

The Open Access Continuum: Open Research and Altmetrics

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Scholarly Communication in Africa Programme

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OPEN  ACCESS

Open Access

Green Route

- Self-archiving of scholarly content prior to, in parallel with, or after publication
- 2085 repositories worldwide (DOAR 2011)

Gold Route

- Primary publication in open-access journals
- 7 070 journals (DOAJ 2011)

But it's not only about journal articles.

There is an abundance of information online.

The internet has changed the way we consume information. No longer single source (journal, book). This changes how we locate, verify and measure new information.

“Rather than *finding* information, it is the *filtering* of relevant information that is hard to do on the internet.”

(David Weinberg)

“Open access to this knowledge is critical if it is to be shared between individuals and groups.

But sharing alone is not enough.

Knowledge only becomes useful when we can distinguish between relevant and less relevant information, when we can discuss aspects of the information, when we can annotate and improve on ideas, when we can devise new approaches and collaborate online.”

(Olijhoek 2012)

A thick red graphic element resembling a right-facing curly bracket or a stylized 'C' shape, positioned behind the text.

Open
Research

Open Research

- Replicable (transparency - method)
- Reusable (results free for re-use and appropriation)
- Replayable (tools available for appropriation)
- Collaborative
- Interdisciplinary
- Granular
- Immediacy factor
- Suited to addressing socio-economic imperatives and collaborative breakthrough





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Open Access Infrastructure for Research in Europe

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Press release

Paving the way to open data:
OpenAIREplus – linking publications to
data and funding schemes.

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Latest News

RCUK drafts new Open
Access policy
14/03/2012

RCUK (UK's Research
Councils) have proposed a
new revised Open Access
policy. From the new policy:
[...]

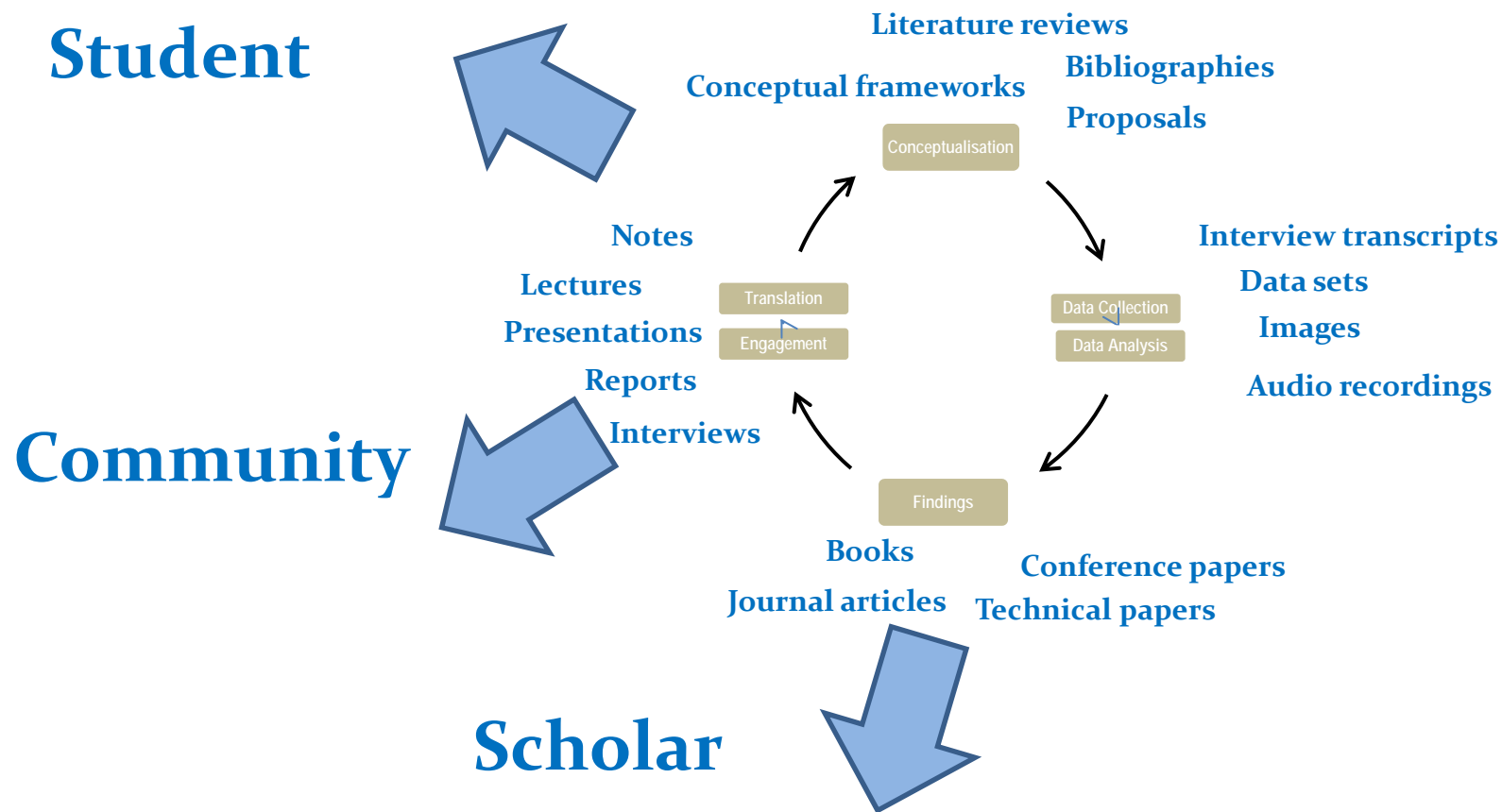
[Read more...](#)

