

OPEN ACCESS REPOSITORIES – WHAT THEY CAN DO FOR RESEARCHERS, UNIVERSITIES AND AUSTRIA

Alma Swan
Key Perspectives Ltd
Truro, UK

Austrian OA Day, Vienna, 25 March 2010

Some context

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Open Access

- ▣ Immediate
- ▣ Free (to use)
- ▣ Free (of restrictions)
- ▣ Access to the peer-reviewed literature (and data)
- ▣ Not vanity publishing
- ▣ Not a 'stick anything up on the Web' approach
- ▣ Moving scholarly communication into the Web Age

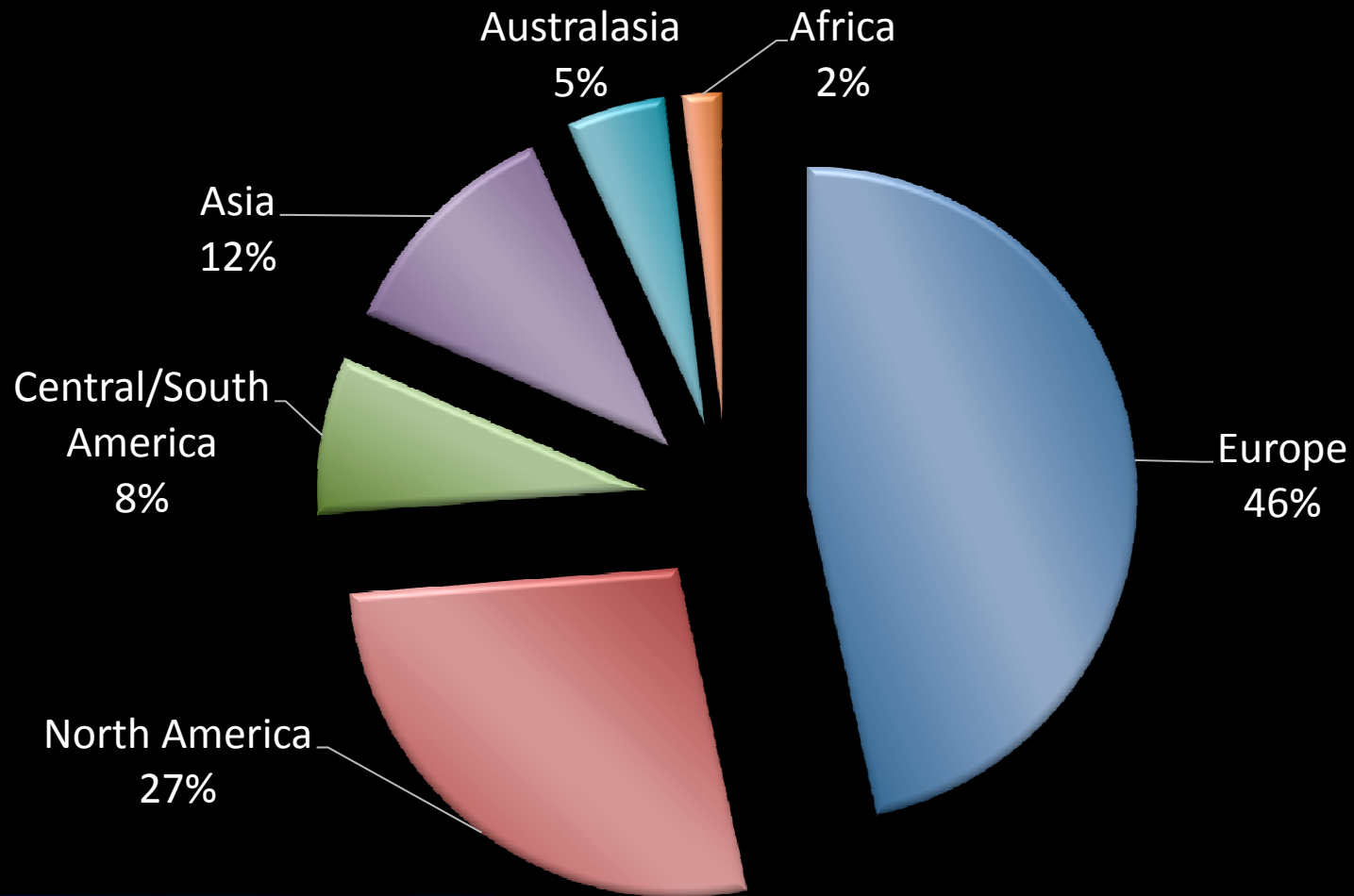
Open Access: how

- ▣ Open Access journals
(www.doaj.org)
- ▣ Open Access repositories
- ▣ Open Access monographs

Open Access repositories

- ▣ Digital collections
- ▣ Most usually institutional
- ▣ Sometimes centralised (subject-based)
- ▣ Interoperable
- ▣ Form a network across the world
- ▣ Create a global database of openly-accessible research
- ▣ Currently >1600

Where repositories are



Total at March 2010: 1625

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How to make your work Open Access through a repository

- ▣ Prepare your paper and submit it to your journal of choice for peer review
- ▣ Make any changes required as a result of the peer review process
- ▣ Submit the final version to the journal
- ▣ Deposit that same final version to your repository through the normal deposit procedure that applies in your institution
- ▣ N.B. Your repository staff may check journal copyright conditions on your behalf, or you may do so yourself using the SHERPA RoMEO service at <http://www.sherpa.ac.uk/romeo/>

What's in it for authors?

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An author's own testimony on open access visibility

“Self-archiving in the PhilSci Archive has given instant world-wide visibility to my work. As a result, I was invited to submit papers to refereed international conferences/journals and got them accepted.”

A well-filled repository

UNIVERSITY OF
Southampton
School of Electronics
and Computer Science

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ECS was the first academic institution in the world to adopt a self-archiving mandate (2001). All the research output of all members of the School is available and fully searchable in our online repository. This repository contains 11488 records. Find out more about our [EPrints Software](#) and [Open Access to Research](#).

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3. Hoy, P. R., Rutt, H. N., Gray, W. P. and Bulters, D. O. (2009) [Intraoperative Optical Measurement of Function in the Human Brain](#). In: *Optical Techniques in Neurosurgery, Brain Imaging and Neurobiology Conference, SPIE 2009 BIOS Biomedical Optics Symposium*, 24-19 January 2009, San Jose. Item availability restricted.

