



Open Access: What has been going on ?

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CERN's contribution to OA

- TBL
- “Vague but exciting”
(Mike Sendall, March 1989)
- Repository since 1954
- Archiving electronically since 1994
- 70% research reports available

CERN

- Self-archiving policy since November 2003
- Signed the Berlin Declaration in May 2004
- Confirmed its commitment with a policy document ‘Continuing CERN Action on OA’ in March 2005 which opened the door to explore new publishing models, including author-side payment models

Author-side payment

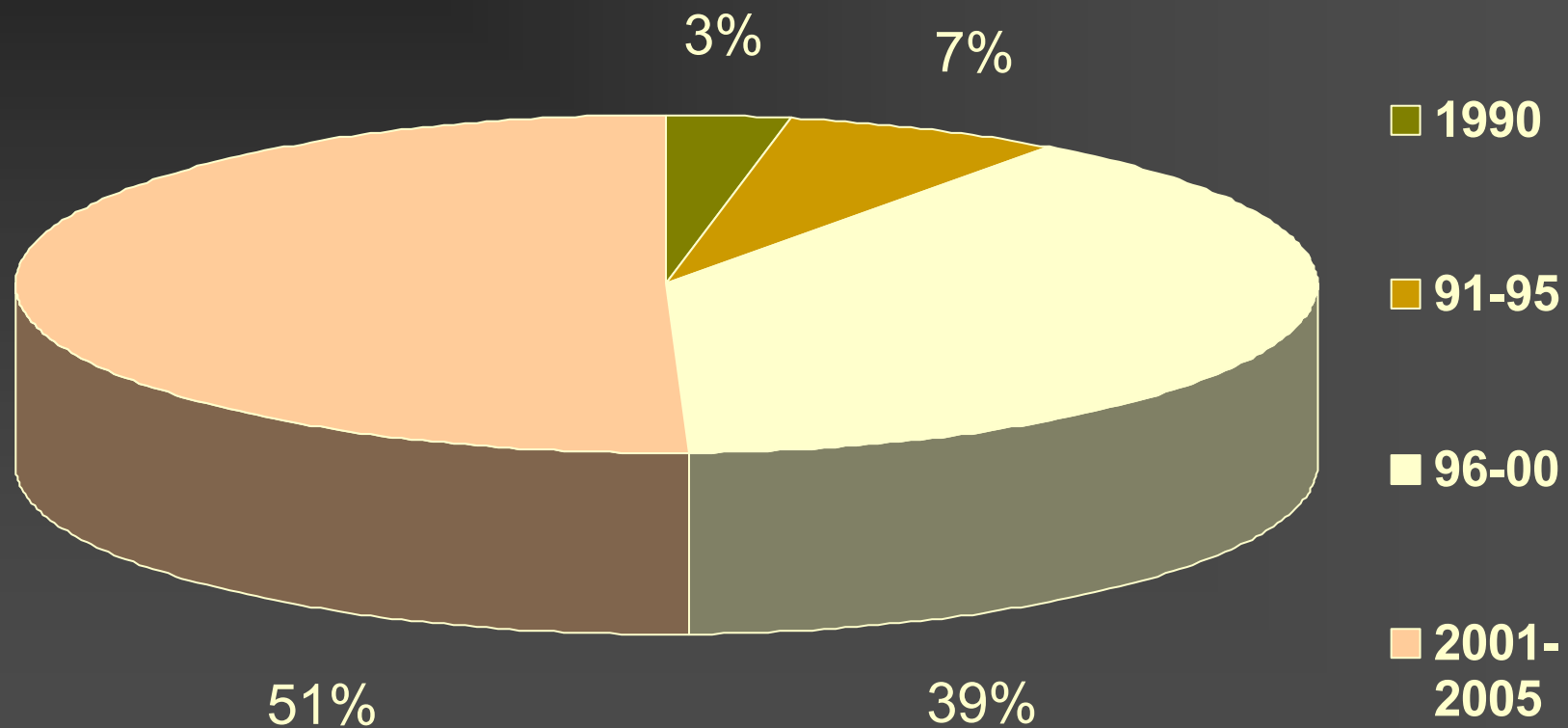
- Not a new model
- Page charges introduced in 1930 ...
- ...by the APS
- \$2 per page
- October 1953: US Government confirmed that Government agencies could pay page charges

DOAJ

- June 2004 – added article-level searching
- 476 journals searchable at article level
- c1950 journals in total
- 81K articles



Journals with OA content from...