- [Elsevier's practices opposing open access](#)
- [How to make your repository OpenAIRE compliant: the sessions recordings](#)

Traditional Scholarship

- Relatively contained disciplinary context.
- Relatively clear scholarly community.
- Relatively clear boundaries.
- Particular points of engagement.

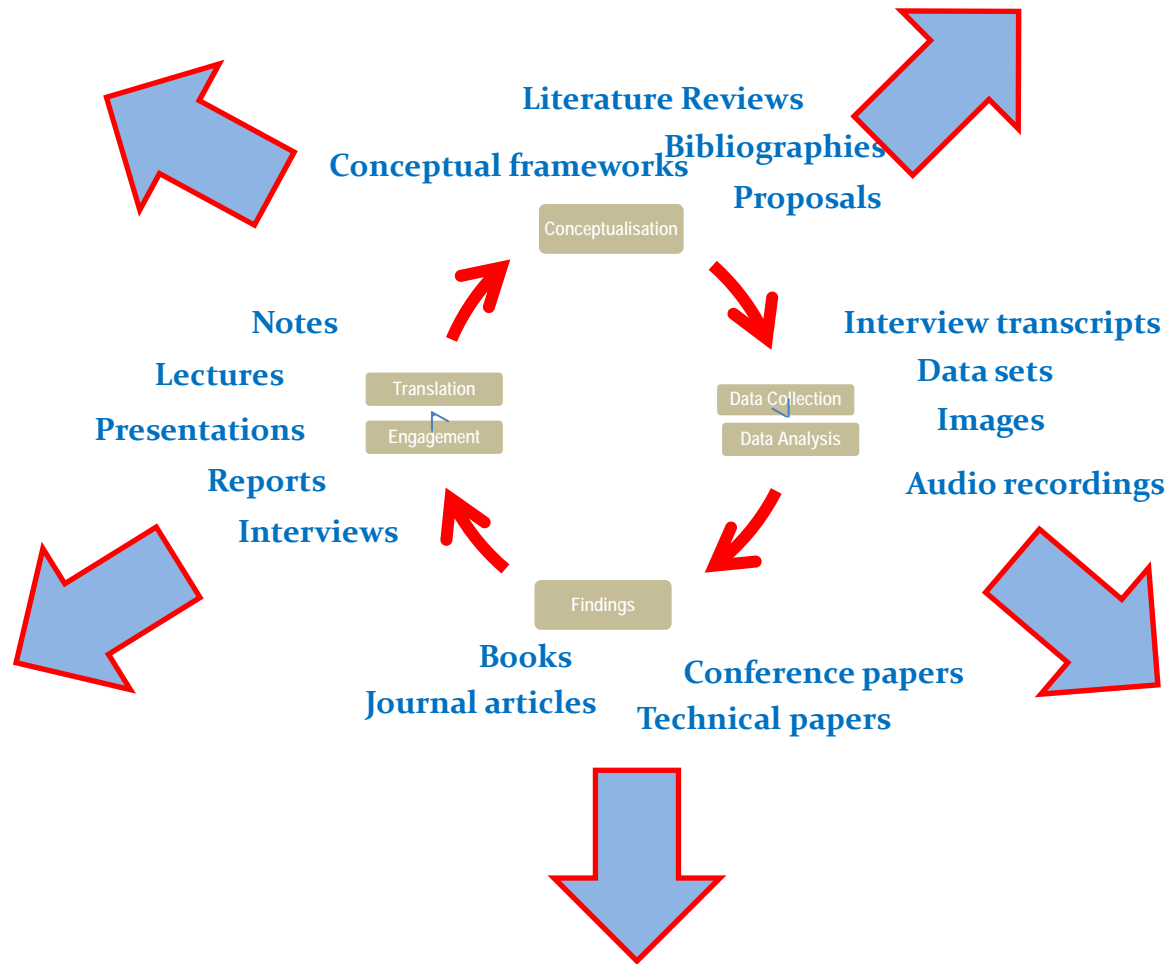
Traditional Scholarly Communication



Scholarship 2.0

- New ways of describing content (and looking for it). Metadata as passport to participation.
- New ways of tracking usage.
- Aggregation crucial.
- Blogging and social networking as mechanisms for research and collaboration.
- Outputs of social web become part of the scholarly record.
- Rise of the global networked scholar.

New Models of Scholarly Communication



New questions arise...

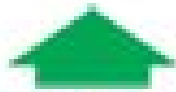
- What about peer review and quality control?
- What does this mean for how we measure and reward research? (What does this mean for the notion of ‘impact’?)

Impact



usage

downloads
views



peer-review

expert opinion



citations



alt-metrics

storage
links
bookmarks
conversations

altmetrics

Bibliometrics mined impact on the first
scholarly Web.

altmetrics mines impact on the next one.

