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### **What's new in Open Access worldwide?**

SWAN, Alma  
Key Perspectives Ltd

SWAN, Alma. What's new in Open Access worldwide? In *35th LIBER Annual General Conference, Turning the library inside out, Uppsala, du 4 au 7 juillet 2006* [en ligne]. Format PDF.

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# What's new in Open Access?

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Alma Swan  
Key Perspectives Ltd  
Truro, UK

*Key Perspectives Ltd*

# Open Access journals

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- Some myths that died:
  - ISI doesn't cover OAJs
  - They publish rubbish ...
  - Payment corrupts peer review
  - Business models are unsustainable:
    - PLoS and BMC raising fees
    - Kaufman-Wills study
    - Hindawi (37 titles, many converted)

# DOAJ

- June 2004 – added article-level searching
- 653 journals searchable at article level
- 2296 journals in total
- 102K articles

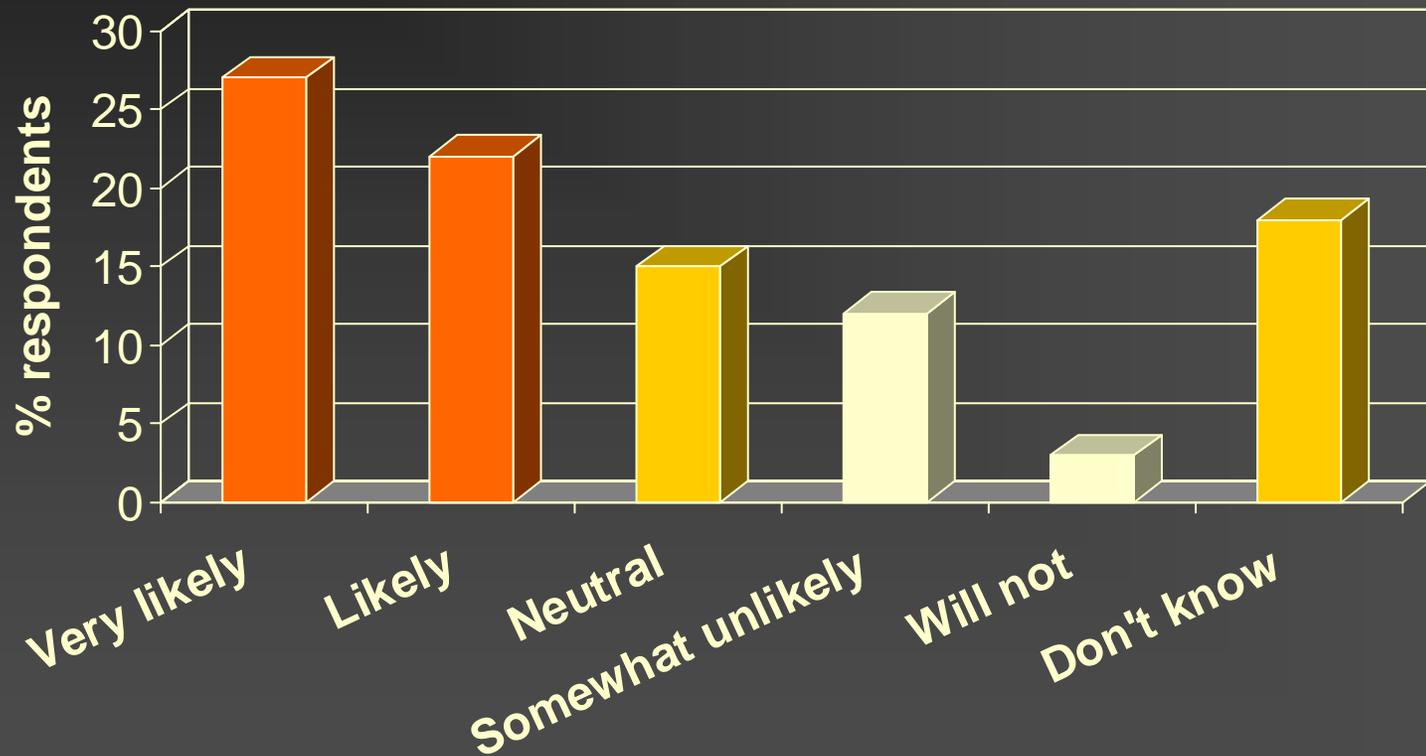


# The new 'hybrid OA' publishers

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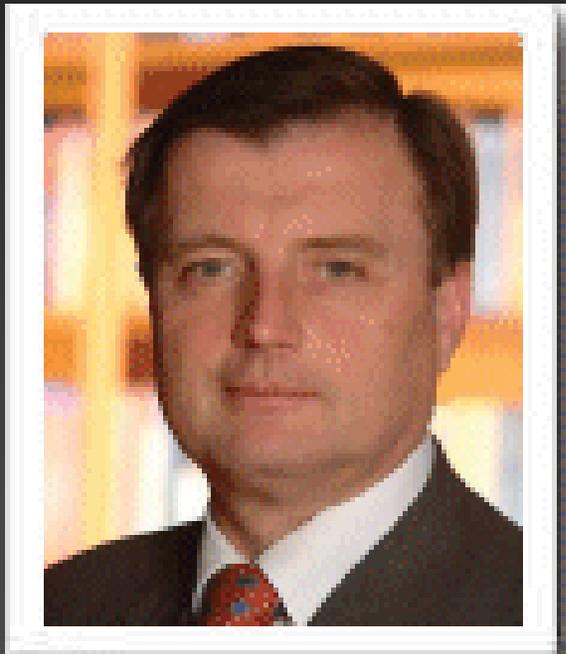
- NAS (*Proceedings NAS*)
- OUP, Springer, Blackwell and now ...
- Elsevier, and even more recently ...
- The Royal Society

