



What has been going on?

Alma Swan
Key Perspectives Ltd
Truro, UK

Key Perspectives Ltd

BioMed Central

Industry gossip:
New man in the
role of Publisher



Key Perspectives Ltd

BioMed Central

- 130+ journals in publication
- 36 published their first articles since beginning of 2004
- Several others with pre-launch sites in place and accepting submissions
- 5 journals received first IF in 2005 (BMC Bioinformatics is second in category)
- 9 other BMC journals saw their IFs improve

Public Library of Science

- Already publishing PLoS Biology
- New launches in 04/05:
 - PLoS Medicine
 - PLoS Genetics
 - PLoS Computational Biology
 - PLoS Pathogens
- PLoS Clinical Trials to launch early 06

PLoS Biology

- Awarded first Impact Factor in June 05
- Impact Factor = 13.868
- Top of 'General Biology' category

DOAJ

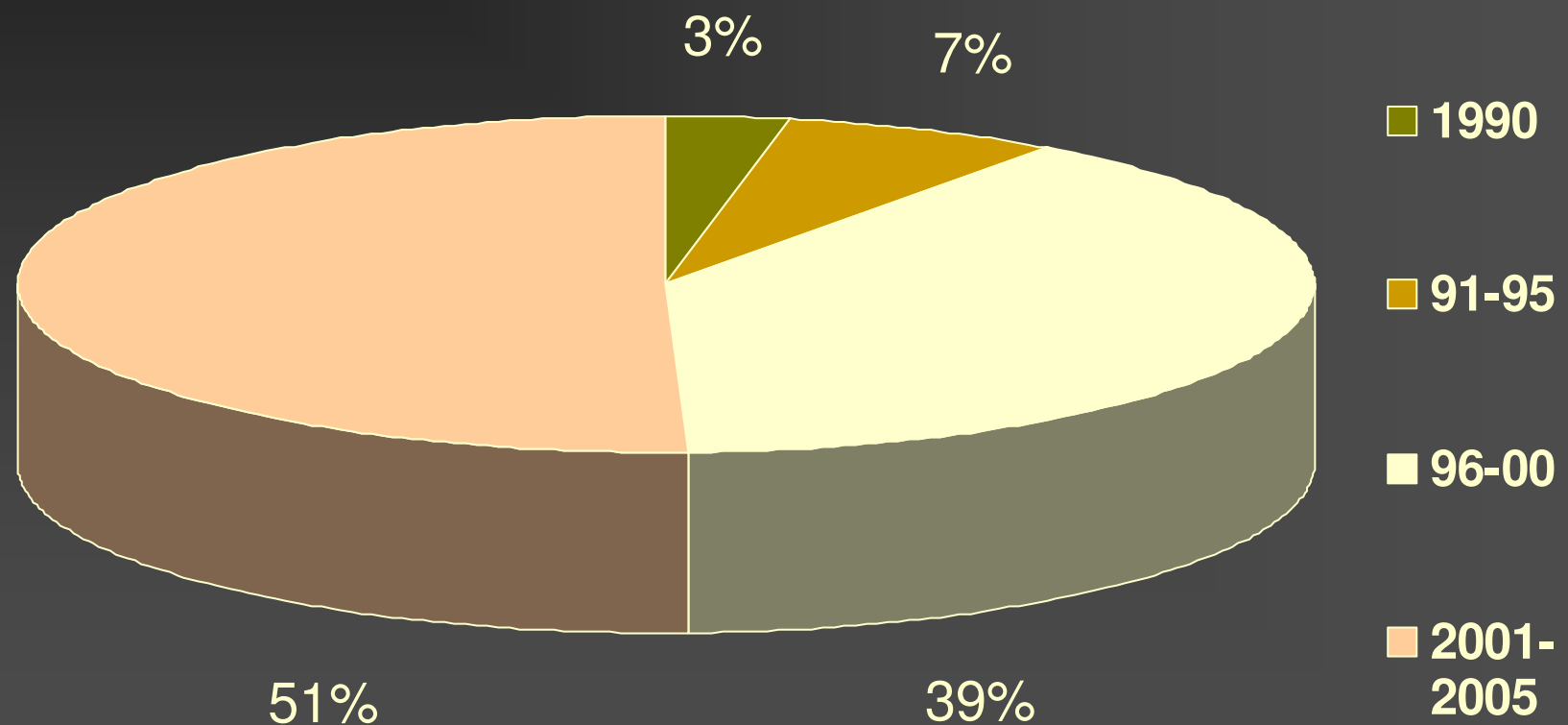
- June 2004 – added article-level searching
- 453 journals searchable at article level
- c1850 journals in total
- 80K articles



Growth of DOAJ content

■ May 2003:	300
■ November 2003:	558
■ May 2004:	1097
■ November 2004:	1345
■ June 2005:	1601
■ September 2005:	1768
■ October 2005:	1839

Journals with OA content from...

