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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

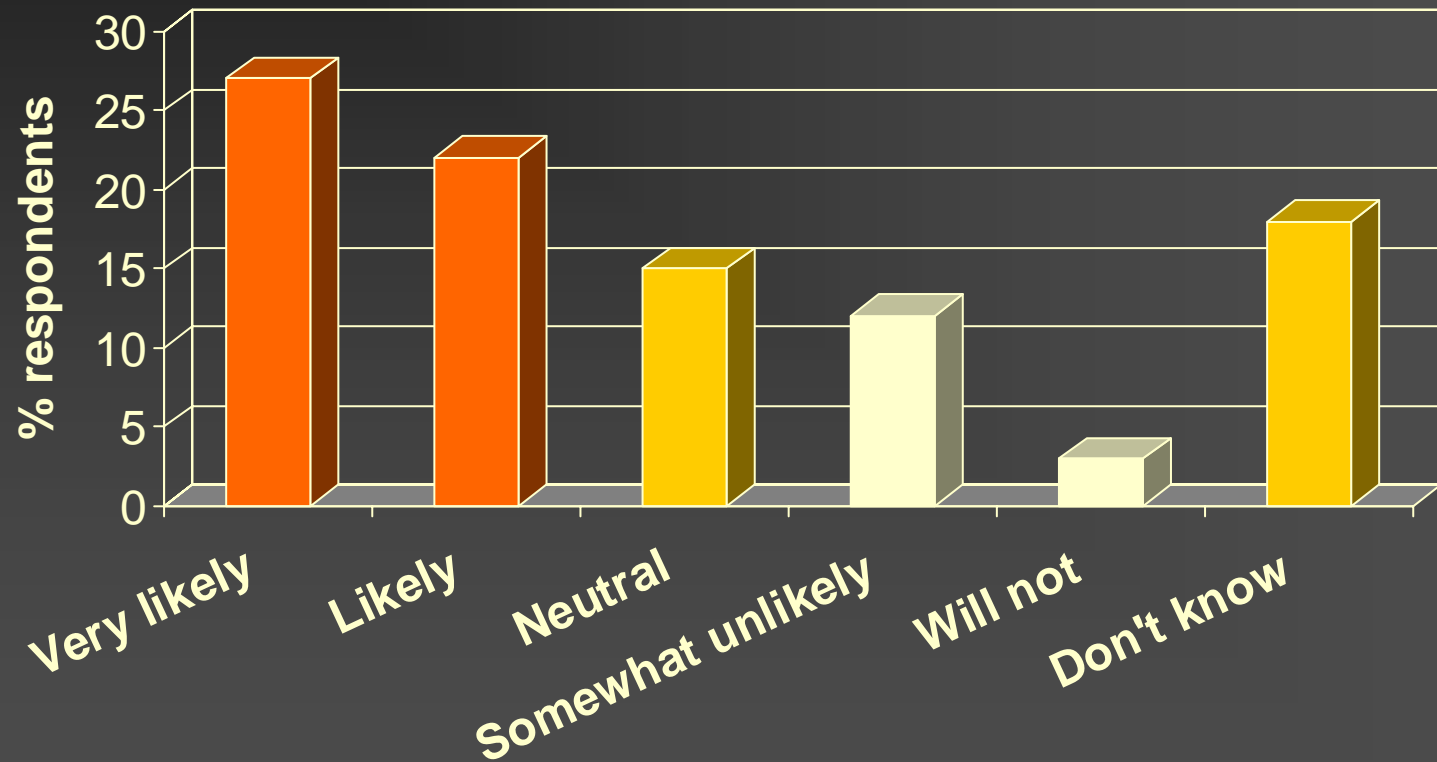


# The new 'hybrid OA' publishers

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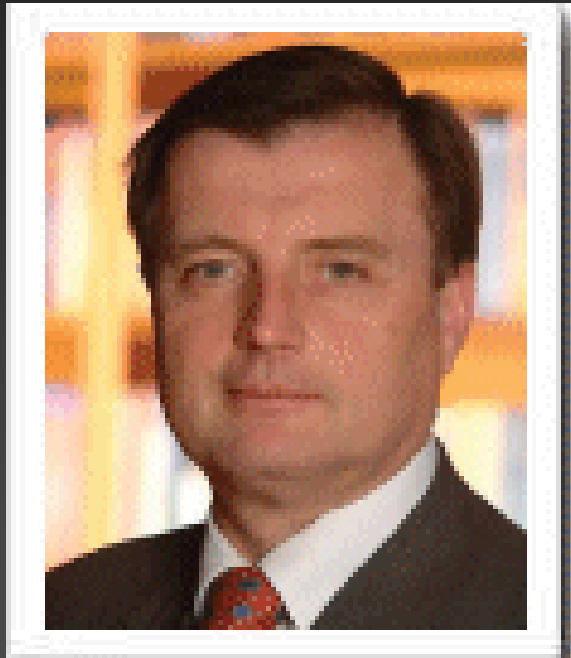