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(Research)

RESEARCH
THEMES

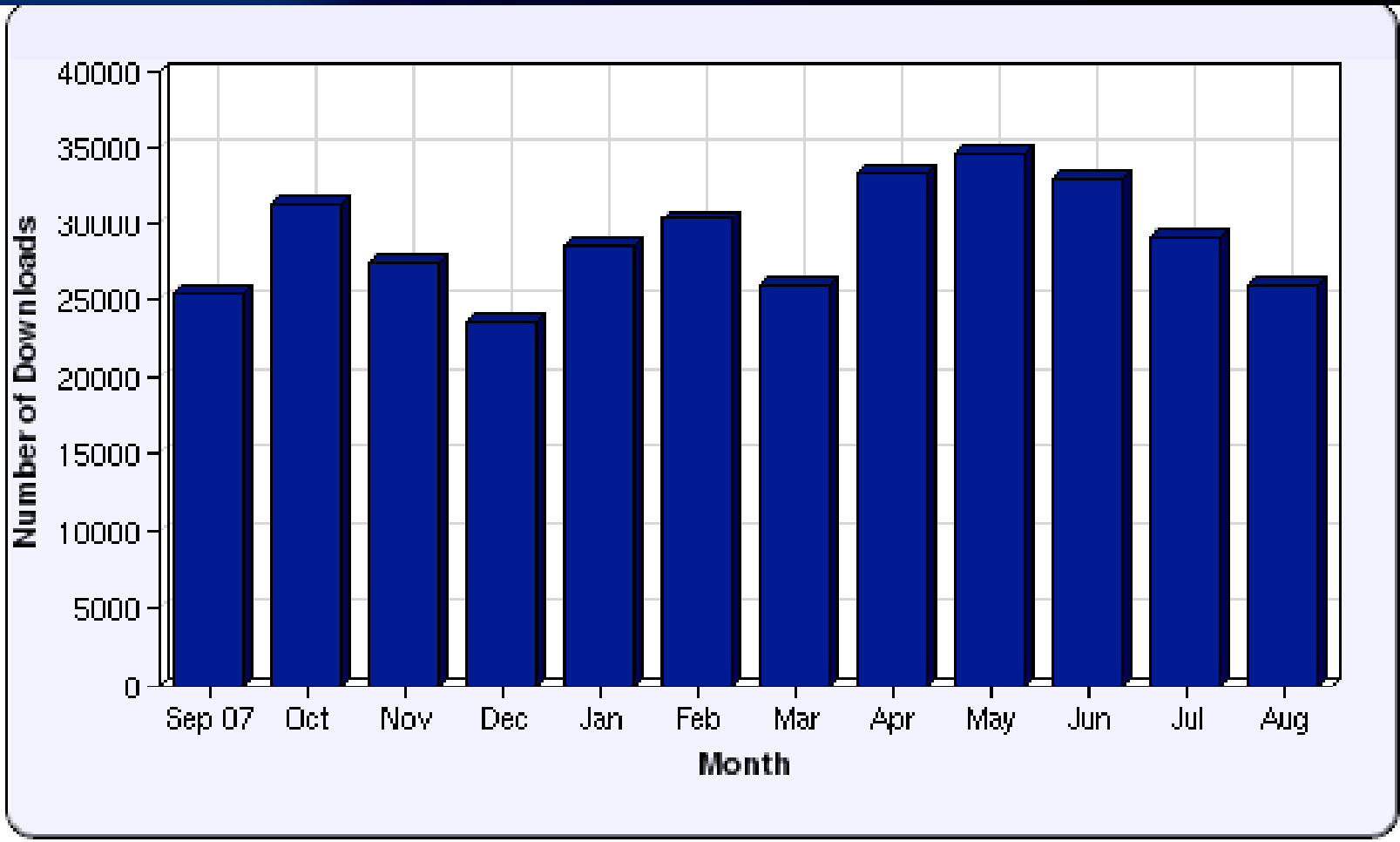
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And it gets used



Professor Martin Skitmore

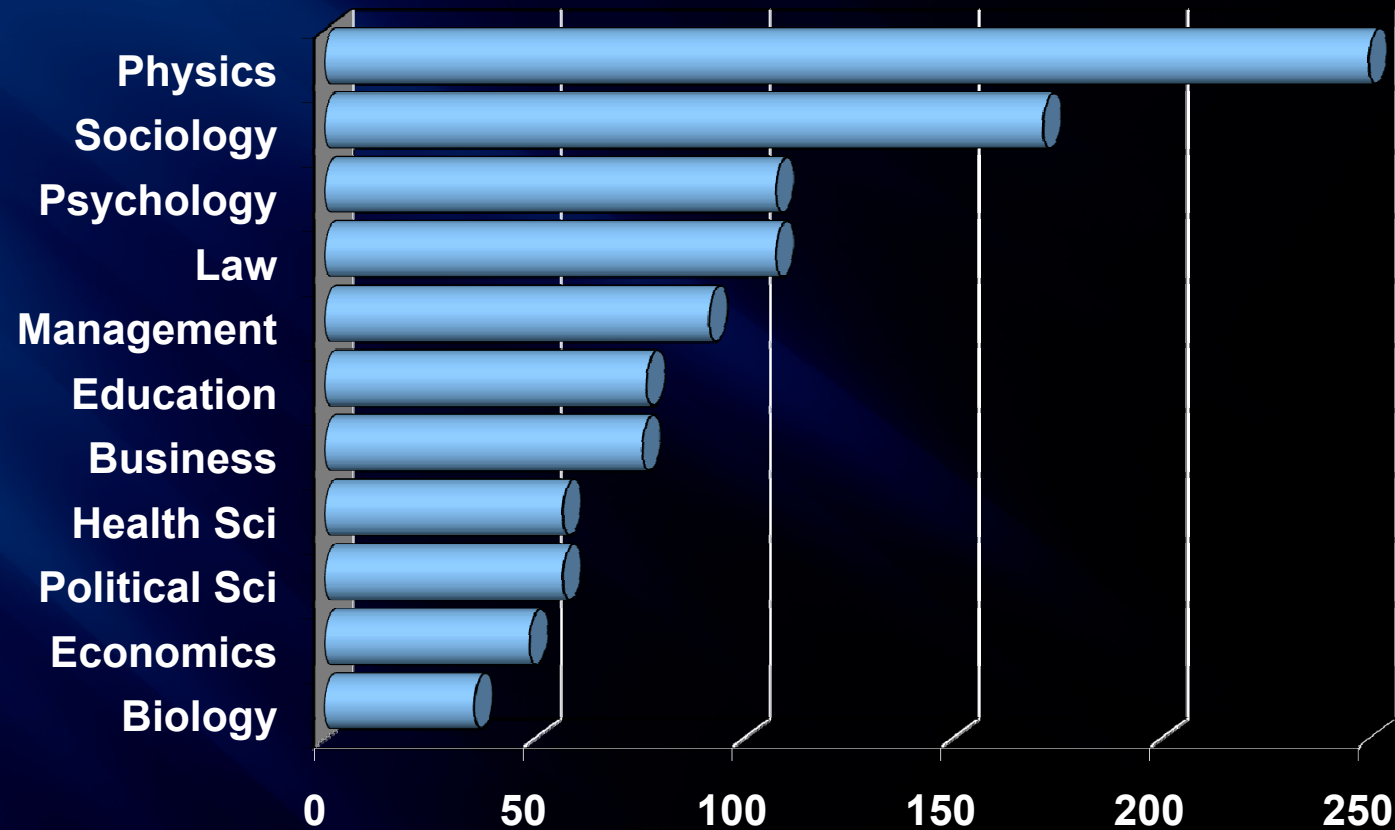
School of Urban Design, QUT

“There is no doubt in my mind that ePrints will have improved things – especially in developing countries such as Malaysia ... many more access my papers who wouldn't have thought of contacting me personally in the 'old' days.