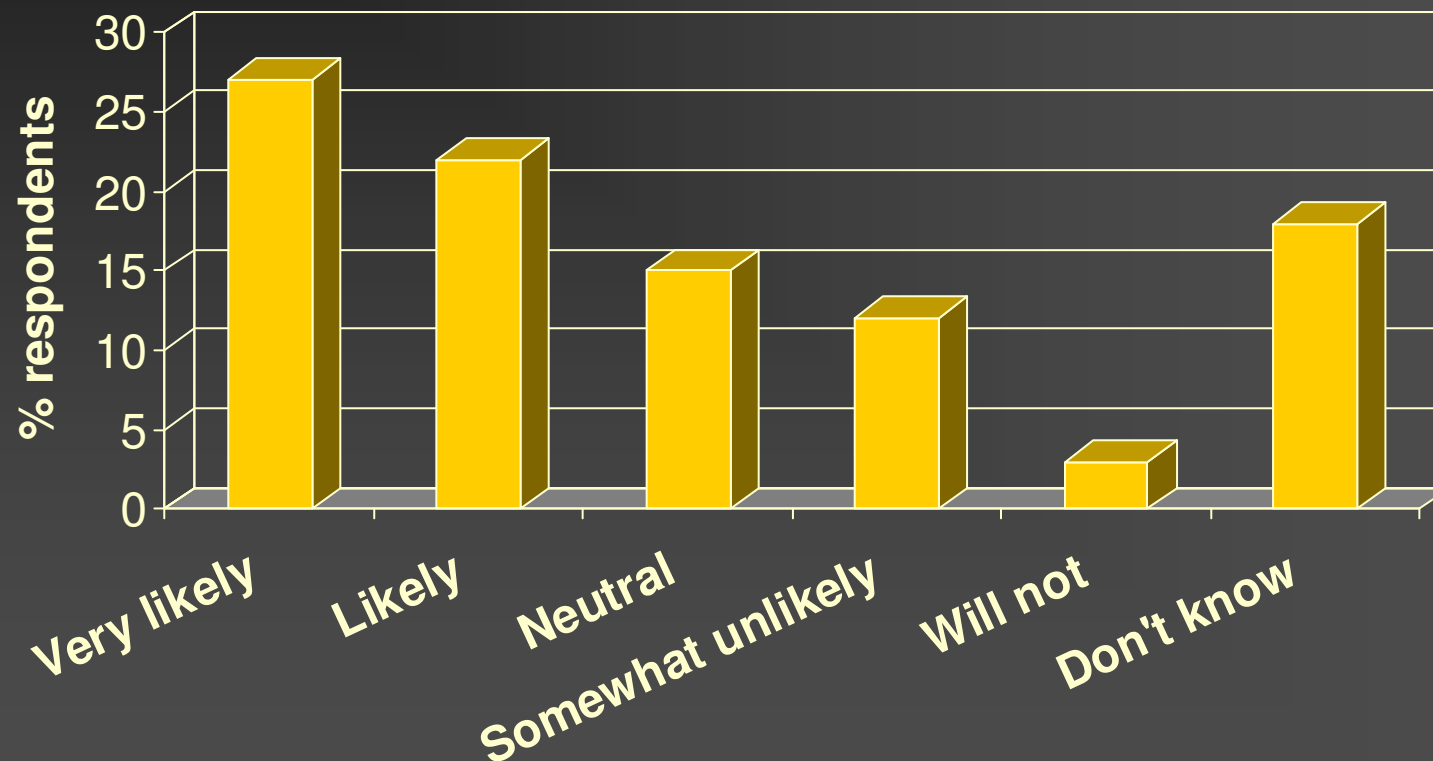


Key Perspectives Ltd

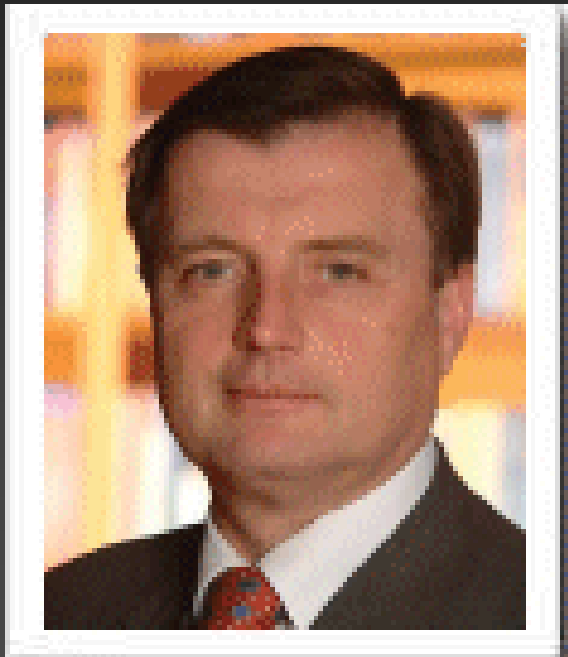
Gold-ish journals and publishers

- NAS (*PNAS*):
 - \$1000
 - 16% take-up
- OUP (*Nucleic Acids Research*):
 - Partial OA through 04, fully gold in 05
- Blackwell: 'Online Open' trial
 - \$2500 or £1250; free via Synergy

