles to Open Access journals OR the post-prints to repositories
- If he/she is an editor – convert the journal to Open Access
- Support Open Access – professional societies, colleagues, journals

☐ Librarians

- Launch an Open Access repository & assist researchers to submit
- Undertake Open Access projects (digitization, preservation)

☐ Universities & Administrators

- Encourage researchers to maintain copyright
- Encourage publication in Open Access journals/provide financial support

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



South Africa's database
which provides wider
impact, visibility & access
to quality journals

SciELO.org

serial browsing

article browsing

reports

Português
Español

alphabetic list
subject list
search form

author index
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search form

site usage
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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.

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 state of the art. The project aims to make visible the science of developing countries that the mainstream does not provide for this scientific communication.

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



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National & International collaboration – UNESCO



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

A screenshot of the UNESCO website page titled 'Communication and Information'. The page features a navigation menu on the left with categories like 'Access to knowledge', 'Archives', and 'Free and Open Source Software (FOSS)'. The main content area is titled 'Open Access to Scientific Information' and includes a large orange padlock icon. The text explains that UNESCO promotes Open Access (OA) as a researcher's greatest output and technological innovation's most important resource. It highlights that UNESCO works to improve awareness about the benefits of OA among policy makers, researchers, and knowledge managers. The page also lists 'DOCUMENTS', 'PUBLICATIONS', and 'WEBSITES' related to Open Access. A red box highlights the text: 'UNESCO started programme mid-2010 & pays attention to Africa and developing countries by presenting regional African workshops'.

United Nations
Educational, Scientific and
Cultural Organization

Communication and Information

UNESCO » Communication and Information » Themes » Access to knowledge » Open Access to Scientific Information

Access to knowledge

- Access for people with disabilities
- Archives
- Free and Open Source Software (FOSS)
- ICT for Education, Science and Culture
- Information literacy
- Internet Governance
- Libraries
- Linguistic diversity on Internet

Open access to

Open Access to Scientific Information

Scientific information is both a researcher's greatest output and technological innovation's most important resource. UNESCO promotes and supports Open Access—the online availability of scholarly information to everyone, free of most licensing and copyright barriers—for the benefit of global knowledge flow, innovation and socio-economic development.

UNESCO promotes Open Access (OA)

UNESCO promotes Open Access (OA), with particular emphasis on scientific information (journal articles, conference papers and datasets of various kinds) emanating from publicly funded research. Working with partners, UNESCO works to improve awareness about the benefits of OA among policy makers, researchers and knowledge managers. Through its global network of Field Offices, Institutes and Centers, UNESCO facilitates the development and adoption of OA-enabling policies. In addition, UNESCO engages in global OA debates and cooperates with local, regional and global initiatives in support of OA.

UNESCO's OA programme pays particular attention to African and other developing countries where,

DOCUMENTS

- Netherlands National commission for UNESCO: A Global Perspective on Open Access (PDF)
- Directory of Open Access Education and Training Opportunities (PDF)

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

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-access-to-scientific-information/>

National & International collaboration – EIFL

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



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EIFL-OA: open access

Removing barriers to knowledge sharing

Most research is published in commercial e-journals, but high subscription costs mean that users in developing and transition countries are disadvantaged.

Open access is the immediate, online, free and unrestricted availability of peer-reviewed, research literature. It provides the means to maximize the visibility and use of research output.

We advocate for open access to promote knowledge sharing.

EIFL-OA in action ...

- Building capacity to launch open access repositories and to ensure their long-term sustainability. [Learn more about repositories](#)
- Offering training, supporting knowledge sharing, and providing expertise on open access policies and practices ([open access journals](#), [open access repositories](#), [open access books](#))

2nd Open Access Initiative workshop, Nigeria

SPARC EUROPE AWARD 2011
FOR OUTSTANDING ACHIEVEMENTS IN SCHOLARLY COMMUNICATIONS

EIFL-OA Programme wins SPARC Europe Award

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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



The screenshot shows the Sabinet website interface. At the top left is the Sabinet logo with the tagline "We facilitate access to information". A navigation menu includes "Home", "About AJA", "Participate", "Search", and "Contact". Below the menu is a large banner image of a map of Africa. A central orange banner promotes "OPEN ACCESS WEEK October 24-30" with the URL "openaccessweek.org". The main content area is divided into three columns. The left column features the "African Journal Archive" logo and lists search options: "Browse", "Advanced Search", "Preferences", and "My Favorites". The middle column, titled "About the African Journal Archive", provides a description of the project and lists its features. The right column, titled "View Collection", includes a "List of Titles" link, the ALISA logo, and a "Sabinet Open Access Journal Collection" link.

Sabinet We facilitate access to information

Home About AJA Participate Search Contact

OPEN ACCESS WEEK October 24-30
openaccessweek.org

African Journal Archive
A Sabinet Gateway Project

About the African Journal Archive

The African Journal Archive is a retrospective digitisation project of full-text journal articles published in Africa, in the Sciences, Social Sciences and Humanities, providing access to a multi-disciplinary, multi-country digital archive of Africa's research and cultural heritage contained in its journal literature.

The African Journal Archive is a project of Sabinet Gateway, a non-profit organisation promoting and supporting library and information services in Africa. The project is funded by the Carnegie Corporation of New York. See [Press Release of 8th June 2008](#).

The Archive is an integrated full-text electronic journal repository providing:

- Comprehensive research into African scholarly work, accessible both continentally and internationally.
- Accessibility for contributors to their own research information.
- International exposure for African

View Collection

[List of Titles](#)

ALISA
Current Awareness & Clinical Immunology

You may also be interested in viewing the **Sabinet Open Access Journal Collection**.

The collection currently comprises 95 African journals, which may be searched individually.
[Read more...](#)

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



Conclusion

- ❑ Readership of African research is reduced due to excessively expensive online subscriptions
- ❑ Open Access provides a solution to make research articles freely accessible online
- ❑ BUT, we need the buy-in of everybody on the continent to change the face of African research



The future of scholarly publishing

- “The evolution of scientific communication will go on, without any doubt, and although that may not mean the total demise of the traditional models, these models will necessarily change. After all, some dinosaur lineages survived as well. We call them birds. And there are some very attractive ones. They are smaller than the dinosaurs they evolved from, though. Much smaller.” – Jan Velterop (Currently CEO of Academic Concept Knowledge Limited (AQnowledge), previously from Elsevier, Academic Press, Springer, Nature and BioMed Central)



<http://poynder.blogspot.com/2012/02/open-access-interviews-jan-velterop.html>

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11. What universities and administrators can do to promote Open Access, http://api.ning.com/files/eCaaveOCUKkaZKIserrmeINSaZUoFE9IJtNV*N5ID8IDVBtNlKVMzfXuB3gS7cm6SONOekb7otpJzULpOp0ZotSK-lI8bCIK/WhatUniversitiesandAdminCanDo.pdf



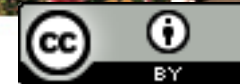
University of Pretoria

Thank you!
Questions?

Elsabé Olivier
elsabe.olivier@up.ac.za



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