While this may ... increase ... citations, the most important thing ... is that at least these people can find out more about what others have done...”

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Impact



Range = 36%-200%

(Data: Stevan Harnad and co-workers)

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What OA means to a researcher

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Brisbane Australia

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Frost, Ray L. and Kristof, Janos (2004) [Raman and infrared spectroscopic studies of kaolinite surfaces modified by intercalation](#). In: Wypych, Fernando and Satnarayana, Kestur Gundappa, (eds.) Clay surfaces: fundamental and applications. Elsevier, The Netherlands, Amsterdam, pp. 184-215.

Frost, Ray L. and Kloprogge, J. Theo (2002) [Infrared emission spectroscopy of clay and related minerals](#). In: Somasundaran, P and Hubbard, A, (eds.) Encyclopedia of Surface and Colloid Science. Marcel Dekker (Routledge), United States of America, New York, New York, pp. 2490-2513.

Frost, Ray L. and Kloprogge, J. Theo and Kristof, Janos (2002) [Raman and infrared spectroscopic study of modification of kaolinite surfaces by intercalation organic molecules](#). In: Somasundaran, P and Hubbard, A, (eds.) Encyclopedia of surface and colloid science. Marcel Dekker (Routledge), United States of America, New York, New York, pp. 4438-4452.

Kloprogge, J.Theo and Frost, Ray L. (2001) [Infrared and raman spectroscopic studies of layered double hydroxides\(LDHs\)](#). In: Rives, Vicente, (ed) Layered double hydroxides: Present and future. Nova Science Publishers, Inc, New York, pp. 139-192.

Conference Paper

He, Hongping and Zhu, Jianxi and Yuan, Peng and Zhou, Qin and Ma, Yuehong and Frost, Ray L. (2008) [Pore structure of surfactant modified montmorillonites](#). In: ICAM 2008 - Ninth International Congress for Applied Mineralogy, 8-10 September 2008, Brisbane.

Browse By Person: Frost, Ray

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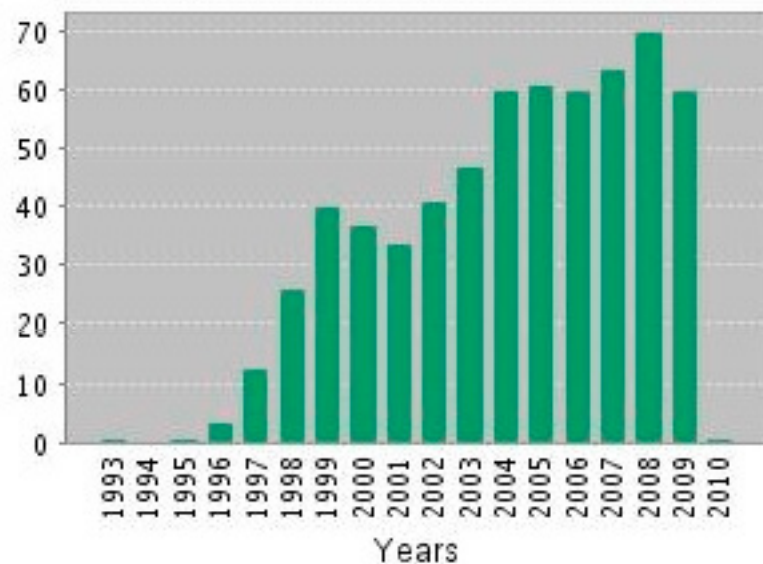
Ray Frost's impact

Citation Report Author=(frost r*) AND Address=(brisbane)

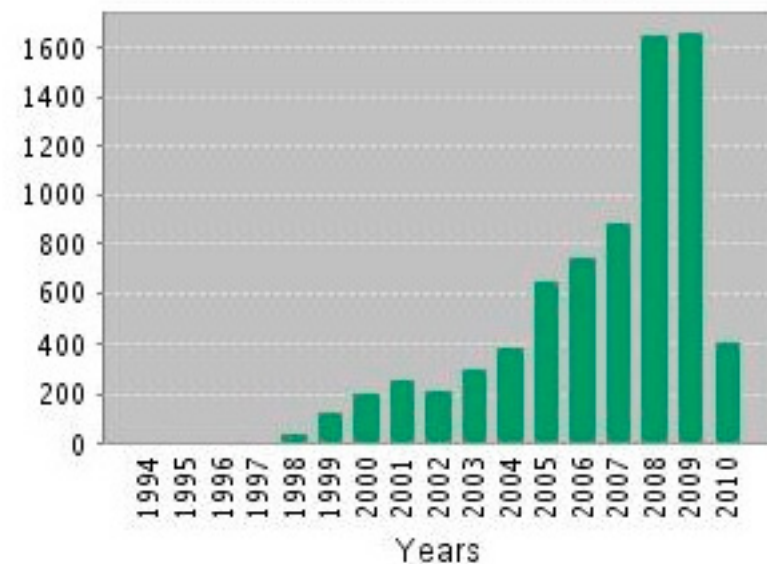
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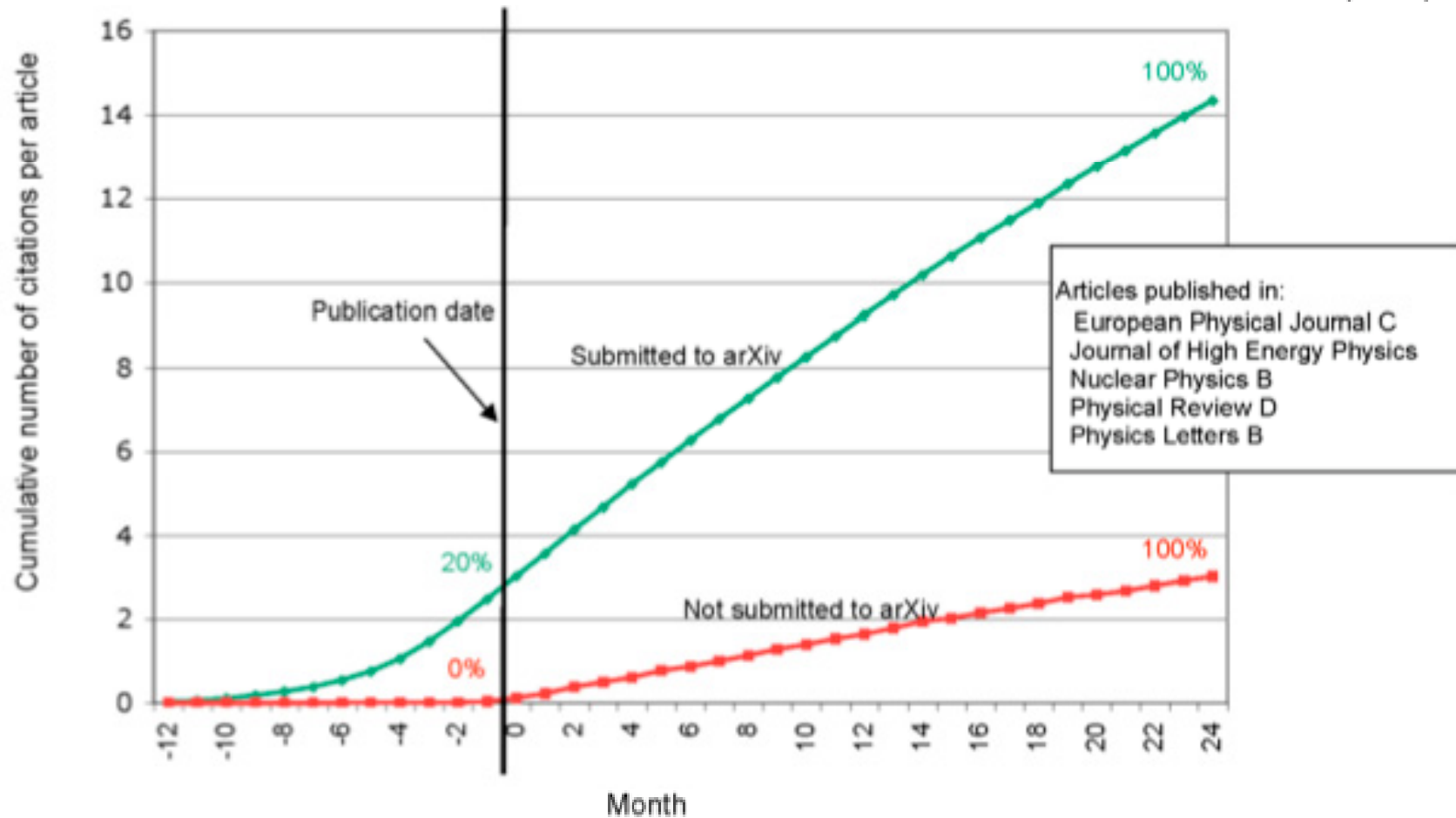
Citations in Each Year