OA publishing intentions



Derk Haank



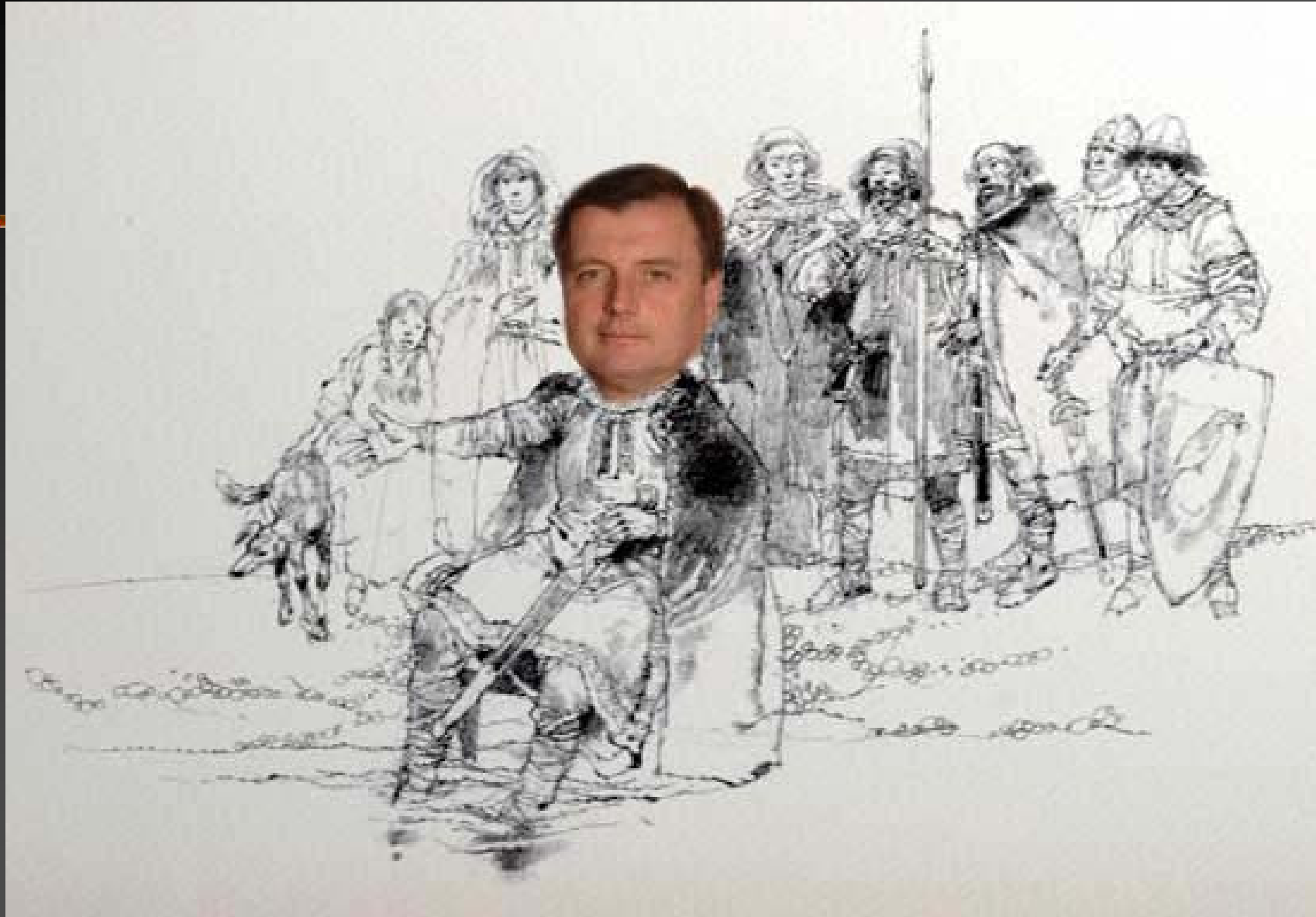
Early 2004:
Joined Springer as
CEO

Introduced 'Open
Choice'

Key Perspectives Ltd



Key Perspectives Ltd



Key Perspectives Ltd

Derk's new move

August 2005:

Appointed Jan Velterop as
Director of Open Access

Key Perspectives Ltd



‘Not-for-profit’ publishers

- American Physical Society **lowered prices**
- ASCMB made MBC open access after 2 months and subscriptions rose
- Washington DC Principles for Free Access to Science
 - - partial commitment to OA
 - - much attention to risks

The Greens

- Summer 2004: Elsevier turned green
- 90+% of journals are some shade of green
- ‘Under review’ in many cases

Why 'under review'?

- Google
- Indexing services
- National moves towards successful self-archiving policies
- Institutional moves and mandates
- Funder moves and mandates

Google

- Google Print
- Google Scholar

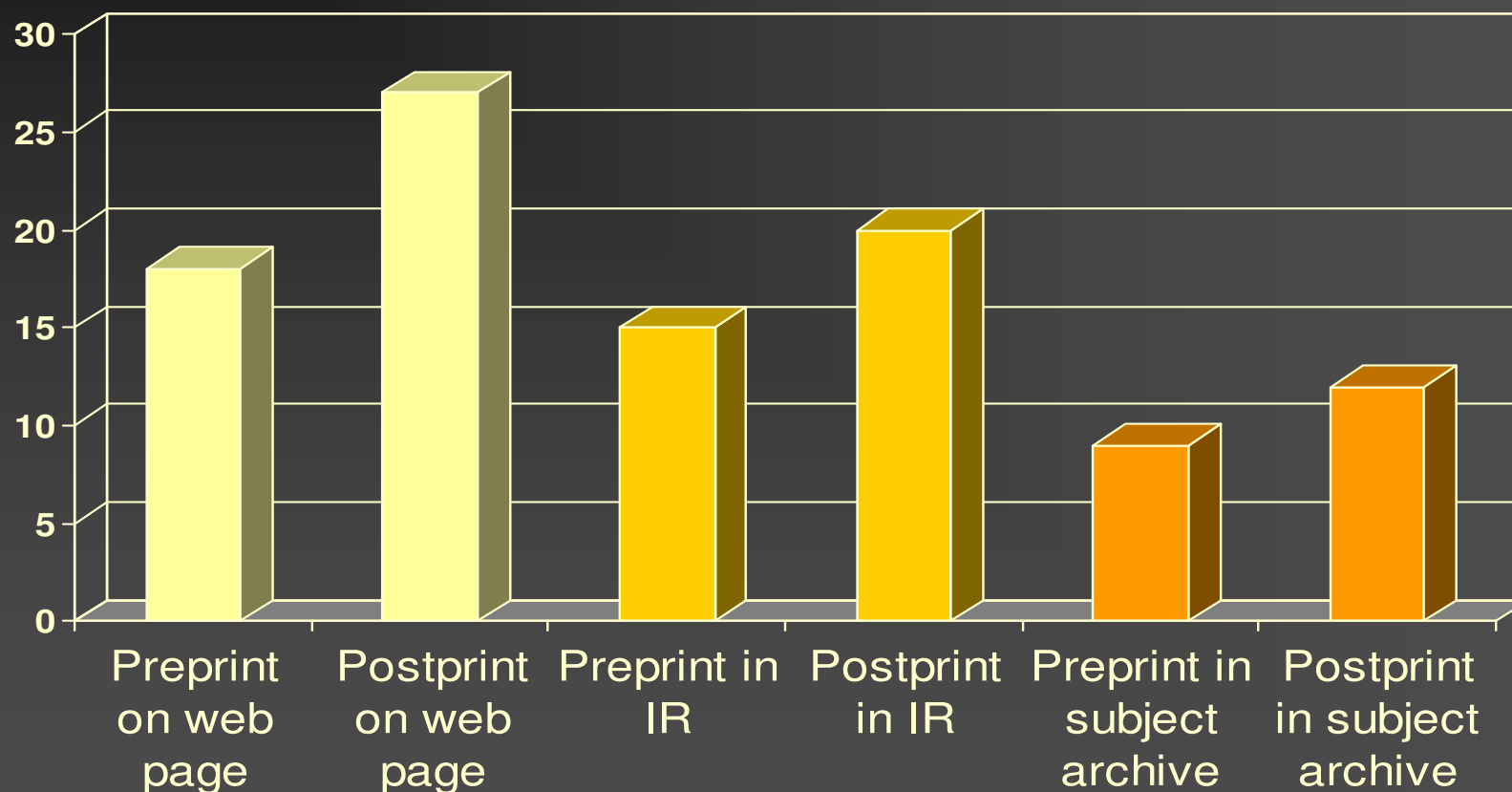
Indexing services (secondary publishers)