# OA publishing intentions



# Derk Haank

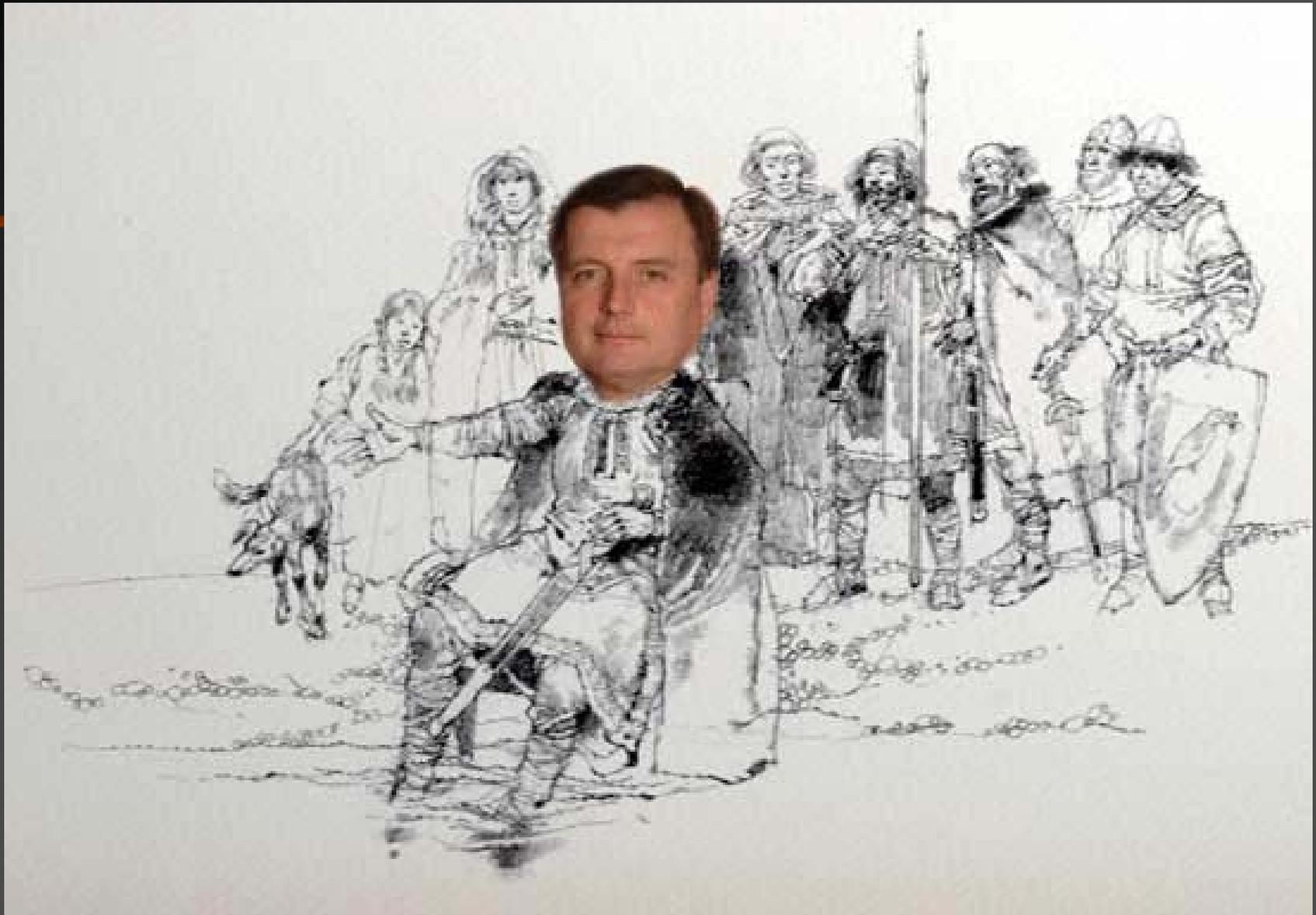
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Early 2004:  
Joined Springer as  
CEO

Introduced 'Open  
Choice'





# Derk's new move

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August 2005:

Appointed Jan  
Velterop as  
Director of Open  
Access



# Peer review

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- Atmospheric Chemistry & Physics
- PLoS One

# Atmospheric Chemistry & Physics

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## Atmospheric Chemistry and Physics