- NAS (*Proceedings NAS*)
- OUP, Springer, Blackwell and now ...
- Elsevier, and even more recently ...
- The Royal Society

# OA publishing intentions



# Derk Haank

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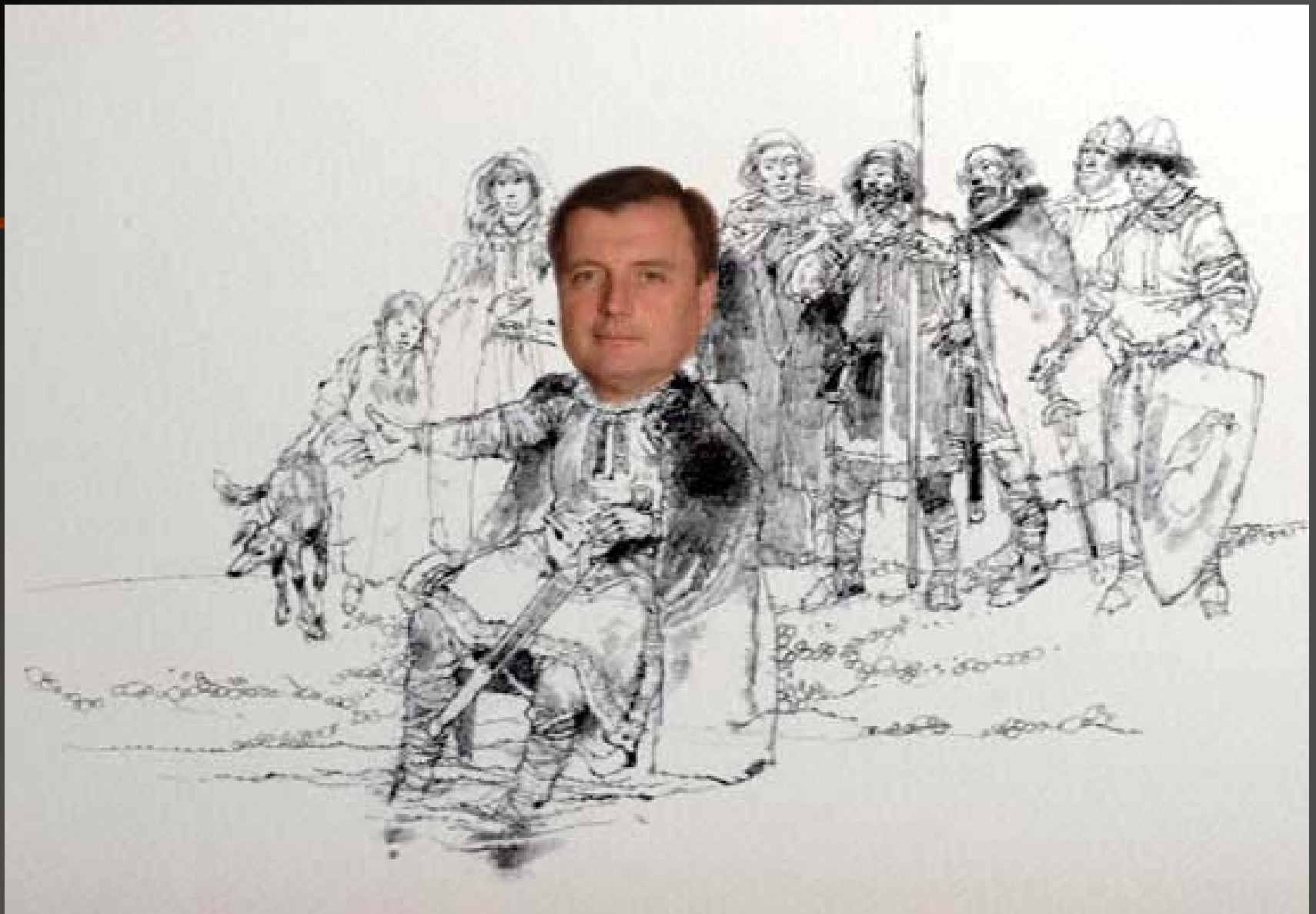


