



Ask me about Open access:

Scholarly journals: what are we going to do and how?

Mrs Susan Veldsman  
Director : Scholarly Publishing Programme

*Applying scientific thinking  
in the service of society*

## Content

- Global Science Publishing
- Status of Scholarly Publishing in South Africa
- SciELO South Africa
- Subscription / toll access models
- OA models/ publishing/ considerations

## A) Global Science Publishing Arena: Web of Science

- The system assumes that 20% of the journals (biggest, best established, high impact and most respected) contain 80% of real value of scientific knowledge
- Most scientists in developing countries remain at the periphery of this critical communication process - exacerbating the low international recognition and impact of their accomplishments
- For science to become influential and productive in developing countries---this needs to change

## COVERAGE OF REGIONAL AND SOUTH AFRICAN JOURNALS

Web of Science	2005	2010/2011	Growth	Variation
<b><u>Total</u></b> <i>Journals Indexed</i>	8,834	11,423*	2,589	<b>+ 29%</b>
<b><u>Regional</u></b> <i>Journals Indexed</i>	1,716	3,605	1,889	<b>+ 110%</b>
<b><u>South African</u></b> <i>Journals Indexed</i>	27	67	40	<b>+ 148%</b>

\* 1000 Open Access Journals

## B) Status of scholarly publishing in South Africa

Research publishing in South Africa is undertaken in **good faith** and with **much personal effort and commitment** by editors and their editorial boards,

- but is very **fragile** in that:
- **infrequent**, often irregular publication of **thin issues** is generally used to deal with a **low supply of good papers**
- a majority of the journals play only a **tiny role** in the world research publishing system,
- the “**mixed bag**” of **quality** and reputation in the DoHET’s local accreditation list means the whole group is “tainted” in the eyes of key stakeholders



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**SciELO** The Scientific Electronic Library Online (**SciELO**) SA is South Africa's premier open-access (free to access) searchable full-text journal database in service of the South African research community. The database is a collection of peer-reviewed South African scholarly journals and forms an integral part of the SciELO Brazil managed by the Academy of Science of South Africa (ASSAf), funded by the South African Department of 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, and 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 they can provide for this scientific communication.

The coordinating centers all follow the same methodology and technology developed and maintained under the SciELO Brazil. Each collection has its own Web portal with multilingual interfaces in English, Portuguese and Spanish. The interfaces include a bibliometric module that provides usage statistics based on article downloads and impact factor calculations. This allows for the following up of the performance of the collections and the individual journals.

### SciELO approved journals are:

- South African and eventually African
- Open accessible
- DoHET accredited and IBSS or ISI or
- Quality approved by ASSAf Peer review panel