OAJs in HEP

- Accelerator community:
 - Phys Rev Special Topics – Accelerators and beams
- Particle community:
 - Adv Theor & Math Physics
 - New Journal of Physics
 - Phys Rev Special Topics – Physics Education Research
 - Eur J Phys A direct
 - Eur J Phys C direct

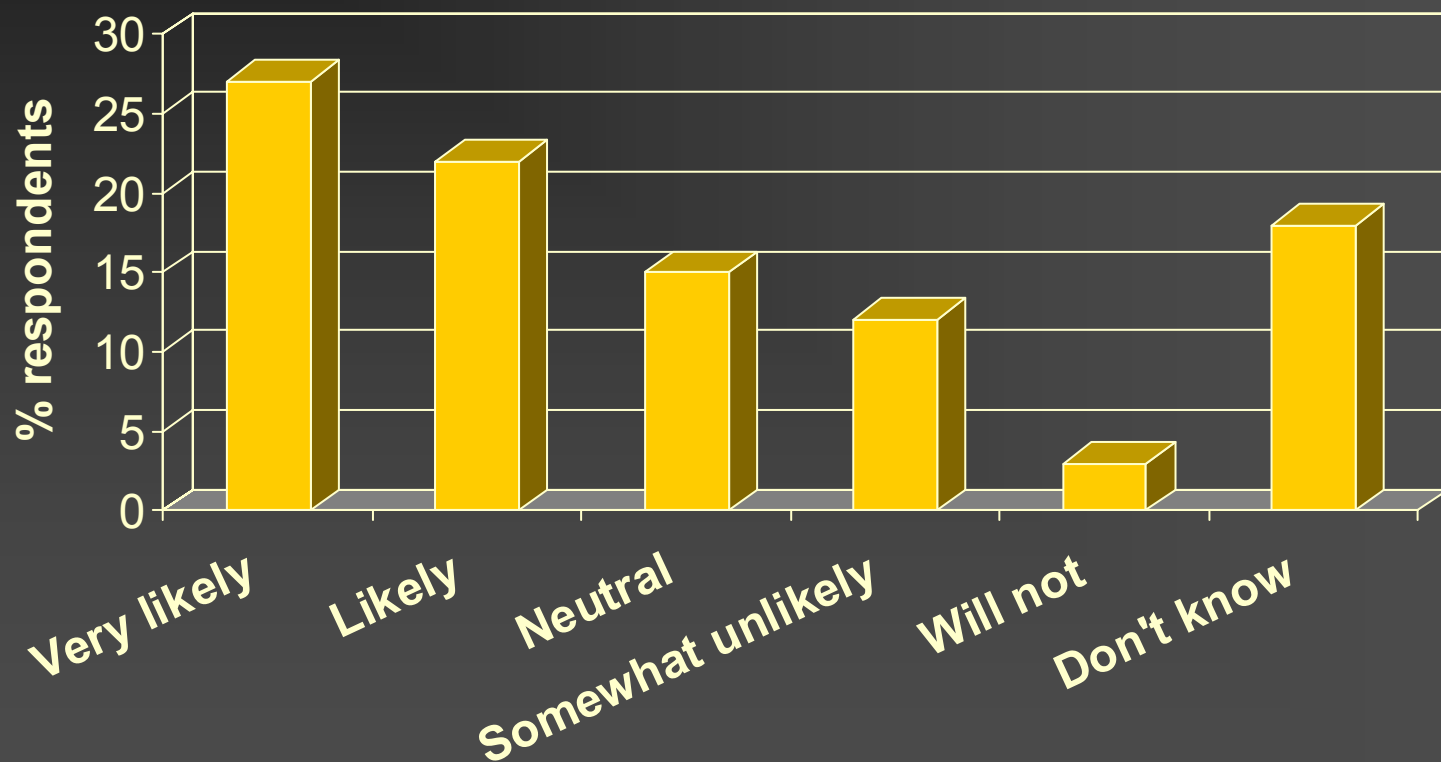
OAJs in HEP continued...