■ Copernicus.org ■ Home EGU ■ Copernicus Publications ■ Copernicus Meetings

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### Atmospheric Chemistry and Physics (ACP) & Atmospheric Chemistry and Physics Discussions (ACPD)

[www.atmospheric-chemistry-and-physics.net](http://www.atmospheric-chemistry-and-physics.net)  
[www.atmos-chem-phys.net](http://www.atmos-chem-phys.net)  
[www.atmos-chem-phys.org](http://www.atmos-chem-phys.org)  
[www.atmos-chem-phys-discuss.net](http://www.atmos-chem-phys-discuss.net)

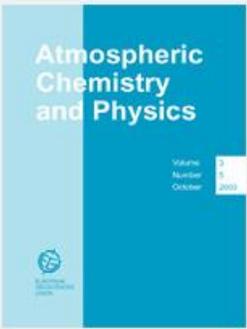
Executive Editors: Ulrich Pöschl, Ken S. Carslaw, Thomas Koop, Rolf Sander, William T. Sturges

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ACP Print: ISSN 1680-7316  
ACP Online: ISSN 1680-7324

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ACPD Online: ISSN 1680-7375

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Atmospheric Chemistry and Physics

Volume 5  
Number 10  
October 2009

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# PLoS One



OPEN ACCESS 2.0

arrives 2006

## ■ INTRODUCTION

■ INCLUSIVE SCOPE

■ OBJECTIVE PEER REVIEW

■ PERSONALIZED CONTENT

■ ENCOURAGING DISCUSSION & DEBATE

■ INTERACTIVE PAPERS

■ RAPID PUBLICATION

■ FREEDOM OF USE & OWNERSHIP

■ HIGH IMPACT

## Introducing *PLoS ONE*

The Public Library of Science (PLoS) publishes a [family of journals](#) that make peer-reviewed scientific and medical information freely available online. Anyone with an Internet connection can read, download, distribute, or use everything we publish without restriction.

This is called [open-access publishing](#) and now it's time to take it to another level.

Later this year, PLoS will launch *PLoS ONE*.

- A peer-reviewed publication that publishes all rigorously performed science
- A vibrant online forum that encourages scientific dialogue and debate

*Key Perspectives Ltd*

# Finding OA content: Indexing services

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- Elsevier launched Scopus
  - Covers 14,000 titles
  - Includes 532 open access journals
  - Scirus links off Scopus site
- ISI announces Web Citation Index
  - Collaboration with NEC (CiteSeer)
  - Publishes citation count for each article



# Finding OA content: free services

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- Google Scholar
- Microsoft Live Academic Search
- Folksonomies, tagging, e.g. Connotea
- Wikis and blogs

Search

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# RealClimate

Climate science from climate scientists

21 Apr 2006

## How not to write a press release

Filed under: [Climate Science](#) [Climate modelling](#) [Reporting on climate](#)— gavin @ 3:37 pm

A recent BBC radio [documentary](#) on the possible over-selling of climate change, focussed on the link between high profile papers appearing in *Nature* or *Science*, the press releases and the subsequent press coverage. One of the examples chosen was the [Stainforth et al](#) climateprediction.net paper that reported the ranges of climate sensitivity within their super-ensemble of perturbed physics runs. While there was a lot of interesting science in this paper (the new methodology, the range of results etc.) which fully justified its appearance in *Nature*, we were quite critical of their basic conclusion - that climate



[En français](#)

[Hay algunas traducciones en Español \(o por google\)](#)  
[Auf Deutsch](#) (durch google)

### Recent Comments:

- [Alexi Tekhasski](#) @ How not to write a press release
- [Skeptick](#) @ How not to write a press release
- [Richard Ordway](#) @ How not to write a press release
- [Jim Baerg](#) @ Lessons from Venus
- [Steve Bloom](#) @ How not to write a press release



# OPEN WETWARE

**OpenWetWare** is an effort to promote the sharing of information, know-how, and wisdom among researchers and groups who are working in biology & biological engineering. Learn more about us [here](#). If you would like edit access, would be interested in helping out, or want your lab website hosted on OpenWetWare, please let [us know](#).

## **Community** (edit)

### **Getting Started**

- [About OpenWetWare](#)
- [Why join?](#)
- [How to join](#)
- [FAQ](#)
- [Contributing](#)
- [Help](#)
- [Collaborative Projects](#)
- [Seminar Series](#)

## **News** (edit)



### **Happy Birthday**

OpenWetWare!!



### **In the News**

Cool Bio Updates!



### **Community Portal**

Re-launch



### **BE.109**

OWW in the classroom.