Early 2004:  
Joined Springer as  
CEO

Introduced 'Open  
Choice'







*Key Perspectives Ltd*

# 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



## Atmospheric Chemistry and Physics

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**Comment on a Paper**

### *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)  
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[www.atmos-chem-phys-discuss.net](http://www.atmos-chem-phys-discuss.net)

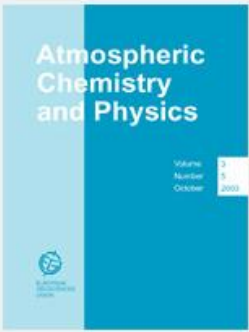
**Executive Editors:** Ulrich Pöschl, Ken S. Carslaw, Thomas Koop, Rolf Sander, William T. Sturges

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

ACPD Print: ISSN 1680-7367  
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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

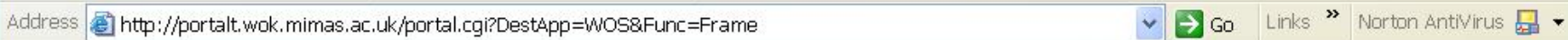
*Key Perspectives Ltd*

# 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





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## Article 9 of 45

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Explanation

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Balkwill F

NATURE REVIEWS CANCER

4 (7): 540-550 JUL 2004

Document type: Review Language: English Cited References: 101 Times Cited: 18

A complex network of chemokines and their receptors influences the development of primary tumours and metastases. New information about the biological role of chemokines in these processes is providing insights into host - tumour interactions, such as the role of the leukocyte infiltrate, and into the mechanisms that determine the metastatic potential and site-specific spread of cancer cells. Chemokine-receptor antagonists are showing promise in animal models of inflammation and autoimmune disease. Could manipulating the local chemokine network have therapeutic benefits in malignant disease?

MONOCYTE CHEMOATTRACTANT PROTEIN-1, TUMOR-ASSOCIATED MACROPHAGES, LYMPH-NODE METASTASIS, CELL LUNG-

# Finding OA content: free services

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





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



**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)

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## **News** (edit)



### **Happy Birthday**

[OpenWetWare!!](#)



### **Community Portal**

[Re-launch](#)



### **In the News**

[Cool Bio Updates!](#)



### **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]

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[IISc, Bangalore](#) [show]

[Imperial College](#) [show]

[Marshall University](#) [show]

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[Texas A&M](#) [show]

[Tufts University](#) [show]