- Conferences:
 - Proceedings of Science
 - J Phys Conference Series
 - Joint Accelerator Conference website
- Springer (Open Choice; \$3000):
 - Eur J Physics
- AIP (Author Select; \$2000):
 - J Mathematical Physics
 - Review of Scientific Instruments
 - Chaos

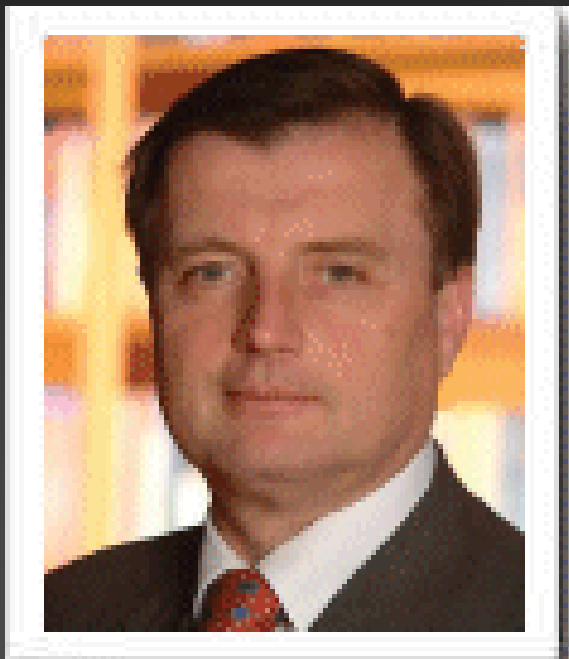
Gold-ish journals and publishers

- 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

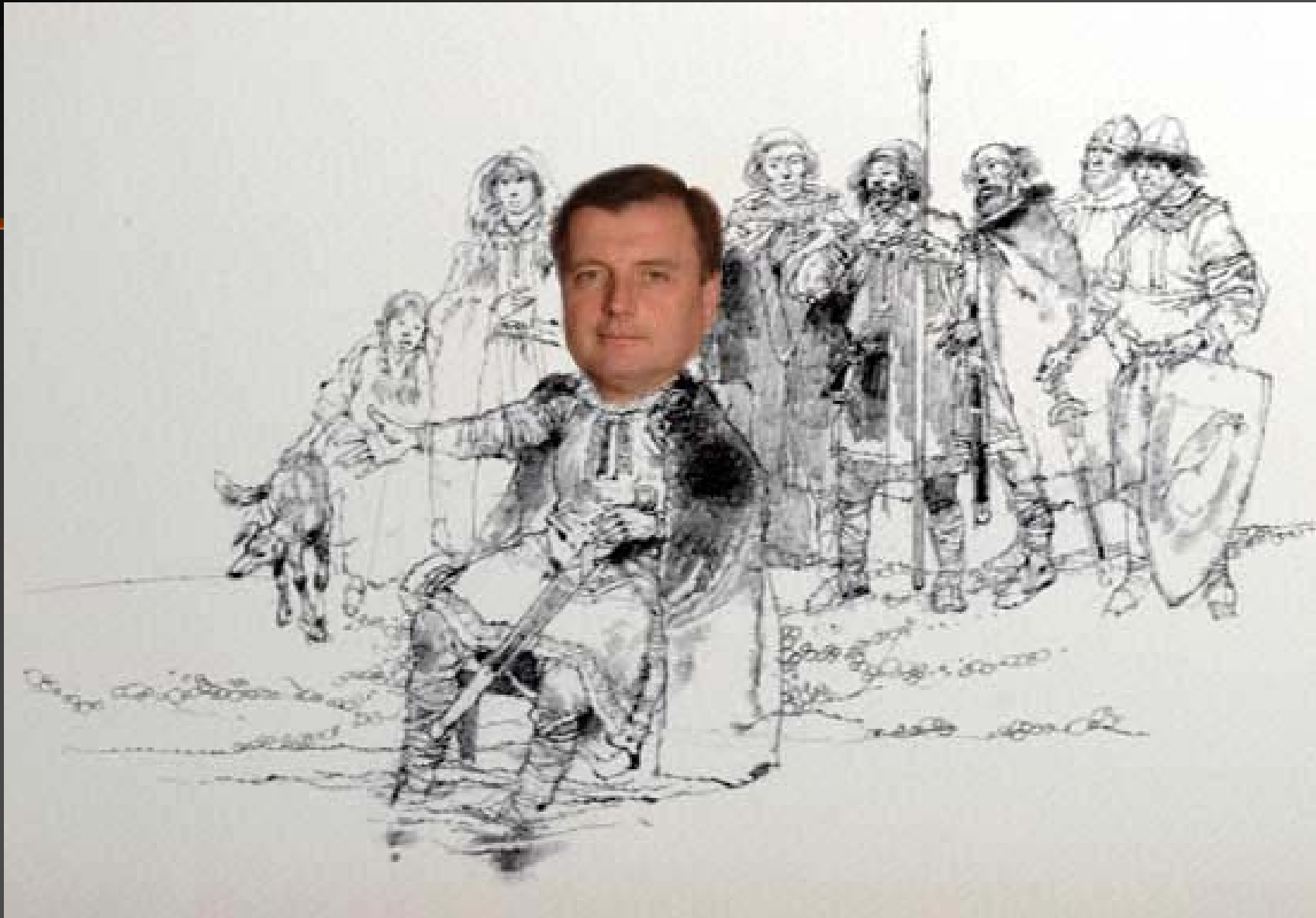