The early bird ...

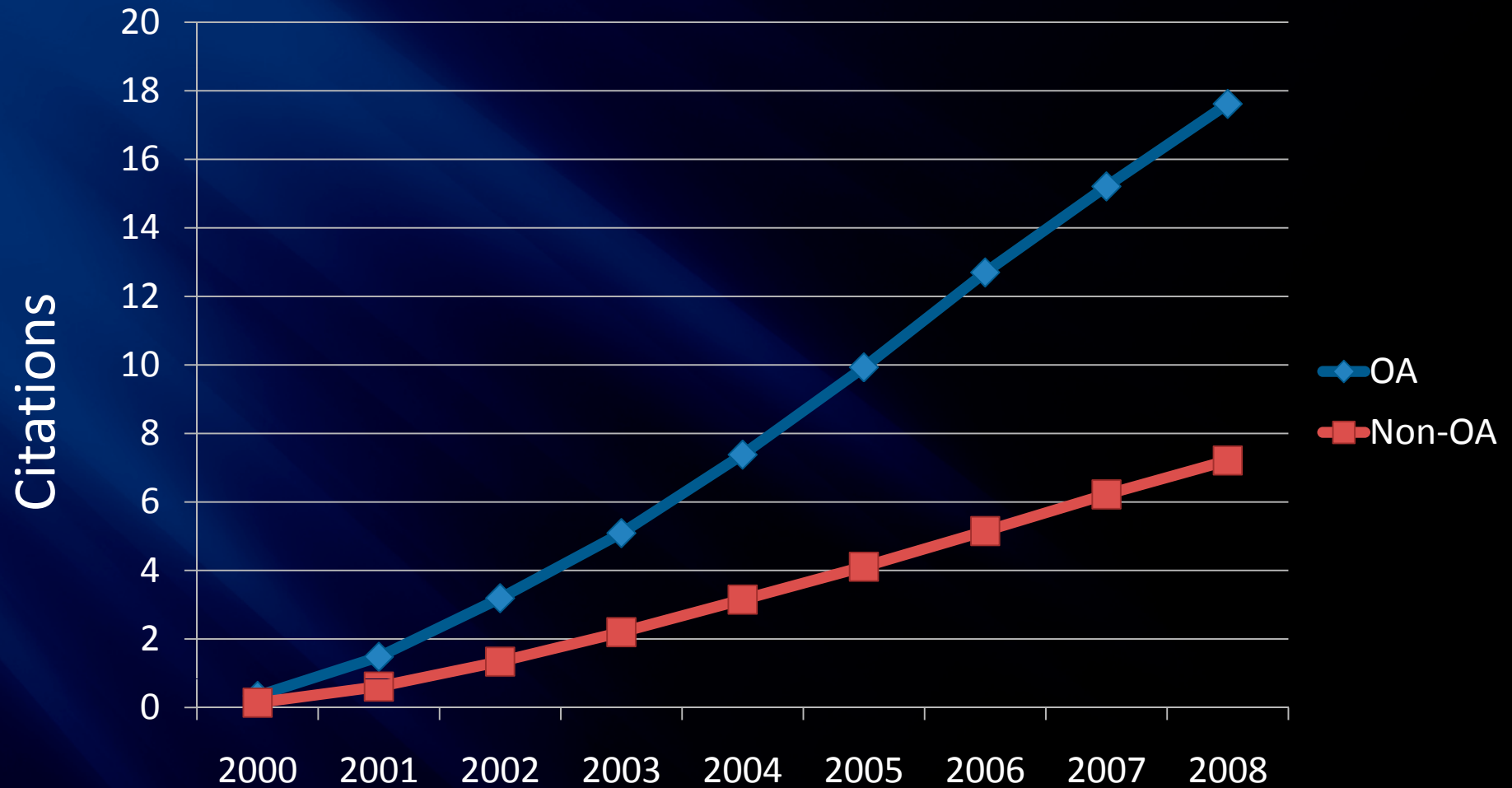
arxiv:0906.5418

Gentil-Beccot, Mele, Brooks



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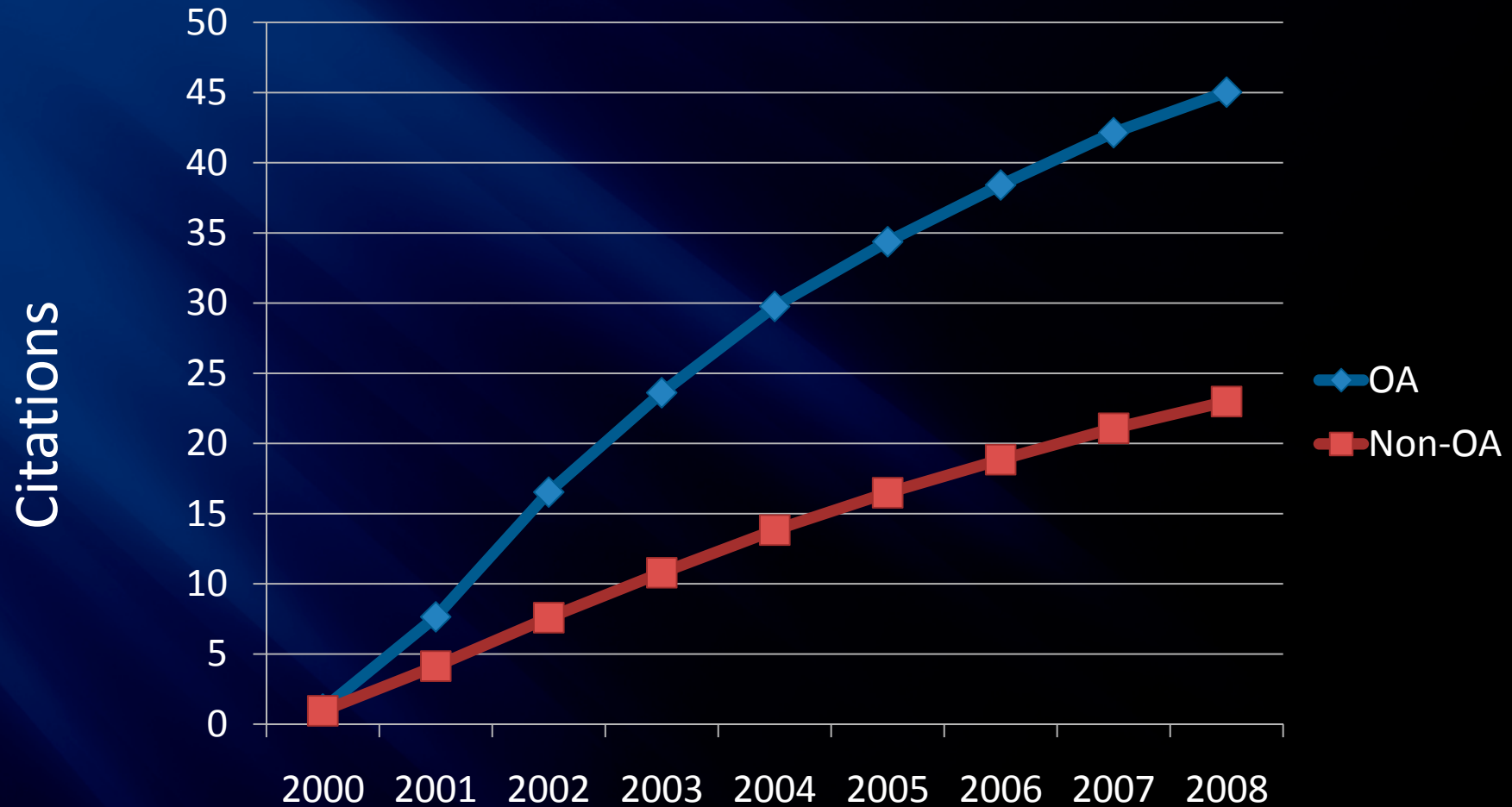
Engineering



Data: Gargouri & Harnad, 2010

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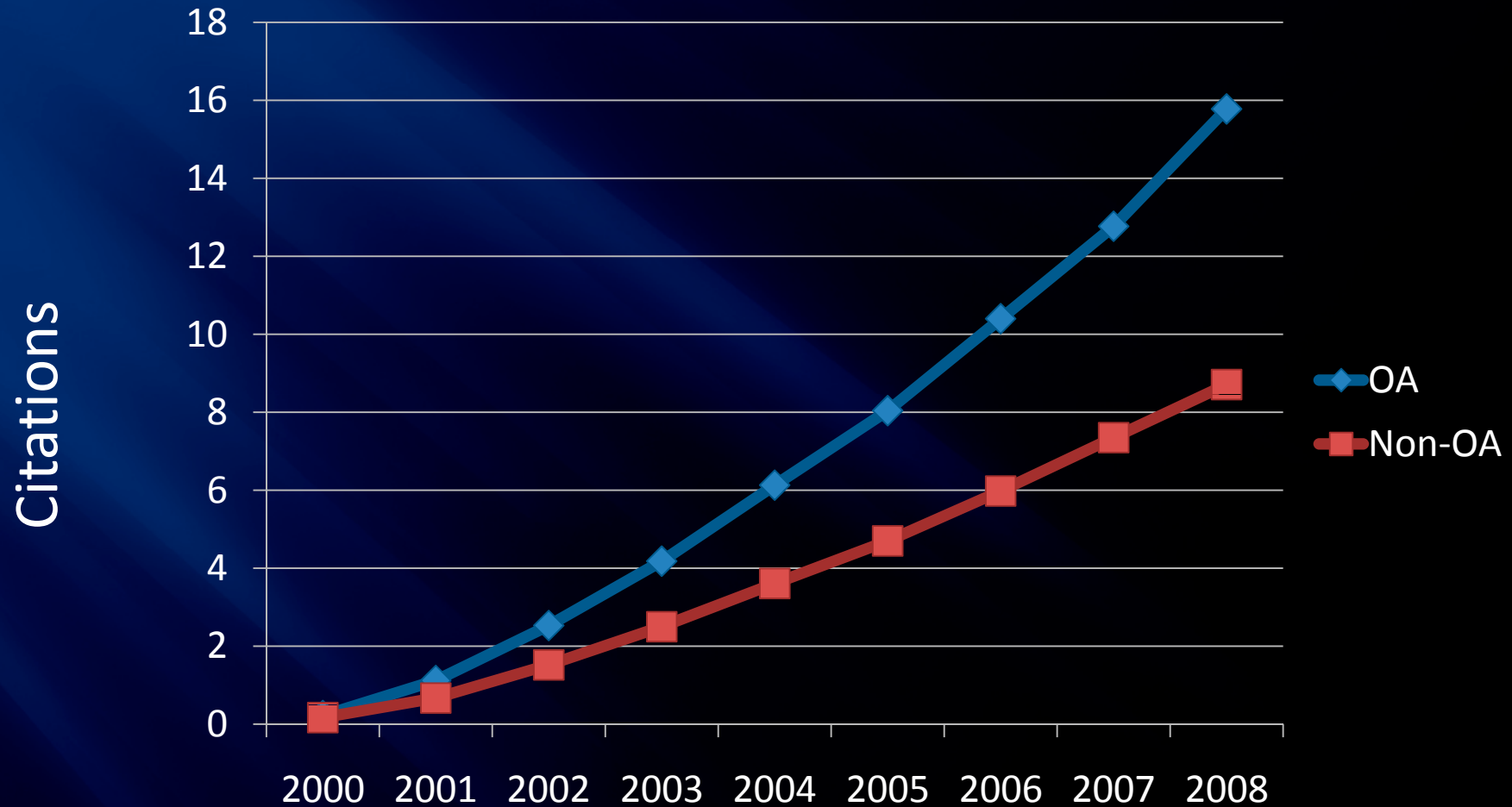
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Data: Gargouri & Harnad, 2010

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Social science



Data: Gargouri & Harnad, 2010

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ECS Research

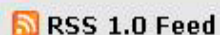
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The business of digital repositories

Swan, A. (2008) *The business of digital repositories*.