- 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)
 - Other collaborations on OA underway

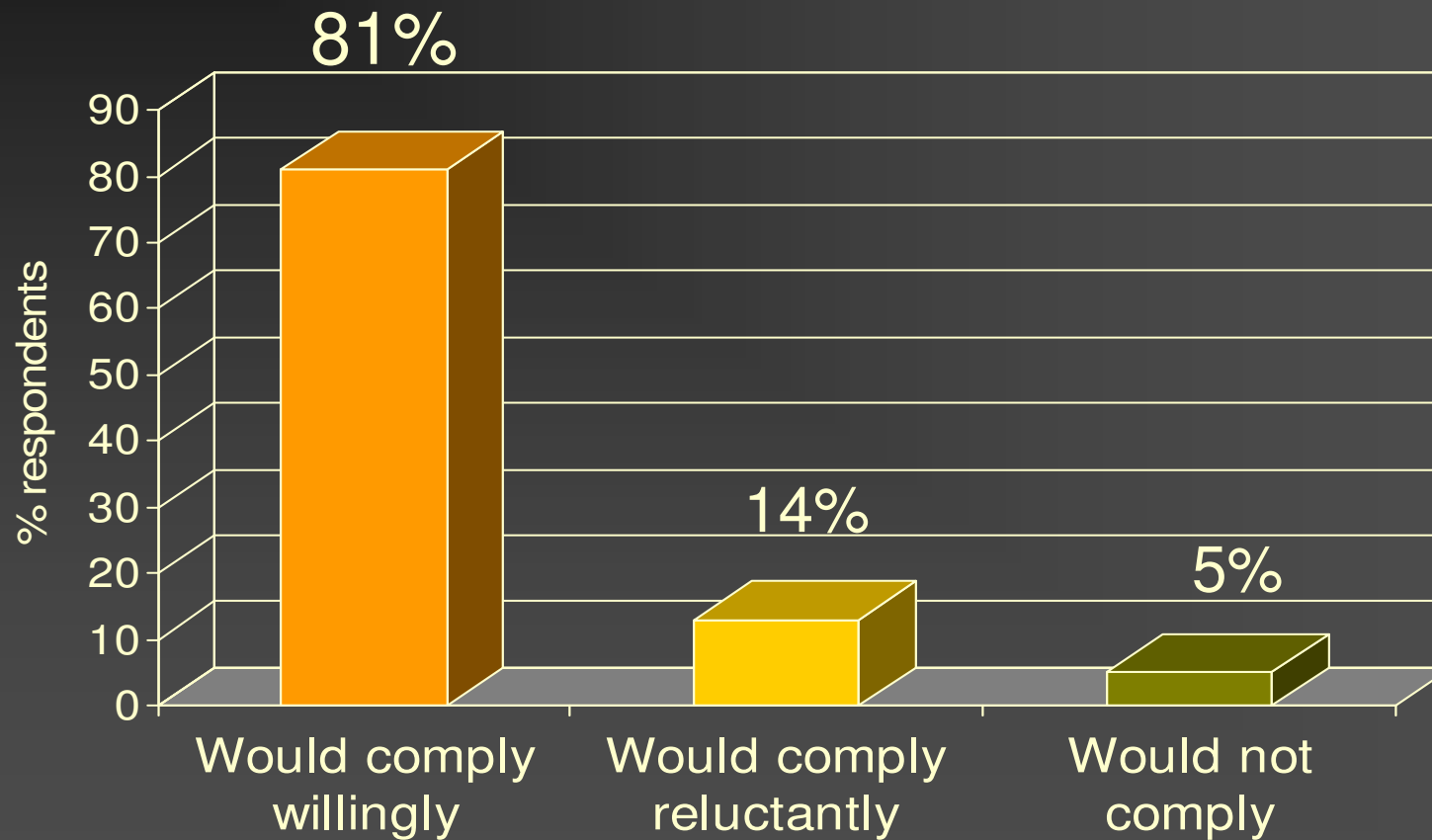
National-level initiatives

- Australia (DEST; Group of Eight; ARIIC)
- Scotland: Declaration of Open Access
- Italy: Messina Declaration signed by 32 university rectors
- Netherlands: Cream of Science launched in May 2005

Institutional-level moves and mandates:



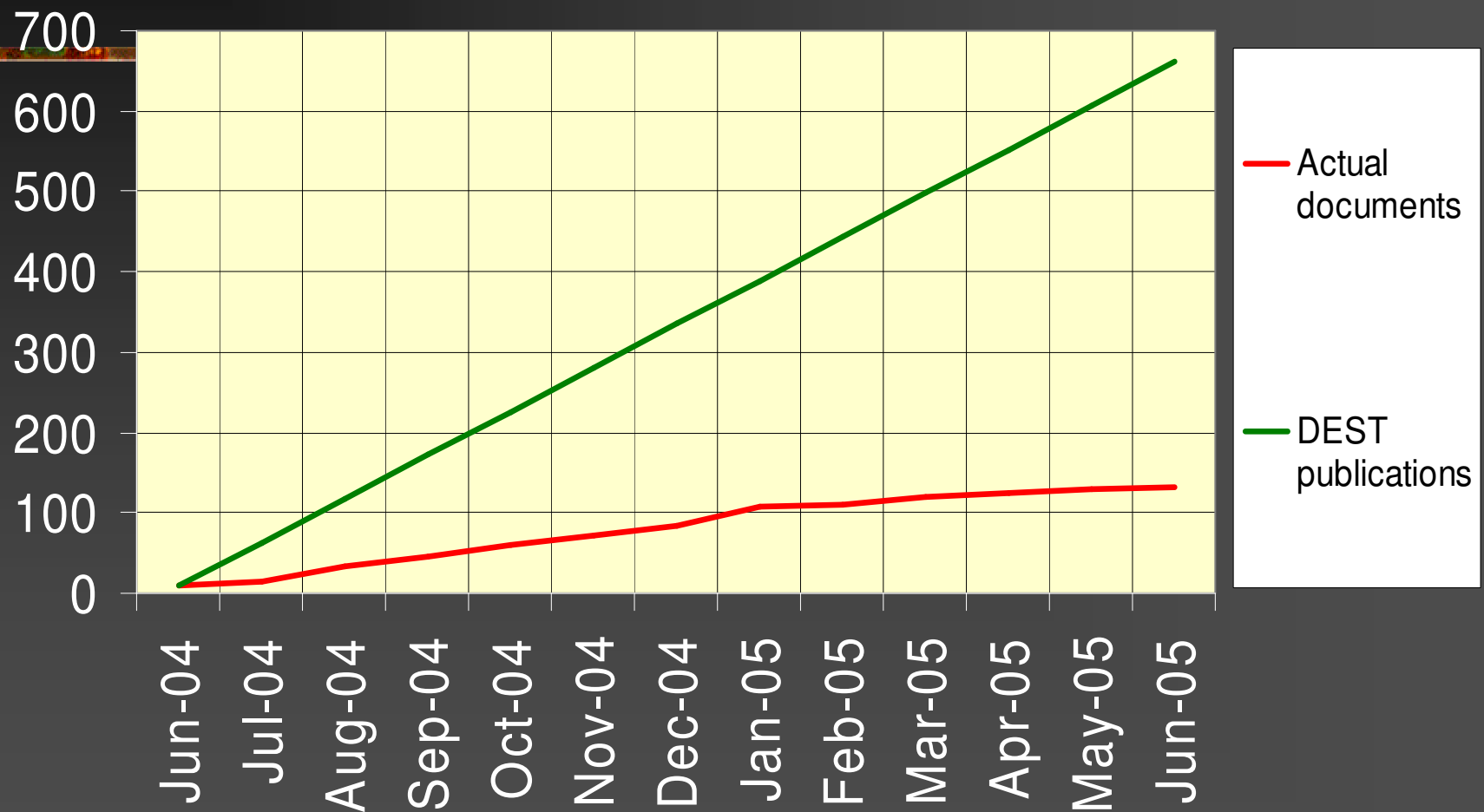
Author compliance



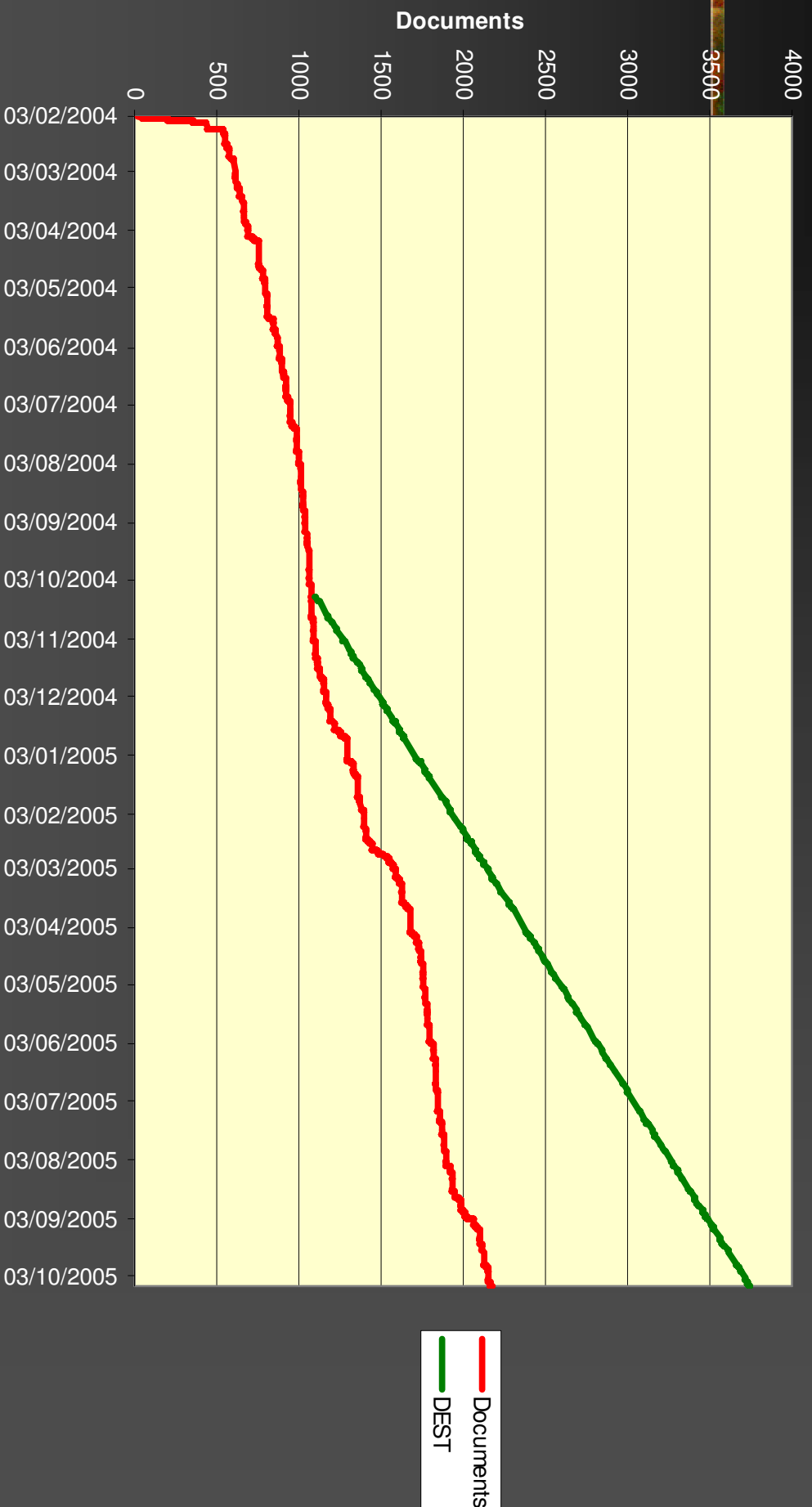
Institutional-level mandates

- 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

University of Tasmania



University of Queensland



Key Perspectives Ltd

Search Web PageRank 78 blocked AutoFill Options

A university for

[QUT home](#) [QUT Library](#) [Home](#) [About](#) [Browse](#) [Search](#) [Register](#) [User Area](#) [Help](#)