Early 2004:
Joined Springer as
CEO

Introduced ‘Open
Choice’



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Derk's new move

August 2005:

Appointed Jan Velterop as
Director of Open Access

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‘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 Book Search
- Google Scholar

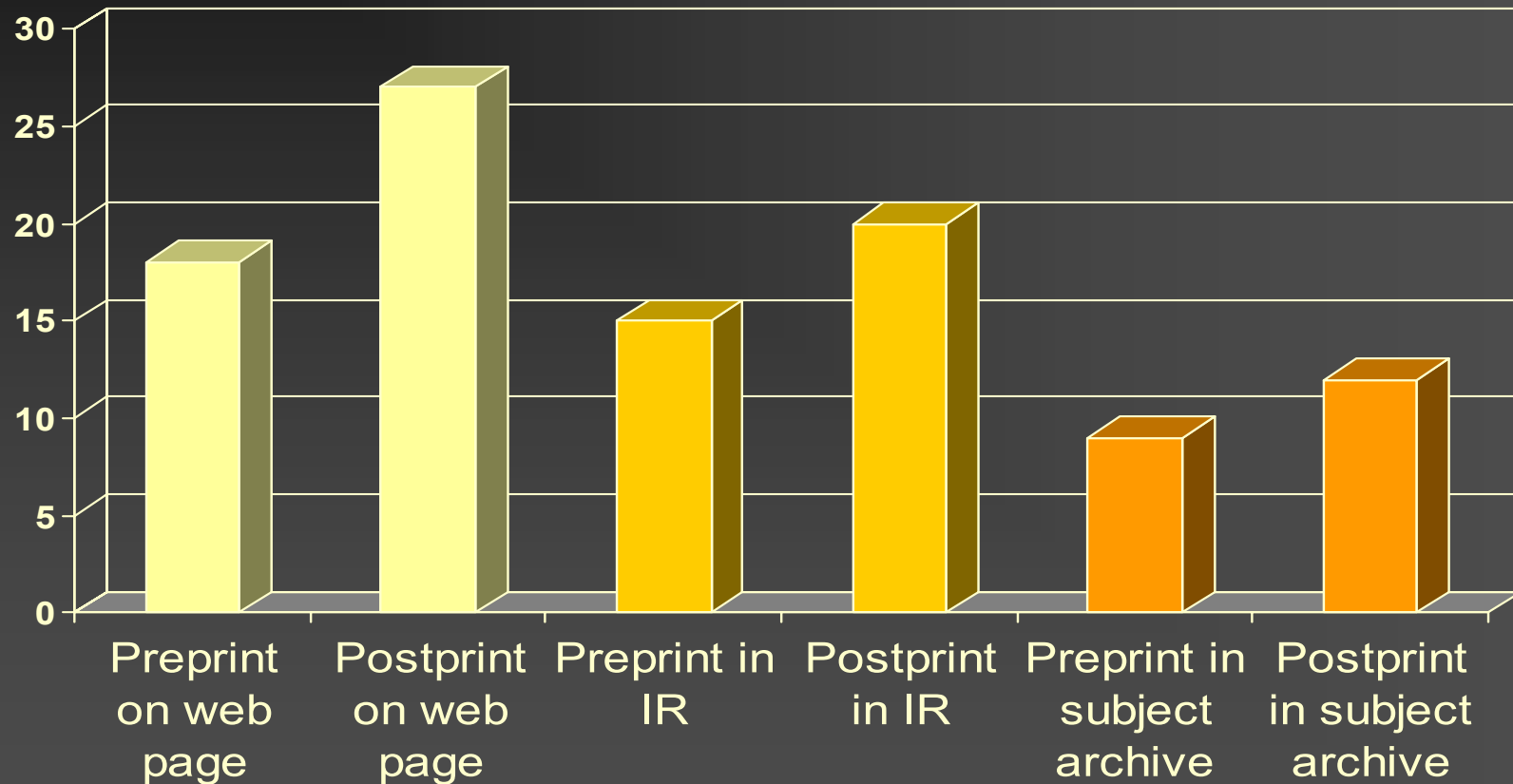
Indexing services (secondary publishers)