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Abstract

This chapter is aimed at those who are involved in planning, setting up and running a digital repository for an institution making a business case, costs, staffing requirements, managing growth and change and other sustainability issues. A number of studies across Europe were used to derive data to inform the study.

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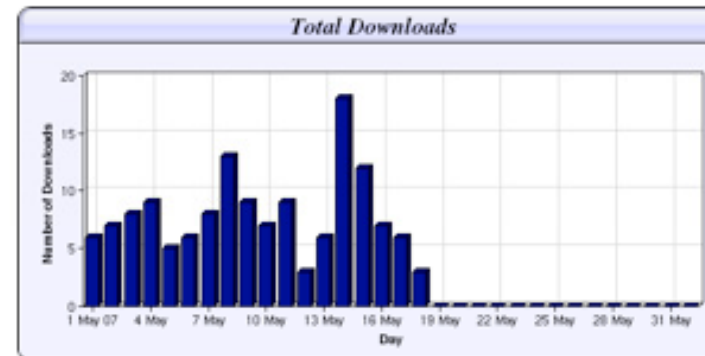
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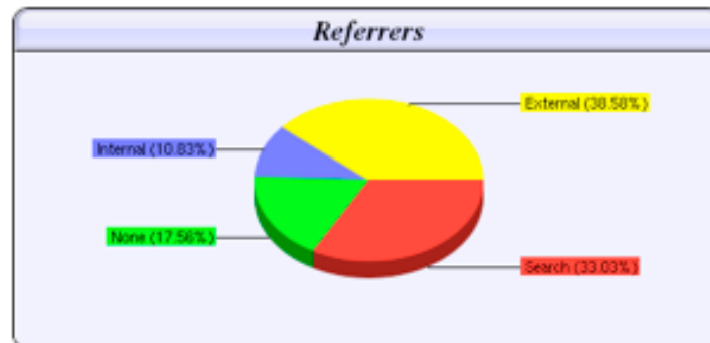
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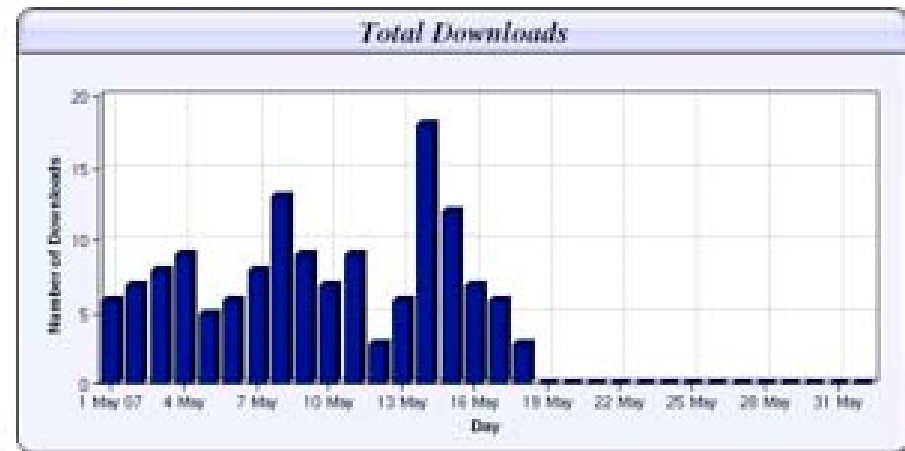
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**Statistics
in focus**

.....

**SCIENCE AND
TECHNOLOGY**

81/2007

Community Innovation



.....

This report puts the spotlight on two different facets of innovation among those screened by the Fourth Community Innovation Survey (CIS 4): the sources of information that are highly important for innovation, and the types of partners with which innovative enterprises cooperate.

The outcome for both aspects is similar: the link between publicly financed science and innovative industry is rather weak. Institutional sources are less frequently consulted than internal or market sources; and innovative enterprises find cooperation partners more easily among suppliers or customers than in universities or public research institutes.