QUTePrints

Open-access archive of QUT research literature

Information & Help

- [Contacts & Support](#)
- [FAQ](#)
- [Copyright matters](#)
- [Publisher Policies](#)
- [Deposit guide](#)
- [QUT eprint policy](#)

Deposit ePrints

- [\(QUT only\)](#)
- [Register](#)
- [Deposit items](#)

Find ePrints

Browse QUT ePrints:

- [By subject](#)
- [By year](#)
- [By person](#)

Quick Search

Go

(Title, Abstract, Keywords)

Advanced search

Access Statistics:

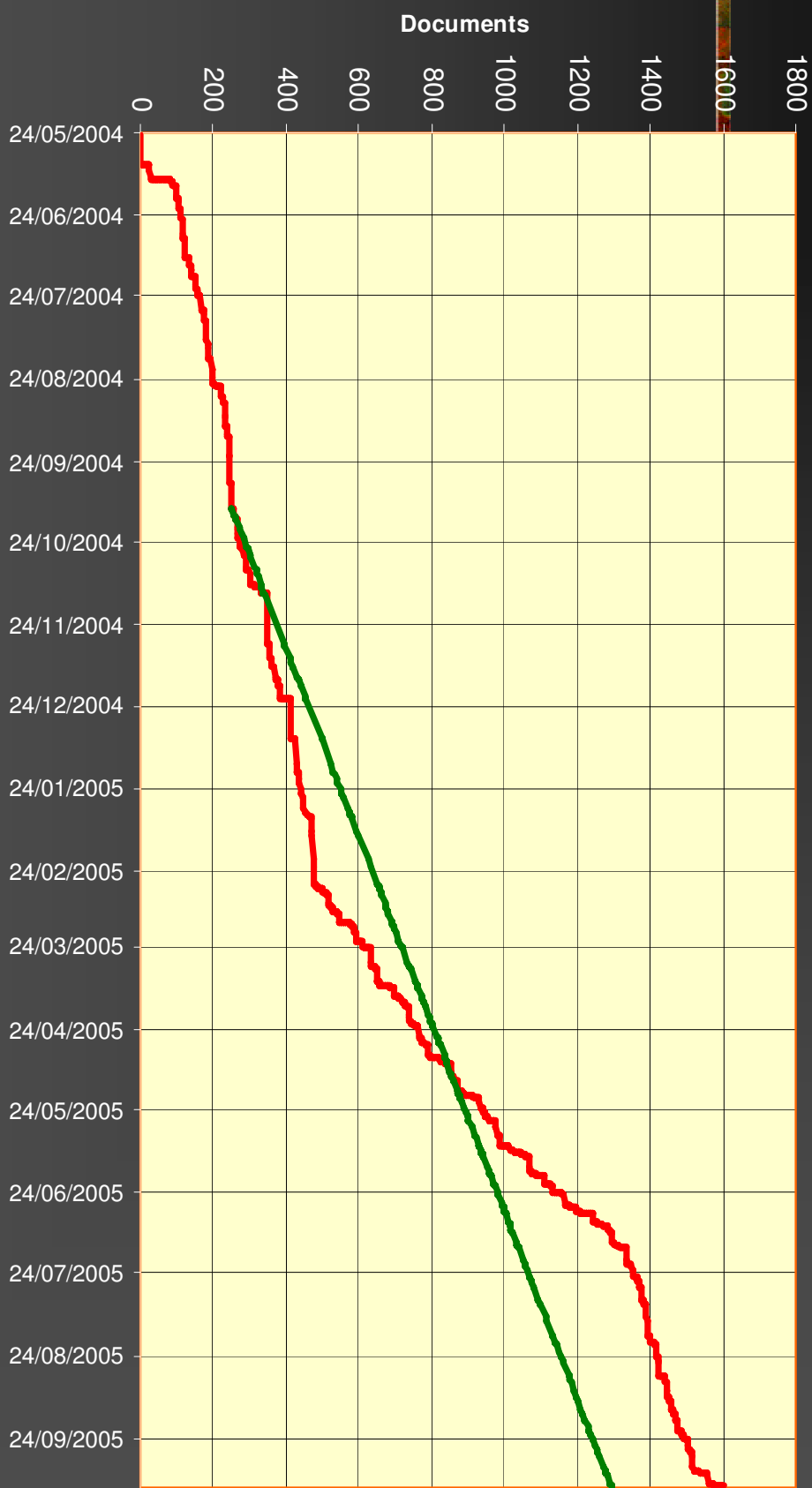
- [By Author](#)
- [Top 50 authors](#)
- [Top 50 papers](#)

Other eprint archives

[Search across multiple eprint archives](#)

Key Perspectives Ltd

Queensland University of Technology



Key Perspectives Ltd

Government-level moves: USA

- USA: NIH policy ('Public Access')
- Request not a requirement
- 12-month grace period
- c300 mss submitted in August
- 6500 articles published from NIH itself in the last year

Government-level moves: UK

- House of Commons Select Committee on Science and Technology
- Government backed away from endorsing a mandate on self-archiving of taxpayer-funded research

Funder initiatives

Wellcome Trust:

- Issued a **Position Statement** on Open and Unrestricted Access to Published Research
- Amended its **Grant Conditions** accordingly
- Effective 1 October 2005



Key Perspectives Ltd

Funder initiatives (continued...)