4/03 There is a steering committee meeting today.  
3/24 OWW Open Science seminar with John Wilbanks  
3/23 The Main Page has undergone major

## **Labs** (edit)

[Brown](#) [show]

[Drexel](#) [show]

[Harvard](#) [show]

[IISc, Bangalore](#) [show]

[Imperial College](#) [show]

[Marshall University](#) [show]

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# Open Access repositories

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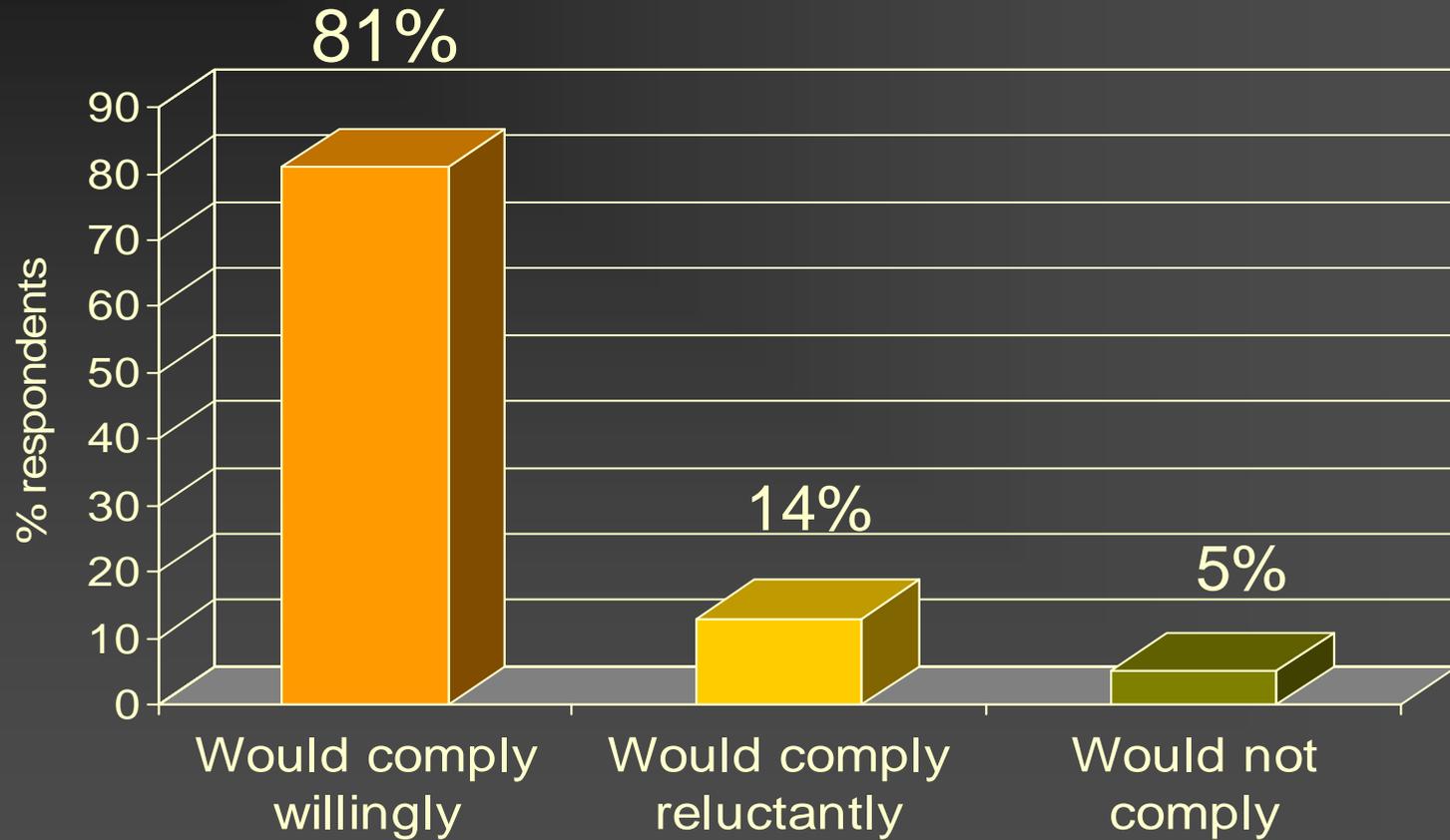
- arXiv – 15 years old: 375K records
- PMC:
  - recipient of PLoS and BMC articles
  - ... and NIH articles
- Google Base (Google-compliant, can use content unattributably, ‘Academic content’)
- Internet Archive, and others

# Institutionally-based repositories

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- 700+
- Half are institutional or departmental
- Growth of 1 per day, but...
- Average number of postprints is 297!

# Author compliance



# Institutional-level mandates

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- QUT: introduced a mandate to self-archive at the beginning of 2004
- Southampton University School of Electronics & Computer Science, Jan 2004
- CERN
- University of Minho, Portugal
- University of Zurich

# Policies and mandates

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- **Policies:**
  - An almost-mandate from the DFG
  - Exhortations and encouragements from public research funders in Finland, USA
- **Proposed mandates** : public funders (Canada, Australia, S.Africa, Ukraine, **USA** and EU)
- **Real mandate** from private funder (Wellcome Trust)
- RCUK (Research Councils UK)

Council	Policy	Require	Request	Which version	OAJs
AHRC	End 2006				
BBSRC	✓	✓		?	
CCLRC	✓		✓	Depends on publisher	
EPSRC	2008				
ESRC	✓	✓ ?('should')		Depends on publisher	Can use grant money
MRC	✓	✓		?	Include in grant bid
NERC	a.s.a.p.				
PPARC	☠				