- 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

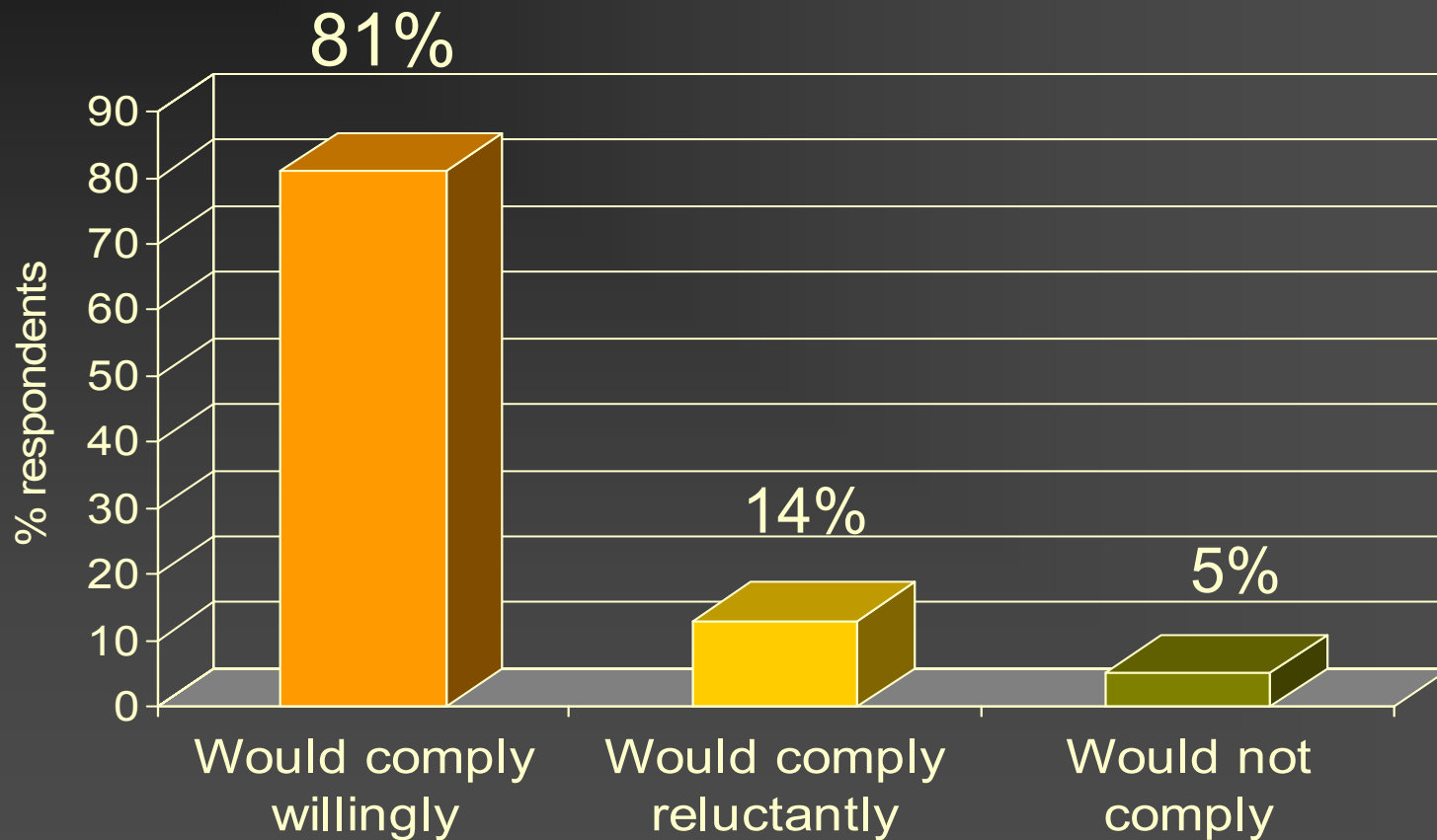
National-level initiatives

- 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, Jan 2004
- University of Minho, Portugal
- University of Zurich