Jason Priem

Altmetrics

1. Conventional outputs > unconventional measures

(Cameron Neylon)

The decoupled journal



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Expand public access to research in the US

FEBRUARY 14, 2012

We have a unique opportunity to ignite change by supporting the Federal Research Public Access Act (FRPAA). This bill will ensure free, timely, online access to the published results of research funded by eleven U.S. federal agencies. Significantly, at the Federal level FRPAA has been introduced into the House and Senate at the same time and it is also being supported at a State level through an initiative called the Taxpayer Access to Publicly Funded Research Act (TAPFR) in New York.

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Male Circumcision for HIV Prevention in High HIV Prevalence Settings: What Can Mathematical Modelling Contribute to Informed Decision Making?

Article

Metrics

Related Content

Comments: 1

Article Usage

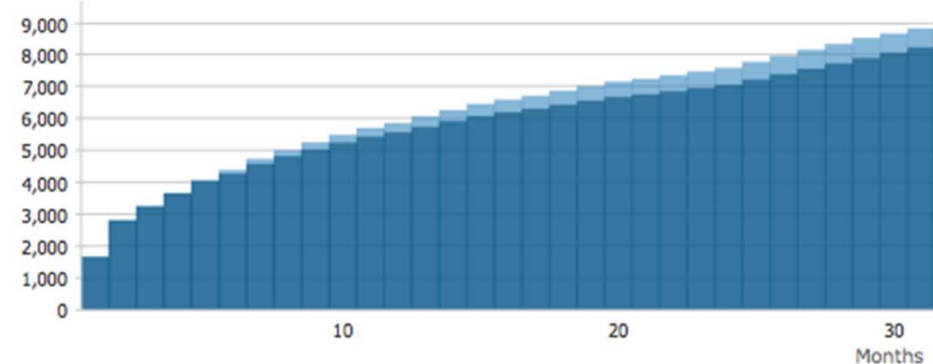
Total Article Views

8,832

Sep 8, 2009 (publication date) through Mar 20, 2012*

	HTML Page Views	PDF Downloads	XML Downloads	Totals
PLoS	7,094	1,076	34	8,204
PMC	404	224	n.a.	628
Totals	7,498	1,300	34	8,832