# Open Access pin-up for 2006

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**Professor Colin  
Blakemore, FRS**

Chief Executive

Medical Research Council

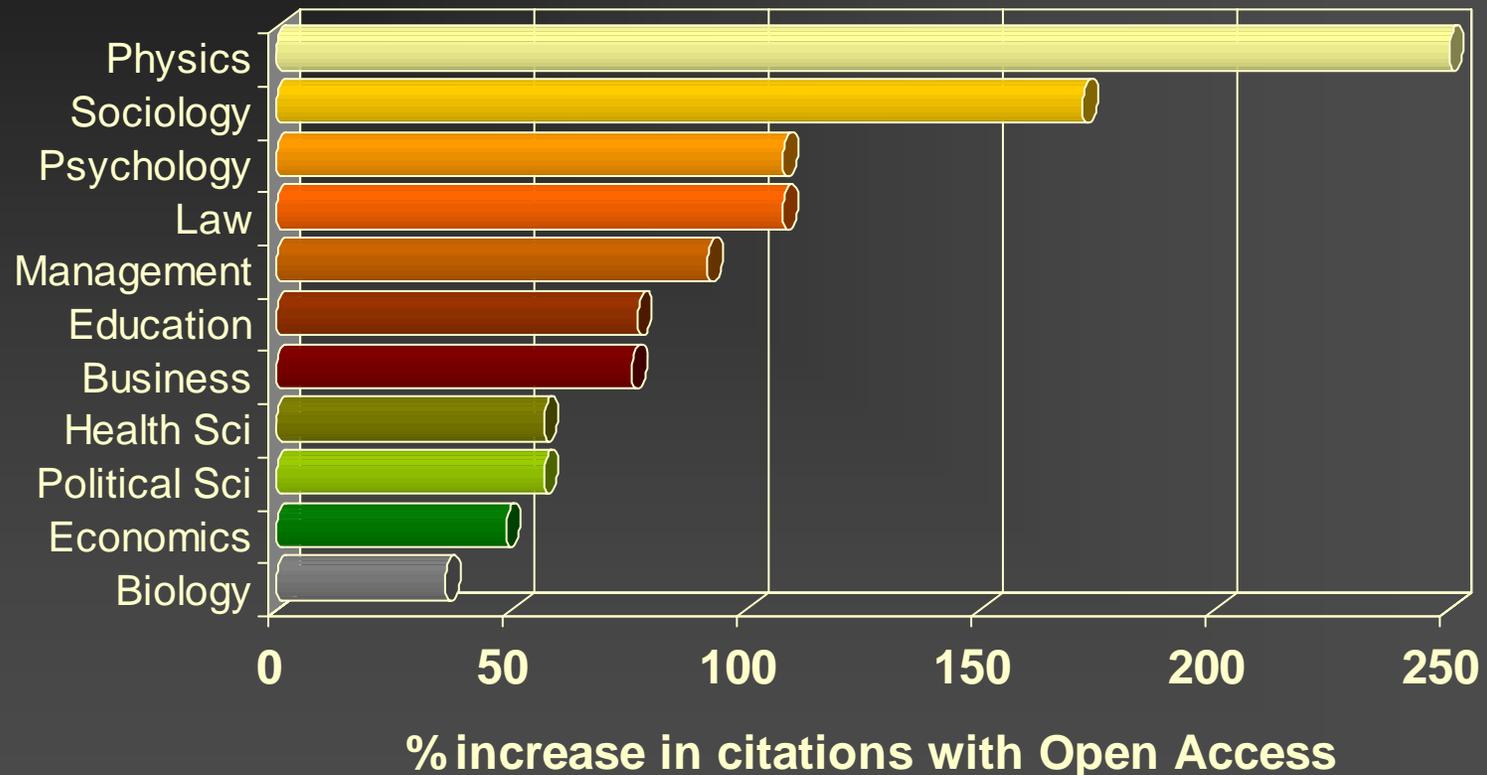
United Kingdom

# What matters?

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- Why should researchers provide OA?
- Does it matter when?
- What does it do for science?
- What will it enable us to do?
- What will it mean?

# Open Access increases citations



**Range = 50%-200%**

(Data: Stevan Harnad and co-workers)