# Open Access repositories

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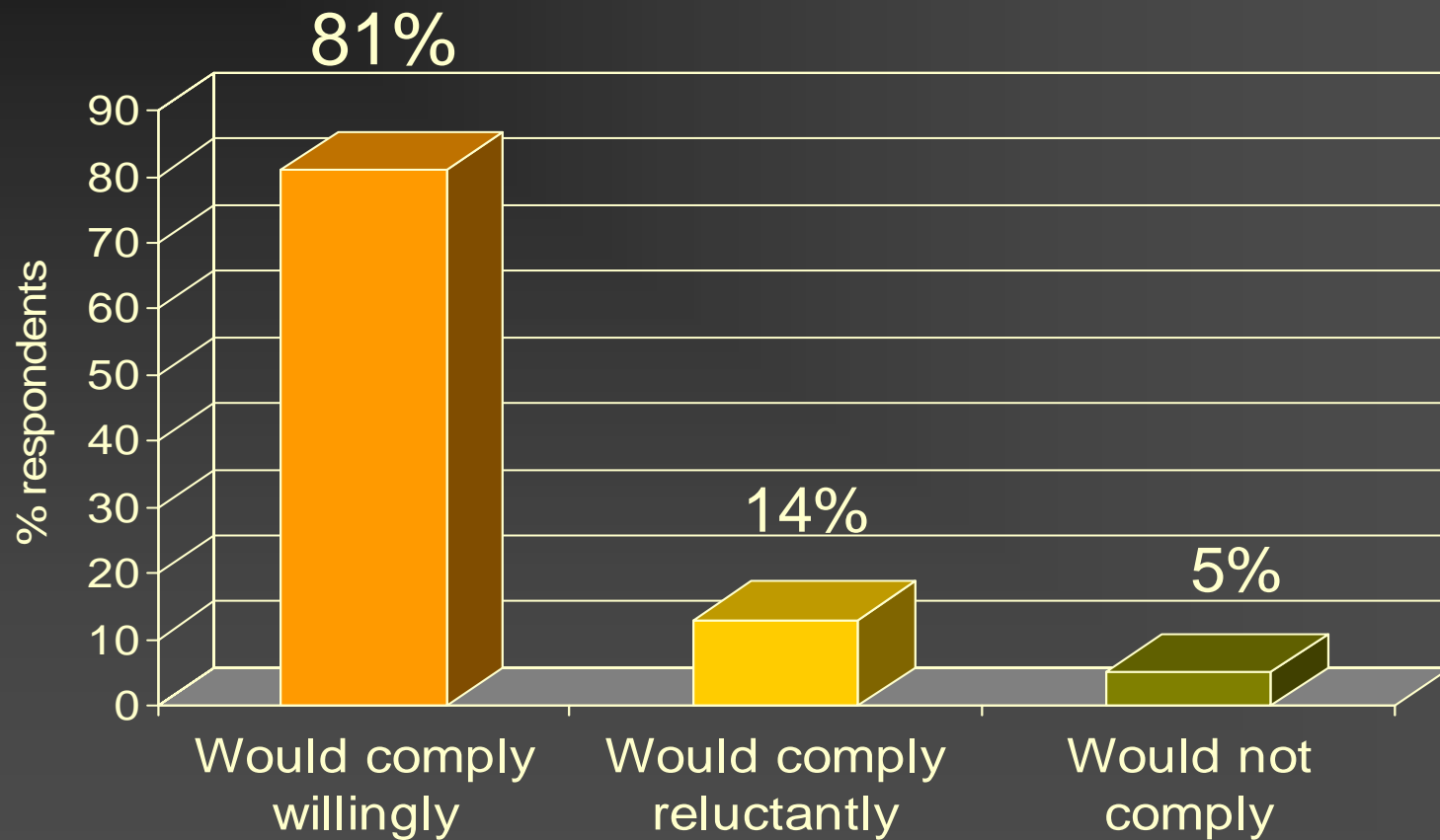
- arXiv – 15 years old: 375K records
- PMC:
  - recipient of PLoS and BMC articles
  - ... and NIH articles
- Google Base (Google-compliant, can use content unattributably, 'Academic content')
- Internet Archive, and others

# 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)

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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