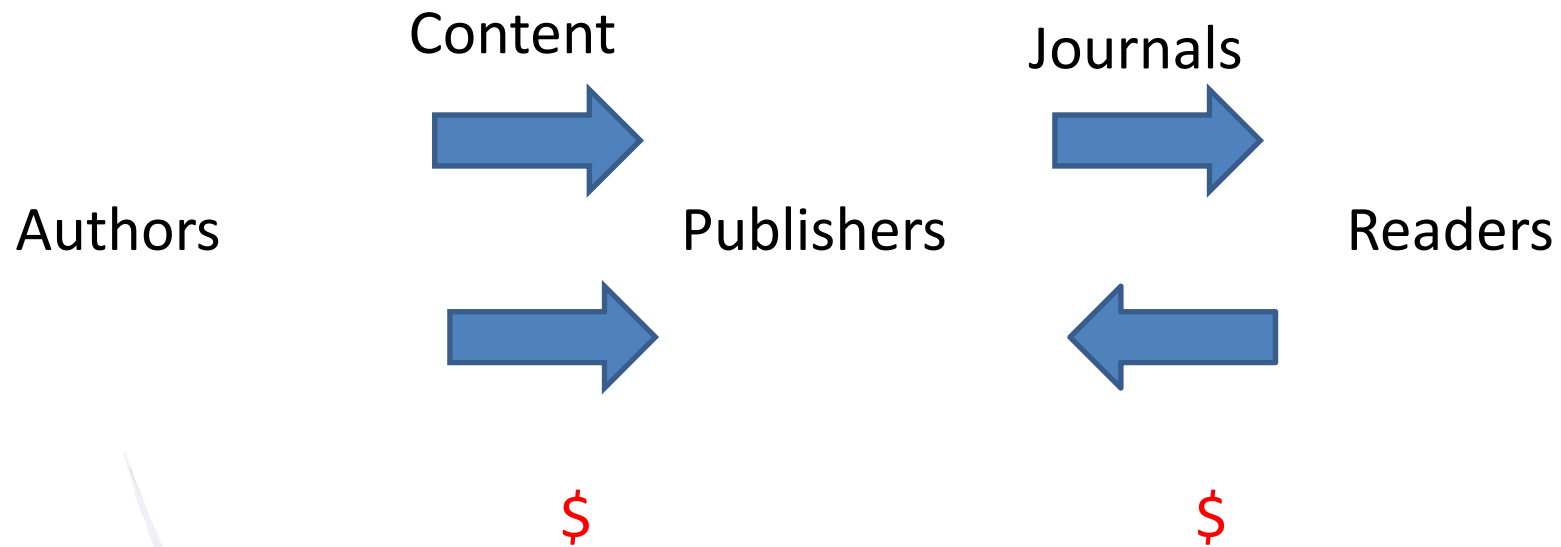
Funded by DST  
Endorsed by DoHET

## Library Collection

- [atic list](#) - 20 serials listed
- [titles](#) - 20 serials listed
- [cta Theologica](#) - 5 issues
- [ervormde Teologiese Studies](#) - 10 issues
- [ournal of the South African Institution of Civil Engineering](#) - 5 issues
- [ournal of the South African Veterinary Association](#) - 5 issues
- [oedoe](#) - 4 issues
- [ronos](#) - 3 issues
- [inderstepoort Journal of Veterinary Research](#) - 2 issues
- [ER: Potchefstroomse Elektroniese Regsblad](#) - 15 issues
- [ychology in Society](#) - 4 issues
- [A Journal of Industrial Psychology](#) - 4 issues
- [A Orthopaedic Journal](#) - 6 issues
- [AMJ: South African Medical Journal](#) - 31 issues
- [outh African Journal of Animal Science](#) - 9 issues
- [outh African Journal of Economic and Management Sciences](#) - 3 issues
- [outh African Journal of Education](#) - 14 issues
- [outh African Journal of Science](#) - 24 issues
- [ydskrif vir Geesteswetenskappe](#) - 6 issues
- [ydskrif vir Letterkunde](#) - 5 issues
- [vater SA](#) - 14 issues
- [esterday and Today](#) - 2 issues

Sept 2011
20 journals of the pla plus 2 in proces
169 issues
2 777 articles
23 775 site visit
Ave 793 site visits pe
169 countries
2 782 cities

# Publishing models: Subscription/toll access



# Open Access publishing model: author-pays

- Free to the end user! (read, downloaded, copied, distributed etc)
- Author retains Copyright-therefore no legal barriers