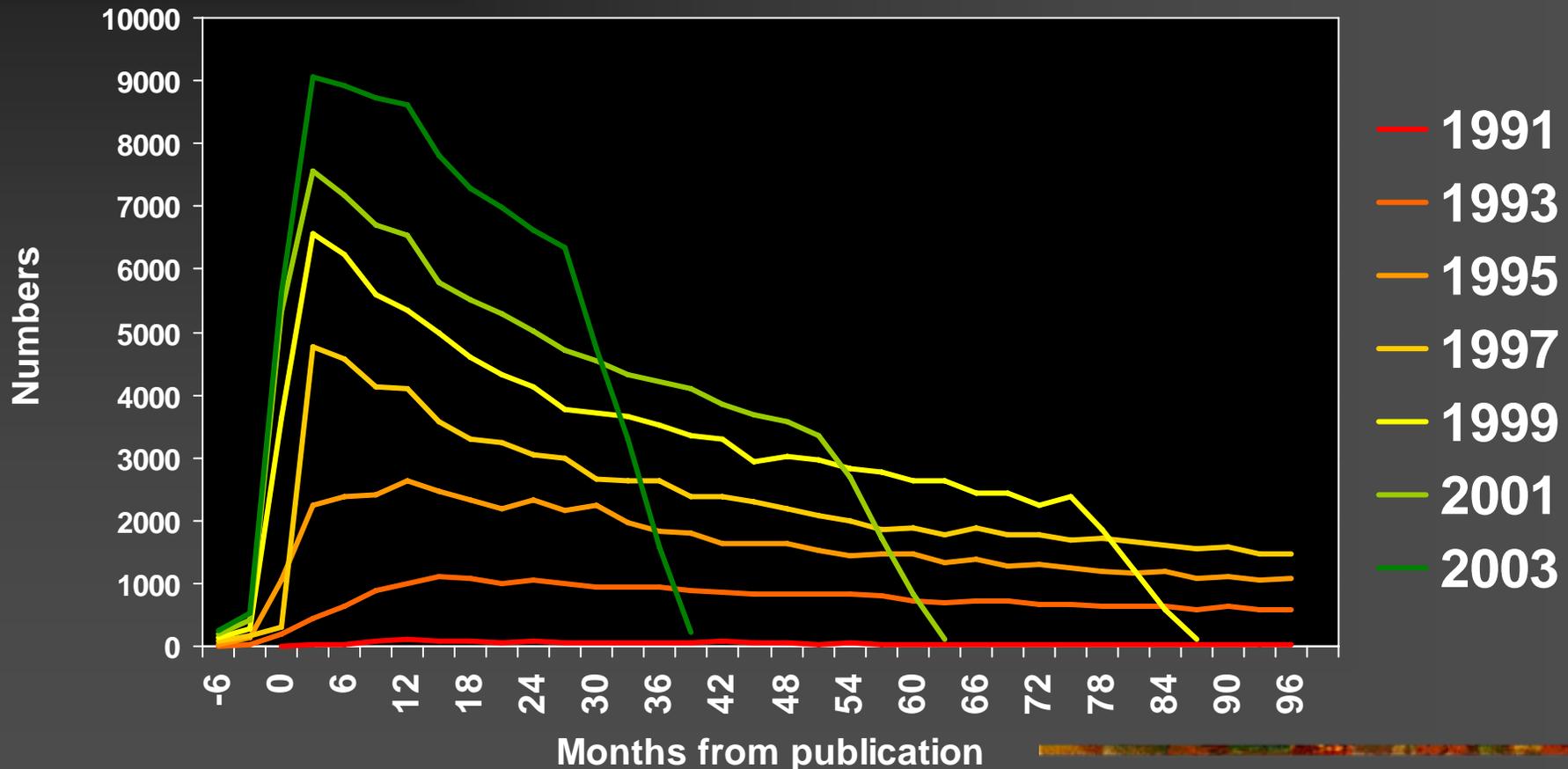
# Other developments: impact

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- Lawrence 2001 (computer science)
- Kurtz 2004 (astronomy)
- Brody & Harnad 2004 (all disciplines)
- Antelman 2005 (philosophy, politics, electrical & electronic engineering, mathematics)
- Wren 2005
- Eysenbach 2006

# Science is faster, more efficient

Time taken to be cited for articles in the arXiv database



# Track citation history

## This Article's Citation/Hits History (explain?)

> [Top](#) [#Reference List](#) [#Cited By](#) [#Co-Cited](#) [All Citations](#) [All Co-Citations](#)

Use the [Correlation Generator](#) to explore the correlation between download impact ("hits") and citation impact.

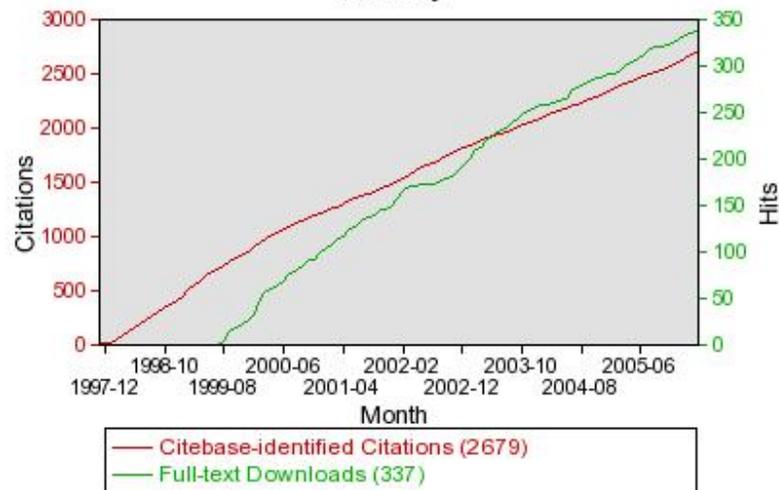
### Summary

Citebase is currently only an experimental demonstration. Users are cautioned not to use it for academic evaluation yet. Citation coverage and analysis is [incomplete](#) and hit coverage and analysis is both [incomplete](#) and [noisy](#).