Author
Sergiu-Valentin PARVAN

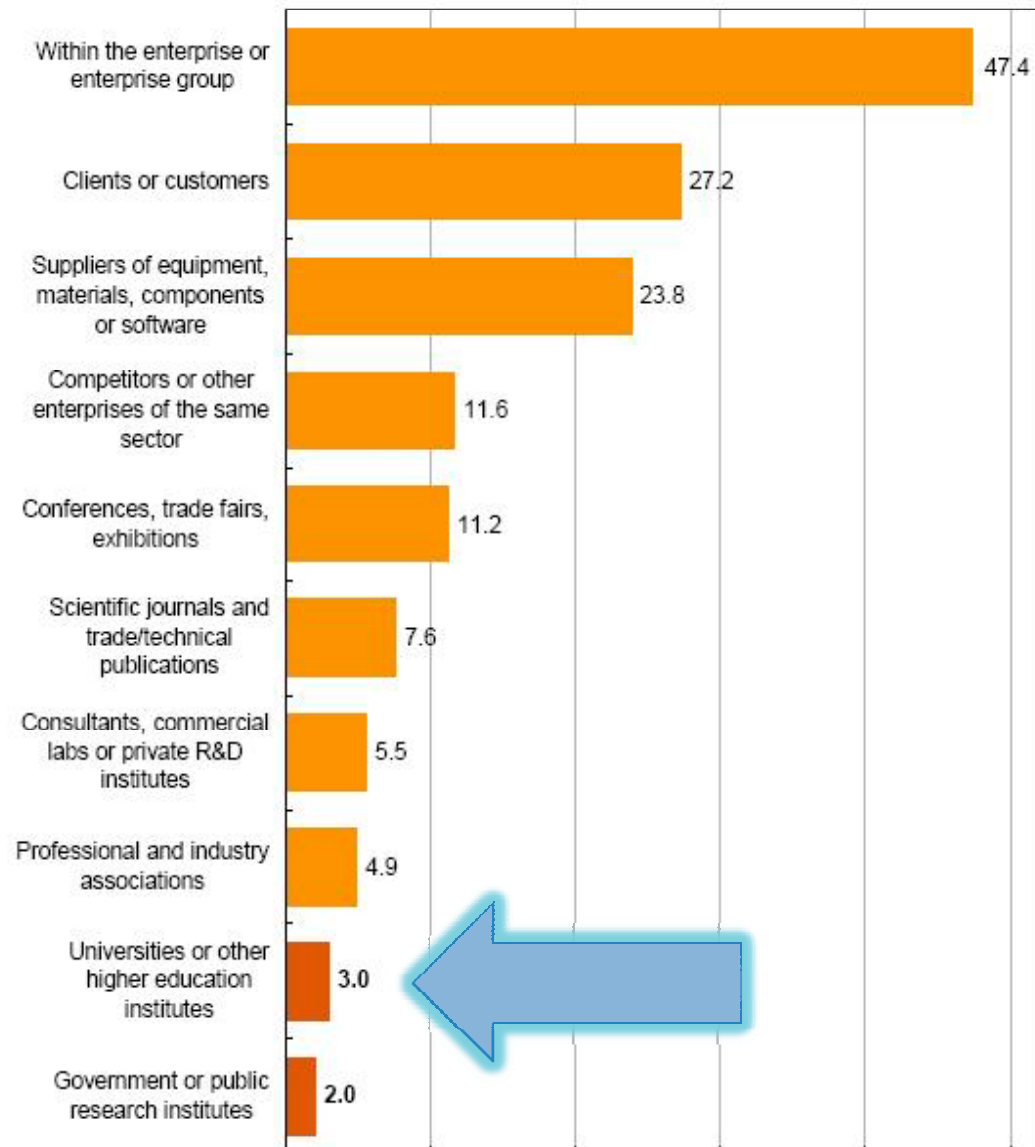
Contents

Highly important sources of information for innovation during 2002-2004..... 2

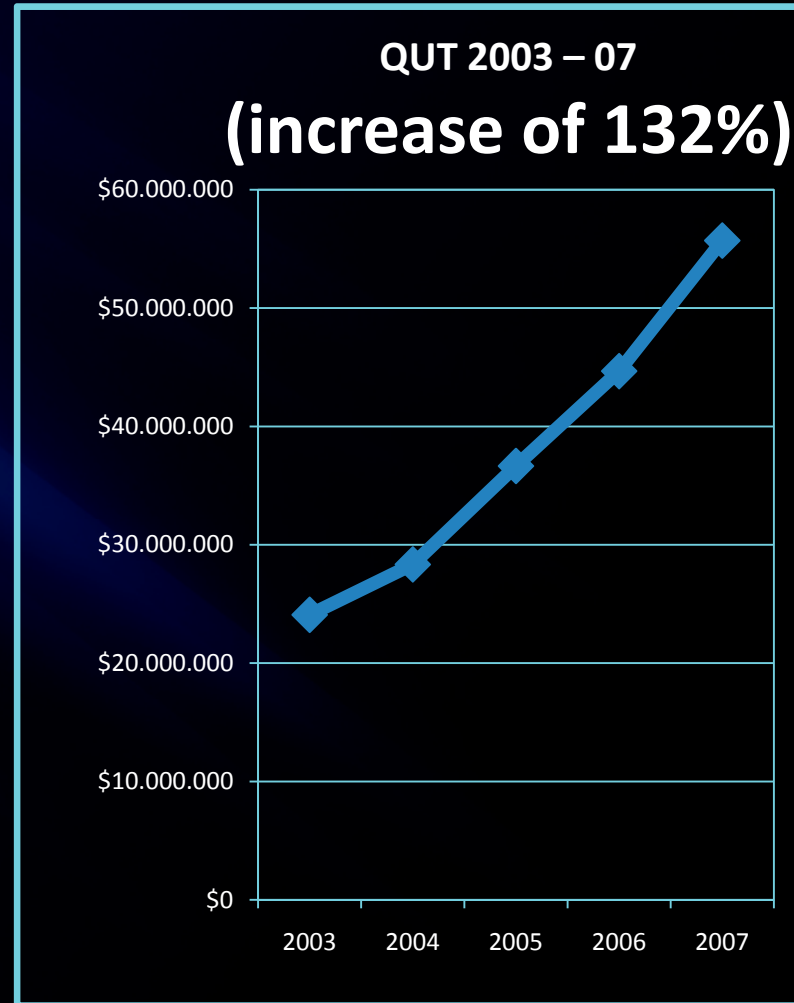
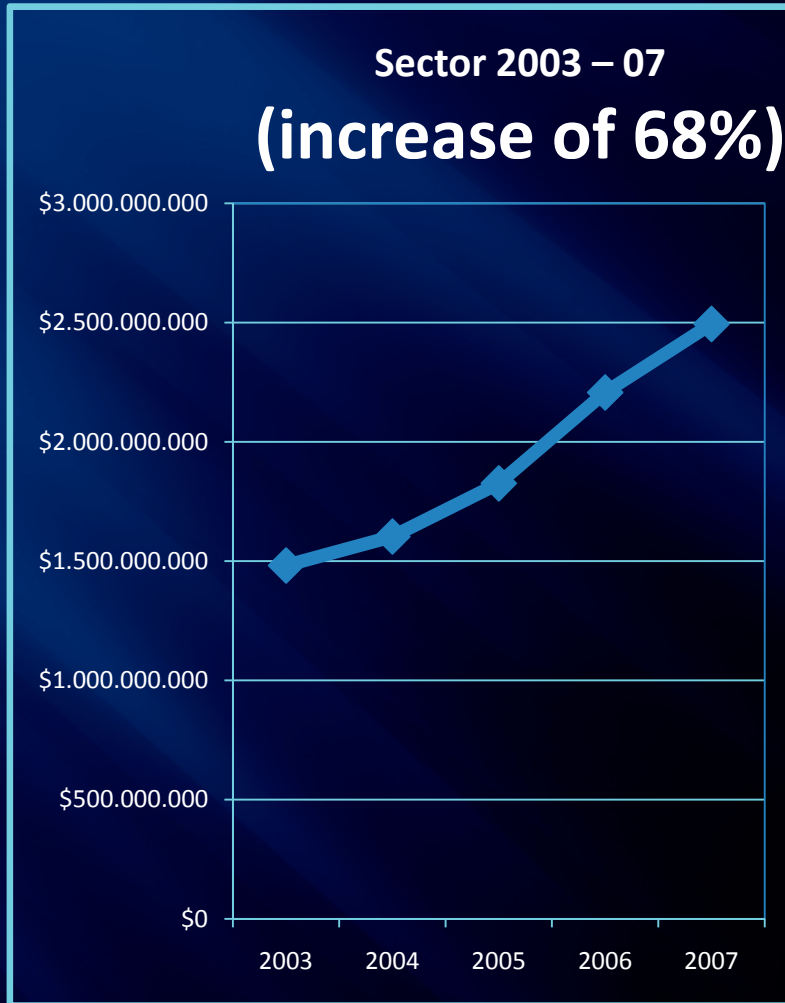
Link between science and industry 4



Figure 1: Sources of information identified by enterprises as highly important for the enterprise's innovation activities, as a percentage of innovative enterprises, EU-27 average



Total Research Income: QUT and sector



Data: Tom Cochrane
Deputy Vice-Chancellor, QUT

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Dr Evonne Miller

Senior Lecturer, Design, QUT

“Just last week, the General Manager of Sustainable Development from an Australian rural industry called me – based on reading one of my research papers in ePrints.

He loved what he read and we are now in discussion about how we can help them measure their industry’s social impacts.”

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For institutions?