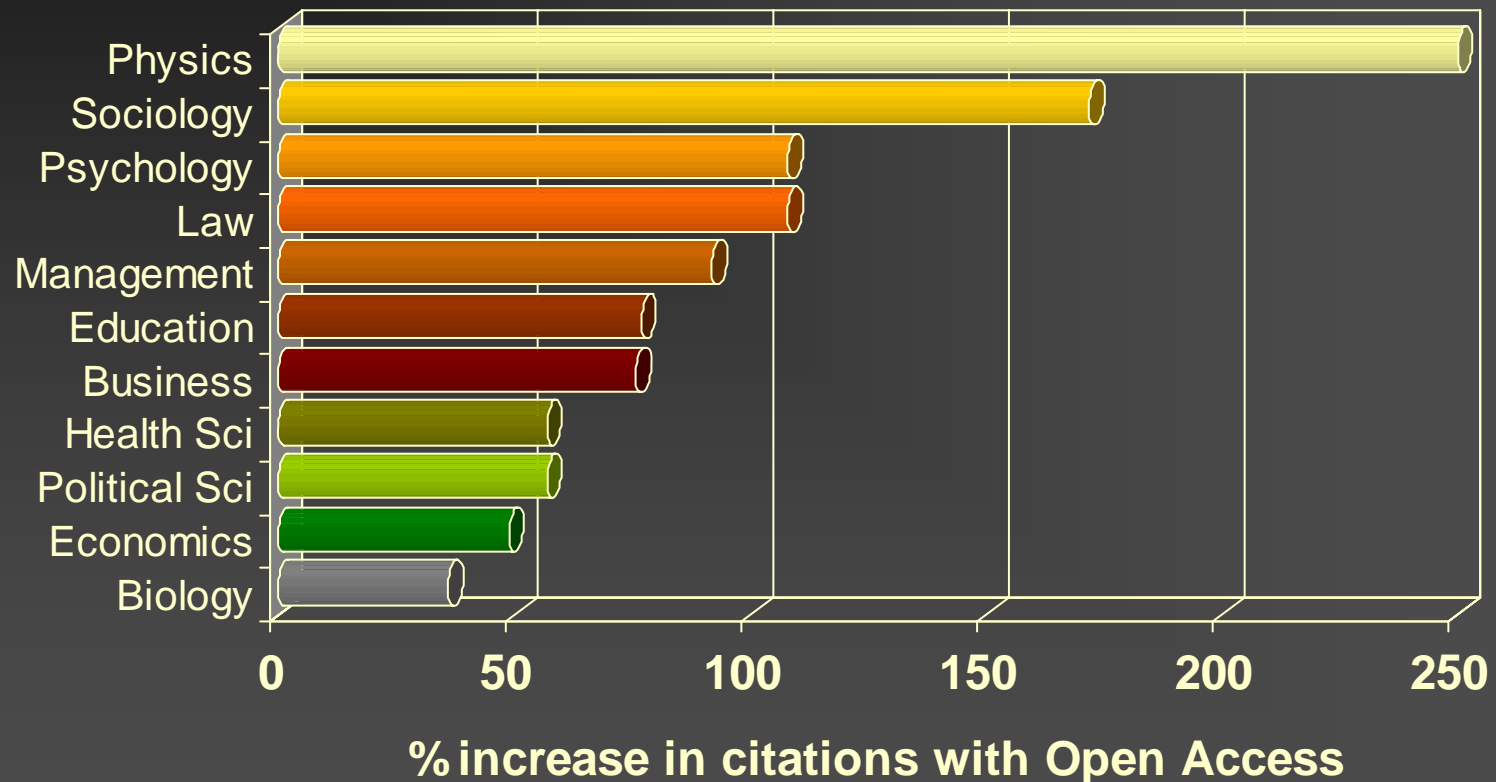
United Kingdom

# 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%**

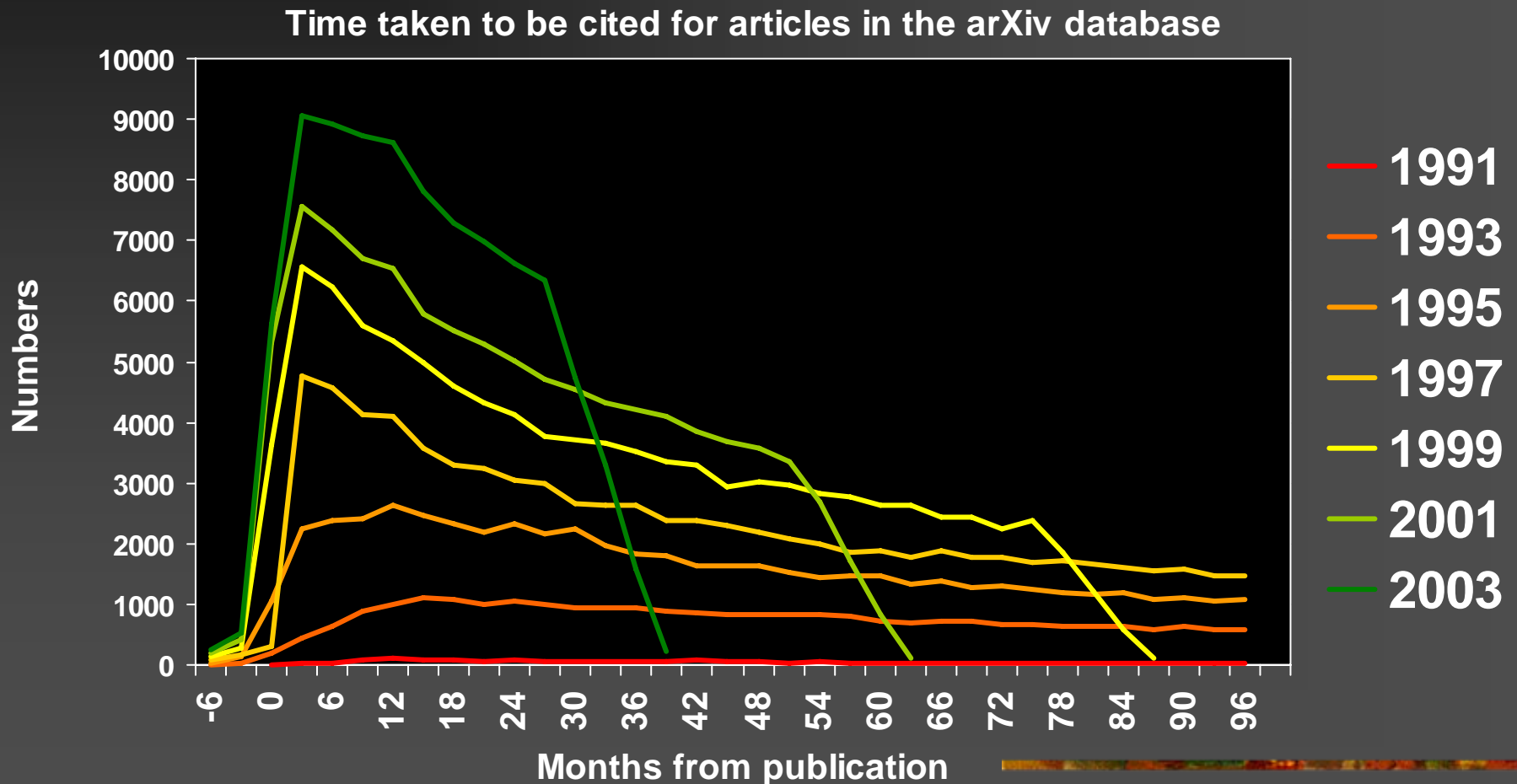
(Data: Stevan Harnad and co-workers)

# 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



# 