#### Caution!

	Citations	Full-text Downloads
To this Article	<a href="#">2679</a>	<a href="#">337</a>
To authors (mean)	207.324	90.4604

### History



## This Record's Reference List (explain?)

> [Top](#) [#Reference List](#) [#Cited By](#) [#Co-Cited](#) [All Citations](#) [All Co-Citations](#)

[G/A](#) [1] G. 't Hooft, "A Planar Diagram Theory For Strong Interactions," Nucl. Phys. B72 (1974) 461.

[eprint](#) [2] A. M. Polyakov, "String Theory And Quark Confinement," hep-th/9711002.

[G/A](#) [3] G. Gibbons, Nucl. Phys. B207 (1982) 337

[eprint](#) R. Kallosh and A. Peet, [Phys. Rev. B](#)46 (1992) 5223, hep-th/9209116

[eprint](#) S. Ferrara, G. Gibbons, R. Kallosh, Nucl. Phys. B500 (1997) 75, hep-th/9702103.

[G/A](#) [4] G. Gibbons and P. Townsend, "Vacuum Interpolation In Supergravity Via Super pBranes," [Phys. Rev. Lett.](#) 71 (1993) 5223

# 'Atkins' Report on Cyberinfrastructure (NSF)

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'Archives containing hundreds or thousands of terabytes of data will be affordable and necessary for archiving scientific and engineering information'.

## 'Atkins' Report continued...

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'The primary access to the latest findings in a growing number of fields is through the Web, then through classic preprints and conferences, and lastly through refereed archival papers'.

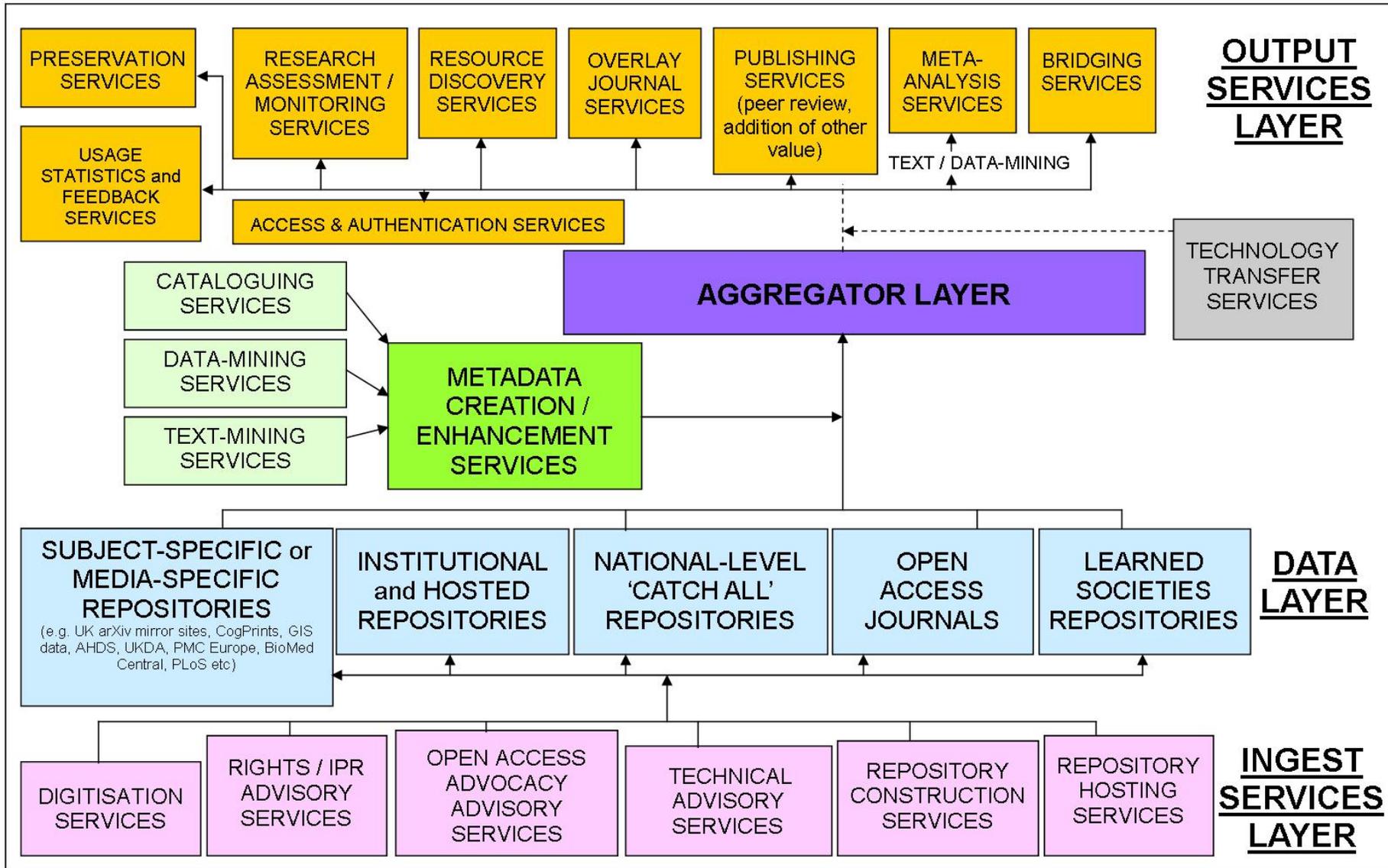
# What else can be done with OA content?