- Wellcome Trust

- World's largest private funder of biomedical (and allied) research
- Spends c£400 million per annum
- Will support, financially, fundee publishing in OA journals (2% of overall expenditure)
- Mandates self-archiving of Wellcome-funded research (in PubMedCentral, within 6 months)

- RCUK (Research Councils UK)

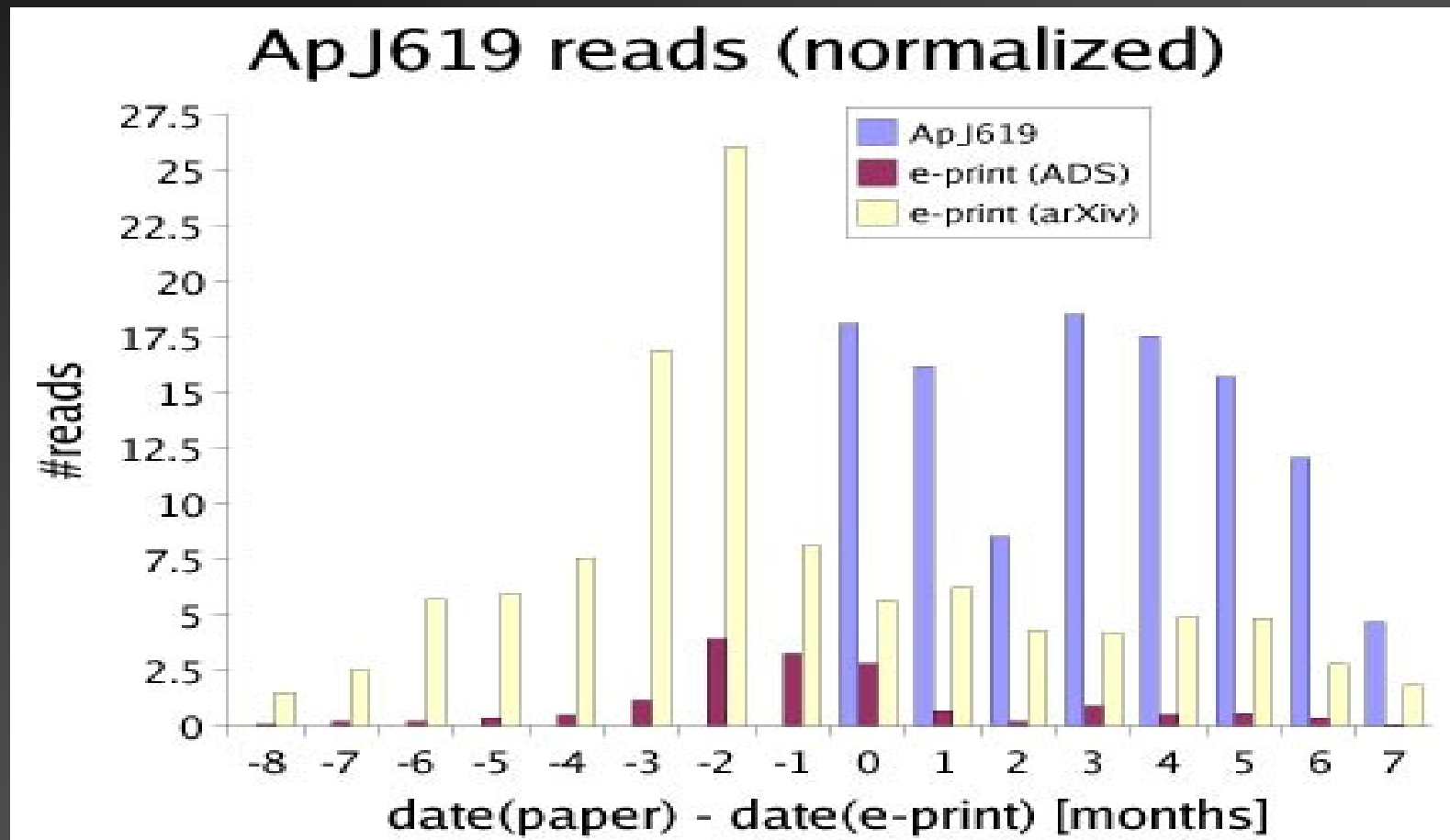
‘Under review’

- More OA content
- More OA content in repositories
- Google *et al* providing simple search-and-retrieve tools
- Critical mass from journals

Physics (again)

- 100% content available in some fields
- No loss of subscriptions
- Downloads are reduced
- Michael Kurtz and Edwin Henneken (D-Lib magazine)

Astronomy (*Astrophysical Journal*)



Going grey?

- Nature announced a 6-month embargo in early 2005
- Nature Physics launched in October under the 6-month embargo....

Other developments: rights

Science Commons launched in 2005

‘Our goal is ... the creation of a larger "Science Commons" built from private agreements, and technical standardization; the same "some rights reserved" approach adopted by Creative Commons, our parent organization.’



Key Perspectives Ltd

Other developments: repositories

- 400+
- Registry of Archives (eprints.org)
- Directory of Open Access Repositories [DOAR] (www.openDOAR.org)
- JISC – £4m repository-related funding programme call early 2005
- JISC – Newly-announced £80m programme for educational support, including repositories

Repository software

- EPrints and DSpace have announced a series of upgrades and enhancements

UKUUG Award (UK Unix and Open Systems User Group)



Key Perspectives Ltd

Repository software

- EPrints and DSpace have announced a series of upgrades and enhancements
- UKUUG (UK Unix and Open Systems User Group) Award 2005 went to Chris Gutteridge, developer at EPrints
- Biomed Central announced 'Open Repository' build-and-host service
- EPrints announced 'EPrints Services' consultancy service

Other developments: impact

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

Impact measures

- ISI times cited
- Measures of correlation of downloads and citations
- New measures of impact



Other developments: science

- Data
- E-science
- Interdisciplinary research

National Institutes of Health

‘Data should be made as widely and freely available as possible while safeguarding the privacy of participants, and protecting confidential and proprietary data’

NIH Cancer Biomedical Informatics Grid (caBIG) Project

- ‘Software, data, standards, infrastructure directly supported by caBIG resources must be open source and open access (i.e. licensed to the government with the government having no restrictions with regard to redistribution).’

NASA

- ‘NASA is committed to full and open sharing of ESE data from its funded and owned systems’
 - No embargo period
 - Access for the scientific community and the general public
- ‘NASA is committed to non-discriminatory access to data’

Global Change Research Program

Bromley Principles:

‘Full and open sharing of the full suite of global data sets for all global change researchers is a fundamental objective.’