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.

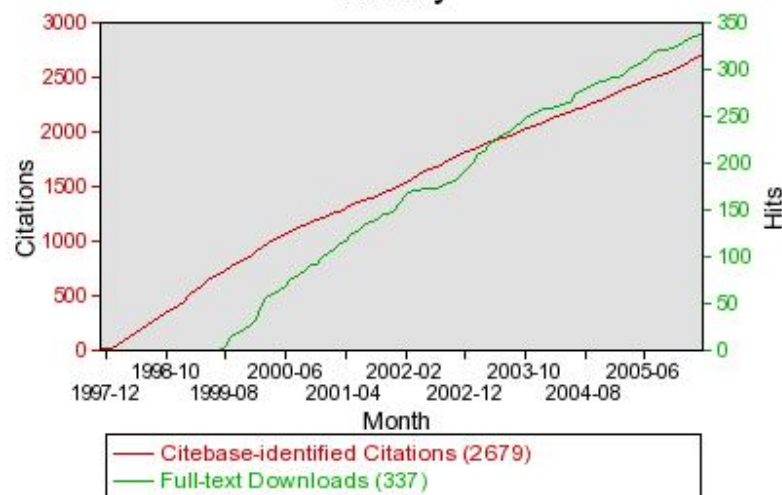
### Summary

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



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- [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’.