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## NeuroCommons

- Repository for articles and data
- Appropriate licences for each
- Semantic Web technology
- Community focus (akin to Signaling Gateway)
- Funded by Teramode Corp

# Services built onto repositories

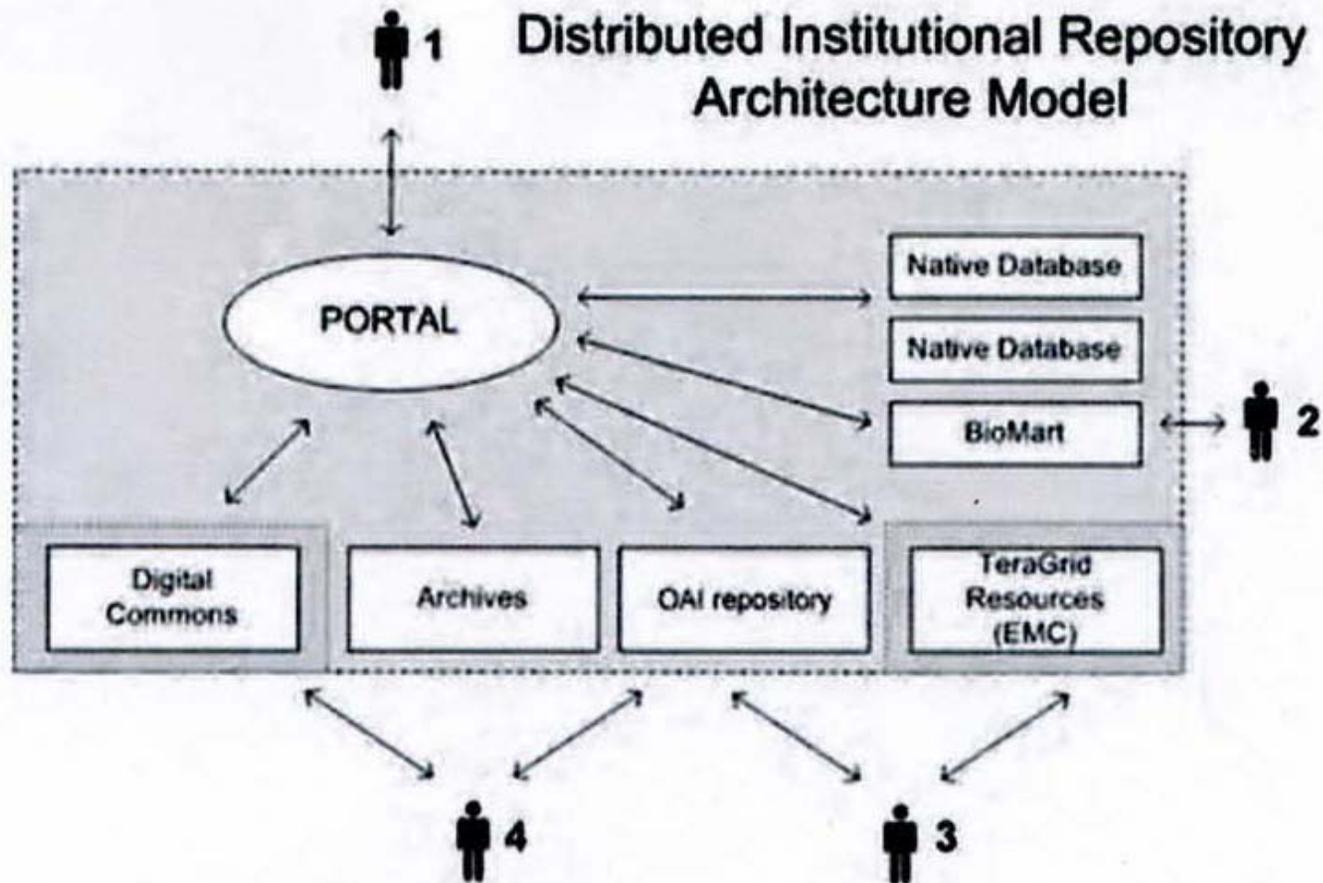


# Why Open Access

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- Greater impact from scientific endeavour
- More rapid and more efficient progress of science
- Better assessment, better monitoring, better management of science
- Novel information-creation using new and advanced technologies

# Purdue University's model



# Thank you for listening

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