Cumulative Views

Download: [PDF](#) | [Citation](#) | [XML](#) EzReprint New & improved!Published in the [September 2009 Issue of PLoS Medicine](#)

Metrics

Total Article Views: **8,832**

Citations

[CrossRef \(8\)](#)
[PubMed Central \(15\)](#)
[Scopus \(12\)](#)
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Social Networks

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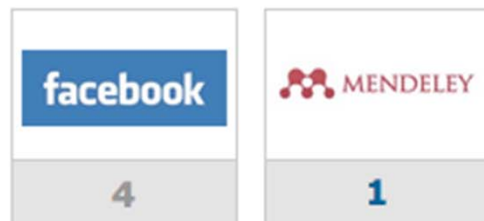
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1

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[Metrics Information and Summary Data for PLoS Medicine](#)

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Drag the
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here

Instantly get article-level metrics for any paper for free

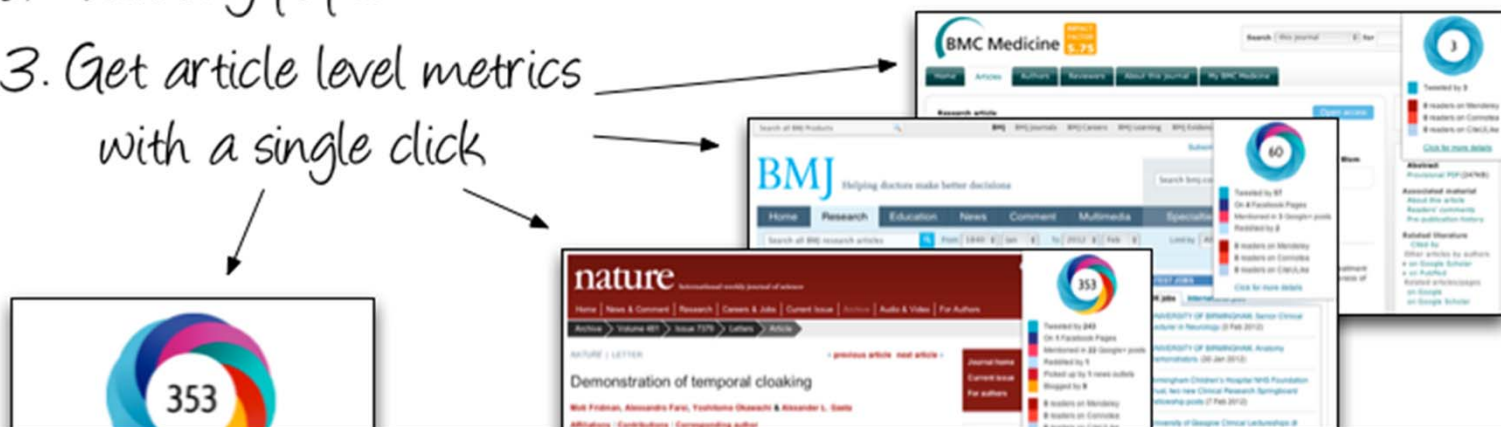
Altmetric It is a free bookmarklet for Chrome, Firefox and Safari (IE and Opera support are coming soon).

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2. Visit any paper
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Altmetrics

2. Unconventional outputs > conventional measures

(Cameron Neylon)

The social web

The social web and science

58k tweets mention scientific articles (with a DOI, PMID or arxiv ID), 1 – 31 July 2011.

<http://buzzdata.com/stew/tweets-linking-to-scientific-papers-jul-2011#!/overview>

Highly tweeted articles 11 times more likely to be highly cited than less-tweeted articles.

Tweets can predict highly cited articles within the first 3 days of article publication. Social media activity either increases citations or reflects the underlying qualities of the article that also predict citations

[Eysenbach et al. 2011](#)

New tools for exploring impact

www.total-impact.org

total·Impact

[twitter](#)

[about](#)

Uncover the invisible impact of research.

Create a collection of research objects you want to track. We'll provide you a report of the total impact of this collection. You can peruse [a sample report](#) or check out the most [recently shared reports](#).