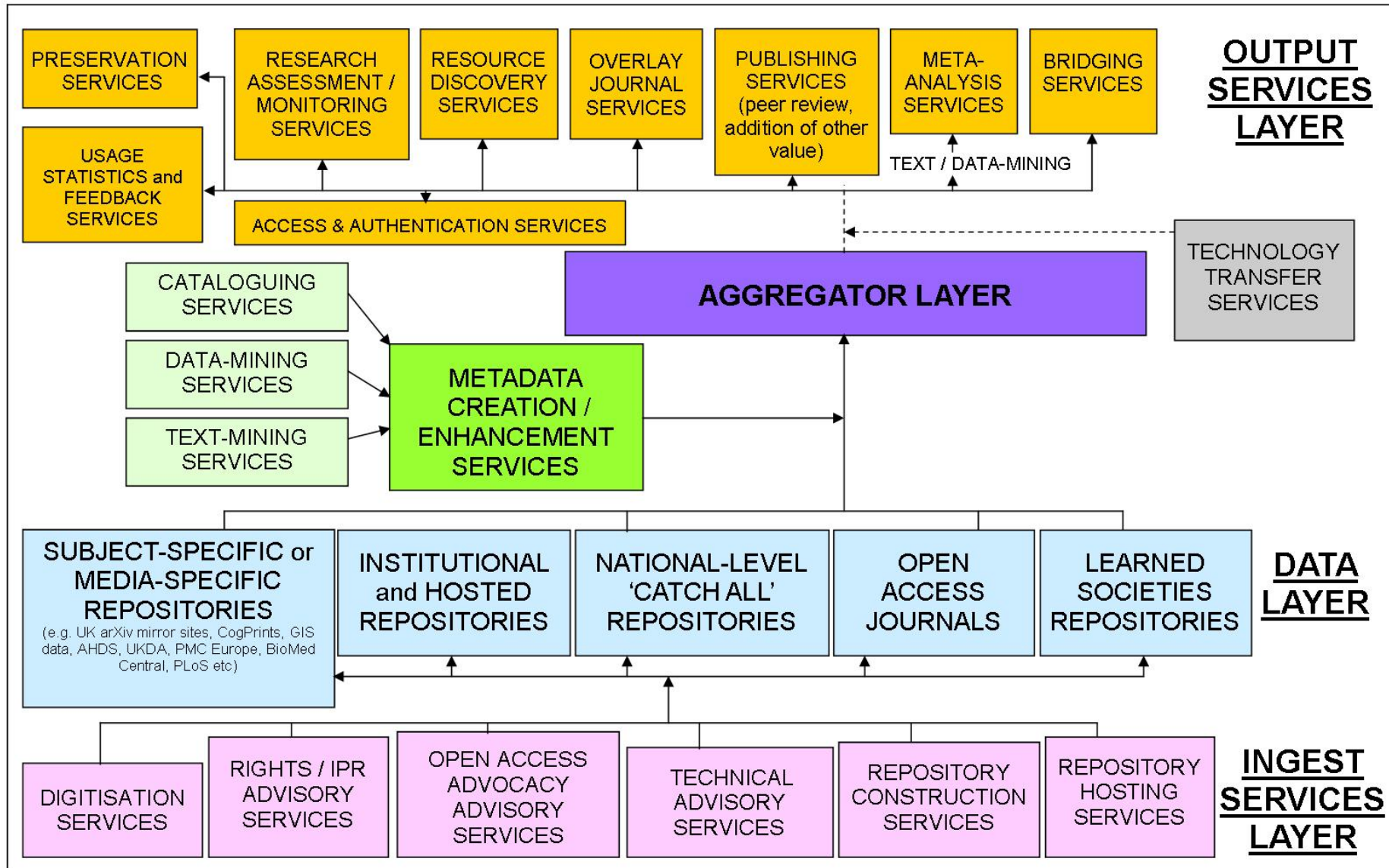
# What else can be done with OA content?