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
- Should be around 5500 per month

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



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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)

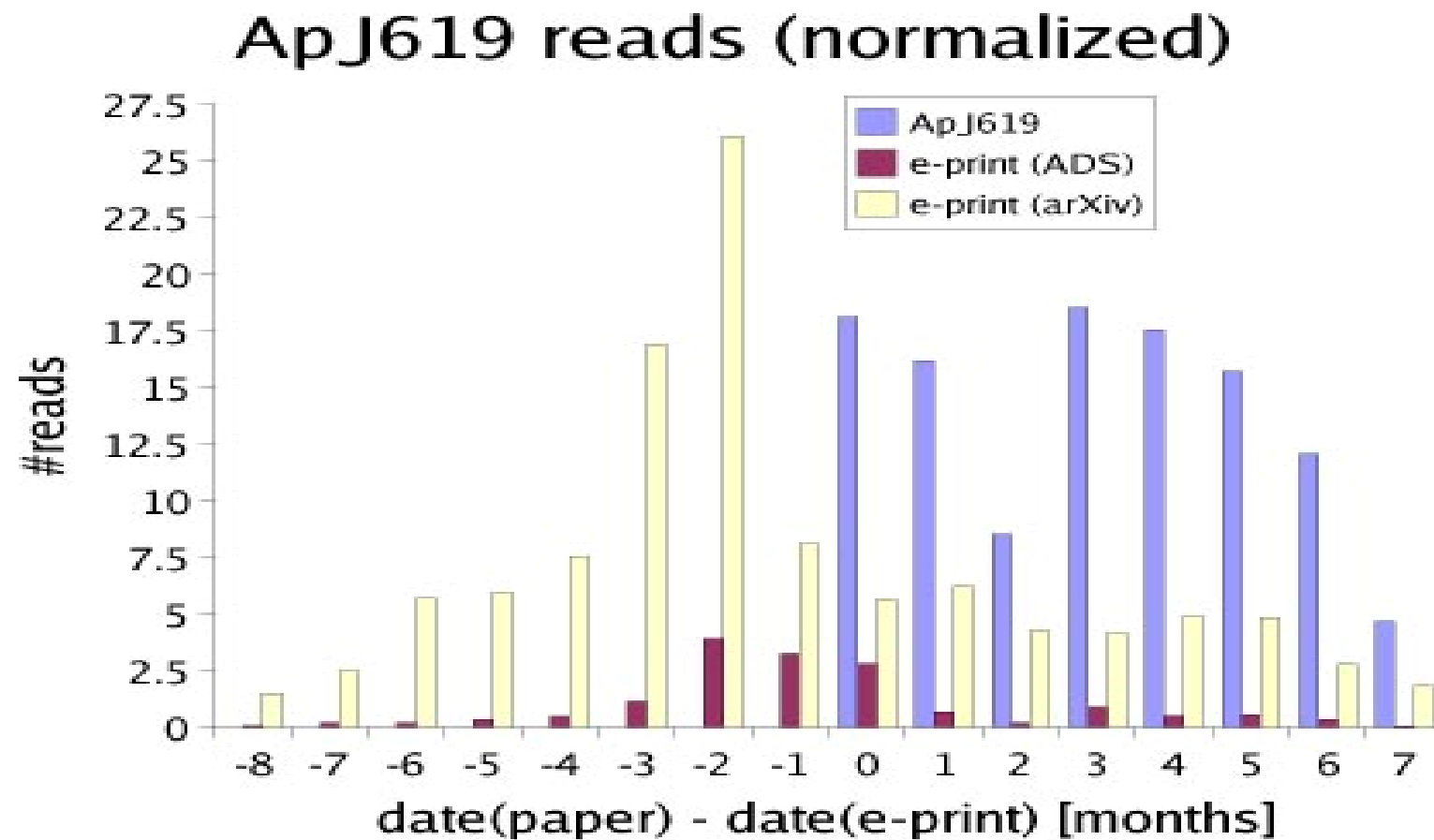
‘Under review’

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

Physics

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

Astronomy (*Astrophysical Journal*)



Embargoing self-archiving

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

Obeying embargoes?