Collect research objects

...and review your collection:

Create report

Paste object IDs,

Add one DOI, PubMed ID, URL, or other supported identifier per line:

`http://t.co/L1ESiq3E`

Add to collection

1 objects in this collection [clear](#)

✖ `http://t.co/L1ESiq3E`

Name your collection:

my collection

get my metrics!

my collection

run update

download data

1 artifacts; updated 21 Mar, 2012

unknown

Permalink: <http://total-impact.org/collection/ilwmlp> [copy](#)

 Tweet 0

<http://t.co/L1ESiq3E>

no bibliographic info available.

8



tweets

More detail on [available metrics](#). Missing some artifacts or metrics? See [cu](#)

Search the Social Web

Search

Advanced Search

stellenbosch precursor seminar access trends

8

posts

tweet

New trends in open access. Join us at Stellenbosch University on Thursday for Berlin10 precursor seminar.

library.sun.ac.za/English/aboutus/news/Announcements/Lists/Posts/Post.aspx?ID=20&List=c150e4f4-eb... - view page - cached page

#impact #ir #su #altmetrics #openresearch #berlin10

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alerts

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scaprogramme Michelle Willmers

Talking about #openresearch, #IR, #altmetrics and #impact tomorrow. #SU #Berlin10 precursor seminar

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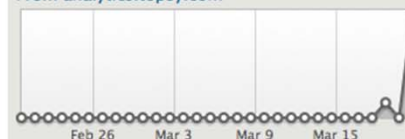


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Buzz on sun.ac.za



wh_boshoff Smallness of SA economy shouldn't constrain entrepreneurs & thinkers from leading in Africa. Flanders shows us how. <http://t.co/TuprQMxF>
2 hours ago from Twitter

2 responses



matiesstudents Onoorwonne Maties beklink tuis semi-finaal: <http://t.co/qxkBem85>
7 hours ago from Twitter

3 responses



Johanfourieza Sure: <http://t.co/DQMIwcXy> RT @MariaLavik: @JohanFourieZA Hi, I'm doing a story on white poverty in SA, can I contact you?
7 hours ago from Twitter

1 response



science_mu Van Zyl Slabbert's legacy honoured at honorary lecture <http://t.co/AVTf8CSk>
17 hours ago from Twitter

1 response

Google url shortener

Long URL: library.sun.ac.za/English/aboutus/news/Announcements/Lists/Posts/Post.aspx?List=c150e4f4-ebf3-4094-8f91-d9dc68e01608&ID=20&Web=3de2e606-aa09-44ac-bd24-b38fb3a7430d

Short URL: goo.gl/BJ1ES

Created: 4 days ago

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<http://goo.gl/BJ1ES.qr>

Clicks for the past: [two hours](#) | [day](#) | [week](#) | [month](#) | **all time**

Clicks

25 clicks on this short URL

25 total clicks on all goo.gl short URLs pointing to this long URL

Clicks

25 clicks on this short URL

25 total clicks on all goo.gl short URLs pointing to this long URL

Traffic sources



Referrers

t.co	12
Unknown/empty	8
twitter.com	2
goo.gl	1
hootsuite.com	1
m.facebook.com	1

Visitor profile

Countries

South Africa	7
Japan	3
Ukraine	3
United Kingdom	2
United States	2
Canada	1
Czech Republic	1
Germany	1
Spain	1
France	1

Browsers

Firefox	9
Chrome	8
Mobile	3
Firebird	1
Instapaper	1
Internet Explorer	1
Mobile Safari	1
Safari	1

Platforms

Windows	9
Macintosh	6
Other Unix	6
iPad	2
Linux	1
iPhone	1

How do we start?

SLOWLY.

- Experimenting with tools.
- Consider interoperability of systems (for tracking capacity).
- Gather usage data and watch for trends/characteristics.
- Engage with scholarly networks as important new commodity.

Conclusion:

towards Expanded Open Access

- Transparency in methodology, observation and collection of data.
- Public availability and re-usability of data.
- Public accessibility of scientific communication.
- Using web-based tools to facilitate scientific collaboration.
- Encouraging practices such as publishing open research, campaigning for open access, encouraging scientists to practice open notebook science, and generally making it easier to publish and communicate scientific knowledge.

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