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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

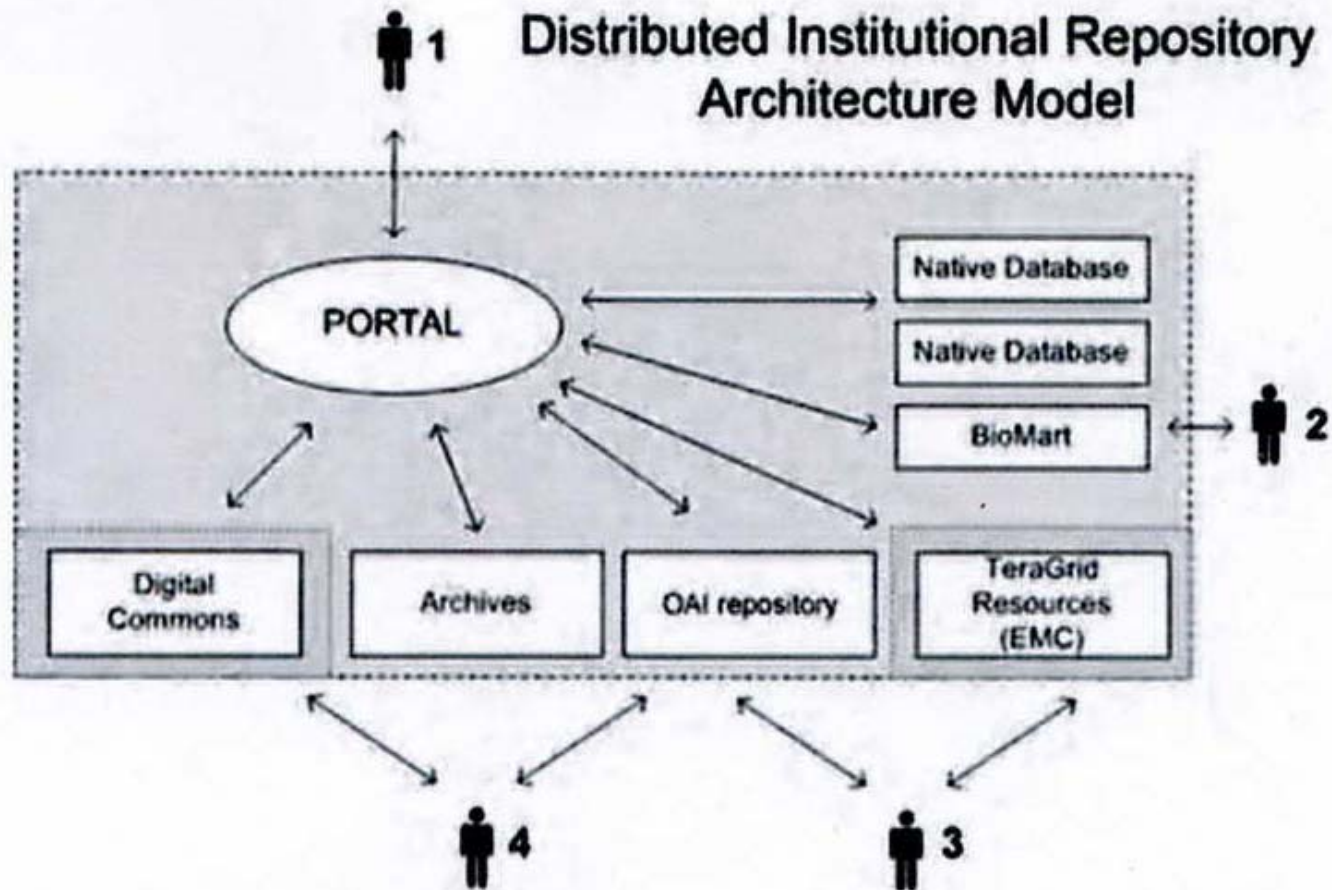


# Why Open Access

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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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[aswan@keyperspectives.co.uk](mailto:aswan@keyperspectives.co.uk)

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