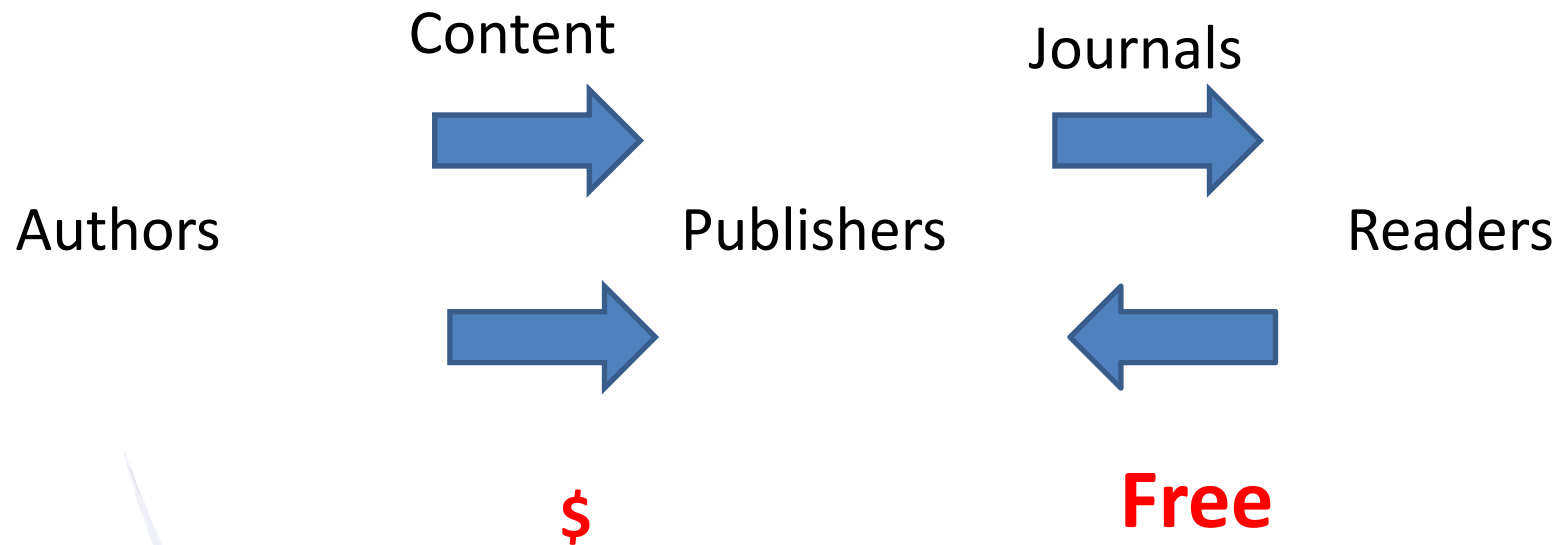
**BUT IT IS NOT.....**

Free to publish

Free to maintain

Free print

# Publishing models: Open access



# OA offers increased visibility, indexability, discoverability, citability, and dissemination!!



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## Editorial enquiries

Title Operations Coordinator

**Margo Martens**

Tel: 086 1000 381

Tel: +27 21 975 2602

Fax: 086 5004 974

Email:

submissions@koedoe.co.za

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### Editorial



**Open Access** The development and application of strategic adaptive management within South African National Parks

PDF (680 KB)

*Dirk J. Roux, Llewellyn C. Foxcroft*

### Essay



**Open Access** River management under transformation: The emergence of strategic adaptive management of river systems in the Kruger National Park

PDF (1 MB)

*Sharon Pollard, Derick du Toit, Harry Biggs*



**Open Access** How assessment and reflection relate to more effective learning in adaptive management

PDF (896 KB)

*Harry Biggs, Charles Breen, Rob Slotow, Stefanie Freitag, Marc Hockings*

# Considerations of OA publishing

- Open access journals do have costs
- How do current scholarly journals ensure their sustainability e.g. subscriptions?
- Who funds the publication/author/article processing fee ?
- The publication fee is a very small fraction of the costs of doing research
- Policies, systems, processes, budgeting etc in institutions and government need to shift

# A huge flow of money!

Accreditation: units as per policy = R130 000 in 2010

Books	333
Conference Proceedings	351
Journal articles	7 403
TOTAL	8 087 x R130 000 per unit = R1 051 310 000

## Funds generated:

± R 1 billion to Higher Education institutions as block subsidy.

R 10 million a good start to an “institution pay for subsidisation of the production costs of Open Access journals! (1%)

# Stakeholders in OA publishers

## USERS

Authors

Editors

Librarians

Publishers

End-Users

## FUNDERS

Tax Payers

International  
Fundors

Government

## POLICIES

Editorial  
Boards

Institutions

Government

## Conclusion

The ScIELO SA platform is a concerted intervention into the country's National System of Innovation (NSI), which focuses on

- the enhancement of the **quality, quantity, accessibility, indexability** and worldwide **visibility** of original, peer-reviewed publications
- **Promote and enhance** the standing and effectiveness of South Africa's research journals nationally and internationally
- Improve the **productivity/efficacy** of publication through different modalities e.g. electronic publication

Thank you!

Susan Veldsman

Director: Scholarly Publishing  
Academy of Science of South Africa  
[susan@assaf.org.za](mailto:susan@assaf.org.za)