- Nature Physics Issue 1:
- 8 primary research papers
- 7 available on the web on the day of publication (1 not available except in jrnal)
- 4 had postprints in arXiv
- 2 had preprints in arXiv
- 2 had Nature's own PDF on author websites
- Citations: postprints - 1,5,0,3; preprints - 3,0
- (physics research/pub cycle is moving very fast)

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.’



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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

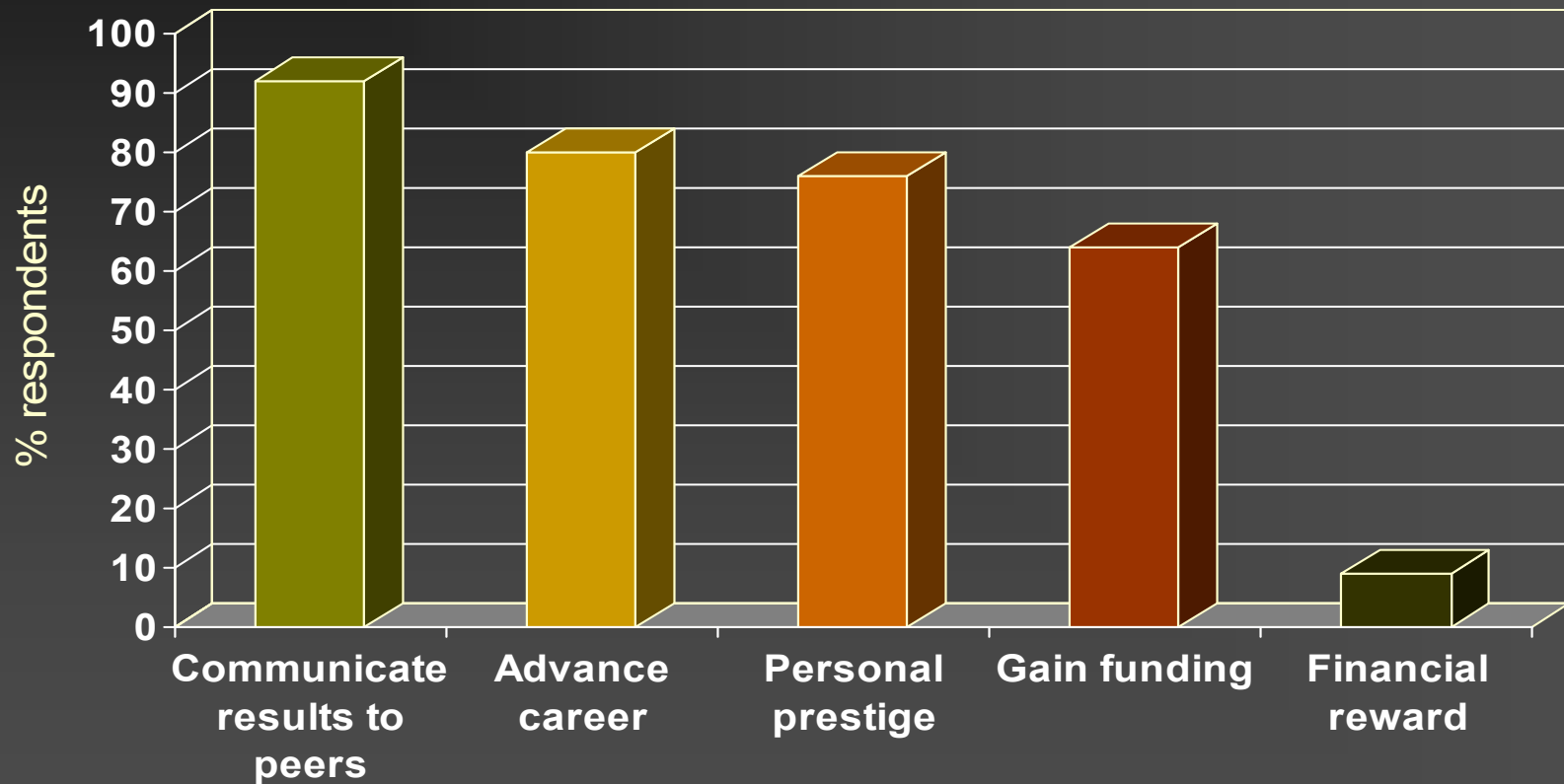
- ISI times cited
- Measures of correlation of downloads and citations
- New measures of impact



Other developments: science

- Data (open, available, shared)
- E-science
- Interdisciplinary research

Why researchers publish their work



Thank you for listening

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