UK funding bodies

- Research Councils
- Joint Data Standards Study
- Wellcome Trust

OECD (Declaration on Access to Research Data from Public Funding)

The governments of 34 nations recognise:

- Optimum international exchange of data, information and knowledge contributes decisively to the advancement of scientific research and innovation
- Open access to, and unrestricted use of, data promotes scientific progress and facilitates the training of researchers
- Open access will maximise the value derived from public investments in data collection efforts
- Substantial benefits that science, the economy and society at large could be gained from the opportunities that expanded use of digital data resources
- The risk that undue restrictions on access to and use of research data from public funding could diminish the quality and efficiency of scientific research and innovation

Nature

‘A condition of publication in *Nature* is that authors are required to make materials, data and associated protocols available to readers on request’

ICMJE (Intl Cttee Medical Jrnl Editors)

- Open access registry of drug trials data
- Electronically searchable; public access
- The 11 journals involved will not publish the results of clinical trials unless research teams have pre-registered the trial and deposited the data

e-Science

‘e-Science is about global collaboration in key areas of science, and the next generation of infrastructure that will enable it.’

John Taylor

Director General of Research Councils
Office of Science and Technology

Key Perspectives Ltd

And...

‘The large scale science that will increasingly be carried out through distributed global collaborations enabled by the Internet.’

RCUK's e-Science Programme

‘Atkins’ Report on Cyberinfrastructure (NSF)

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

‘Atkins’ Report continued...

‘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’.

Interdisciplinary research: NSF

Program	\$millions FY2005
Total funding	3844
Mathematical & physical sciences	1115
Computer Science & Engineering	618
Engineering	576
Multidisciplinary research	31

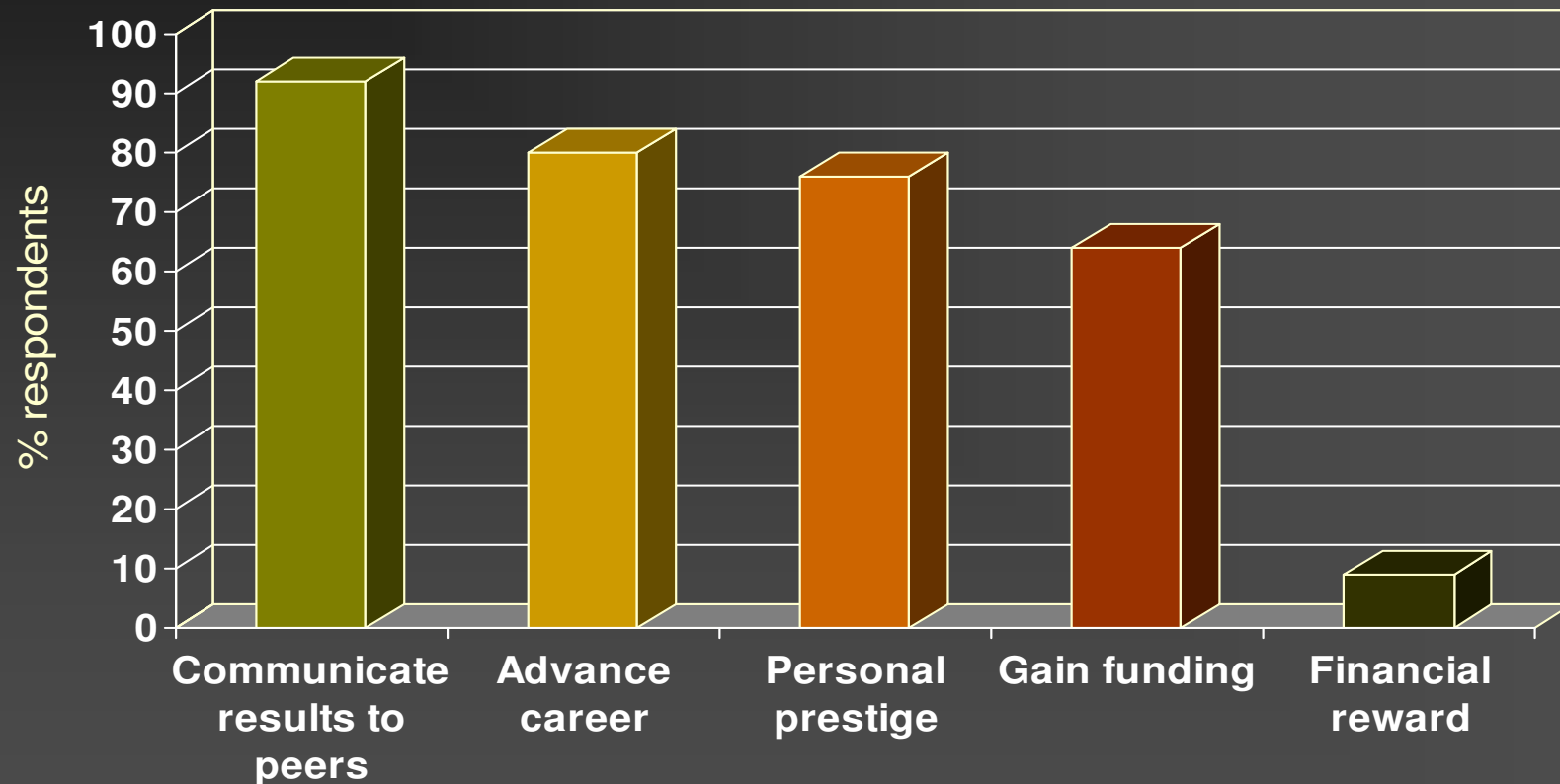
EPSRC (UK)

Programme	£millions
Engineering	234
Materials science	177
Physics	128
Mathematics	54
Life sciences interface	31

Some interdisciplinary fields

- Biomimetics
- Systems biology
- Environmental science
- Chemical biology
- Genomics
- Healthcare technologies
- Green chemistry

Why researchers publish their work



Thank you for listening

aswan@keyperspectives.co.uk

Key Perspectives Ltd