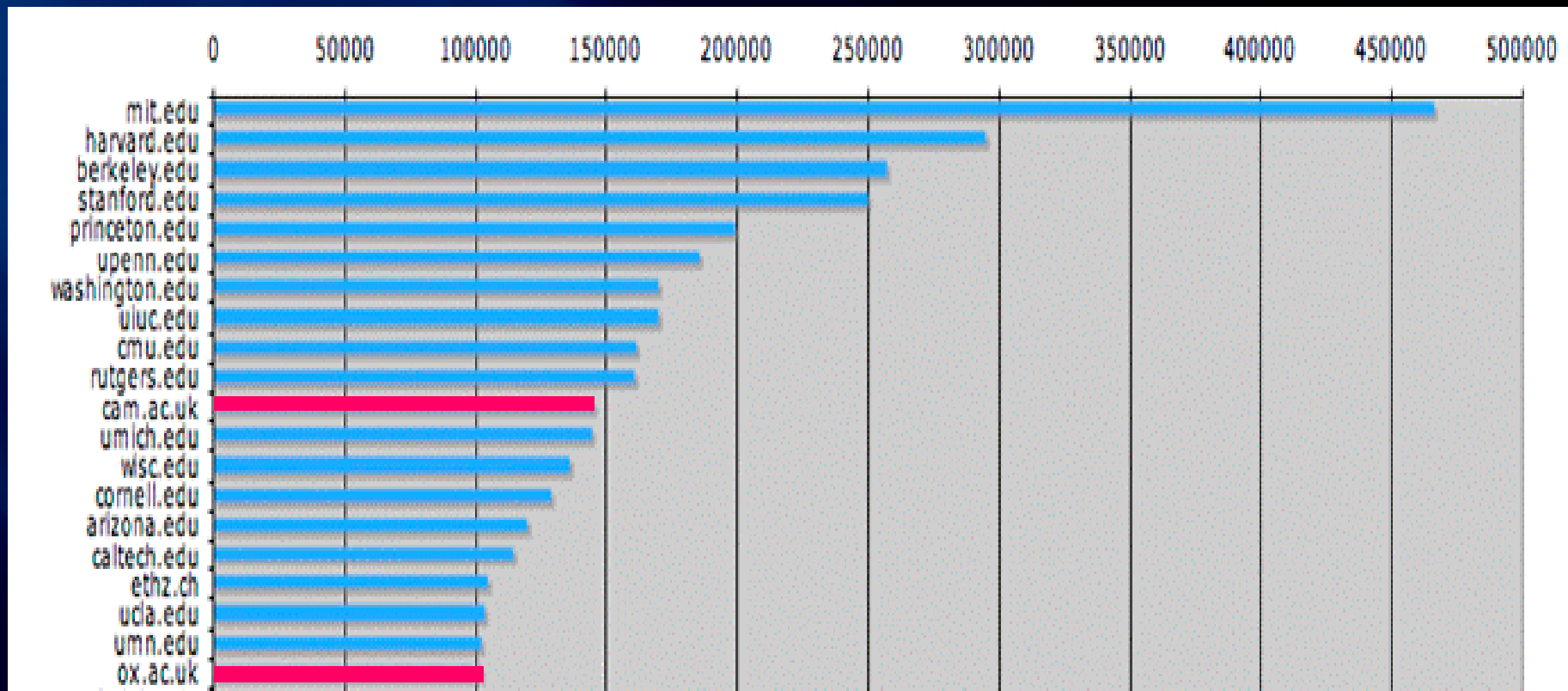
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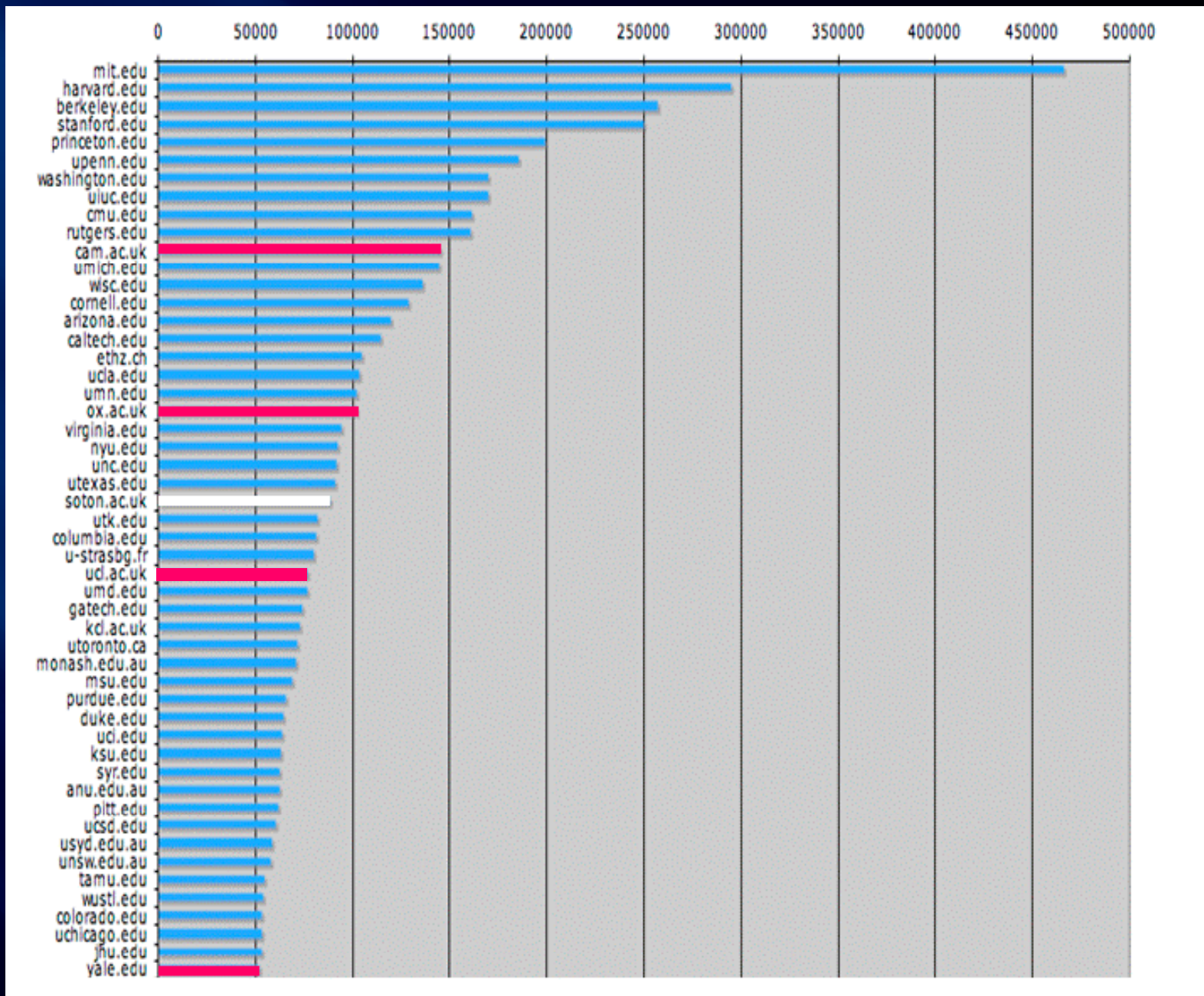
Why an institutional repository?

- ▣ Fulfils a university's mission to engender, encourage and disseminate scholarly work
- ▣ Complete record of its intellectual effort
- ▣ Permanent record of all digital output
- ▣ Research management tool
- ▣ 'Marketing' tool for universities
- ▣ Provides maximum Web impact for the institution

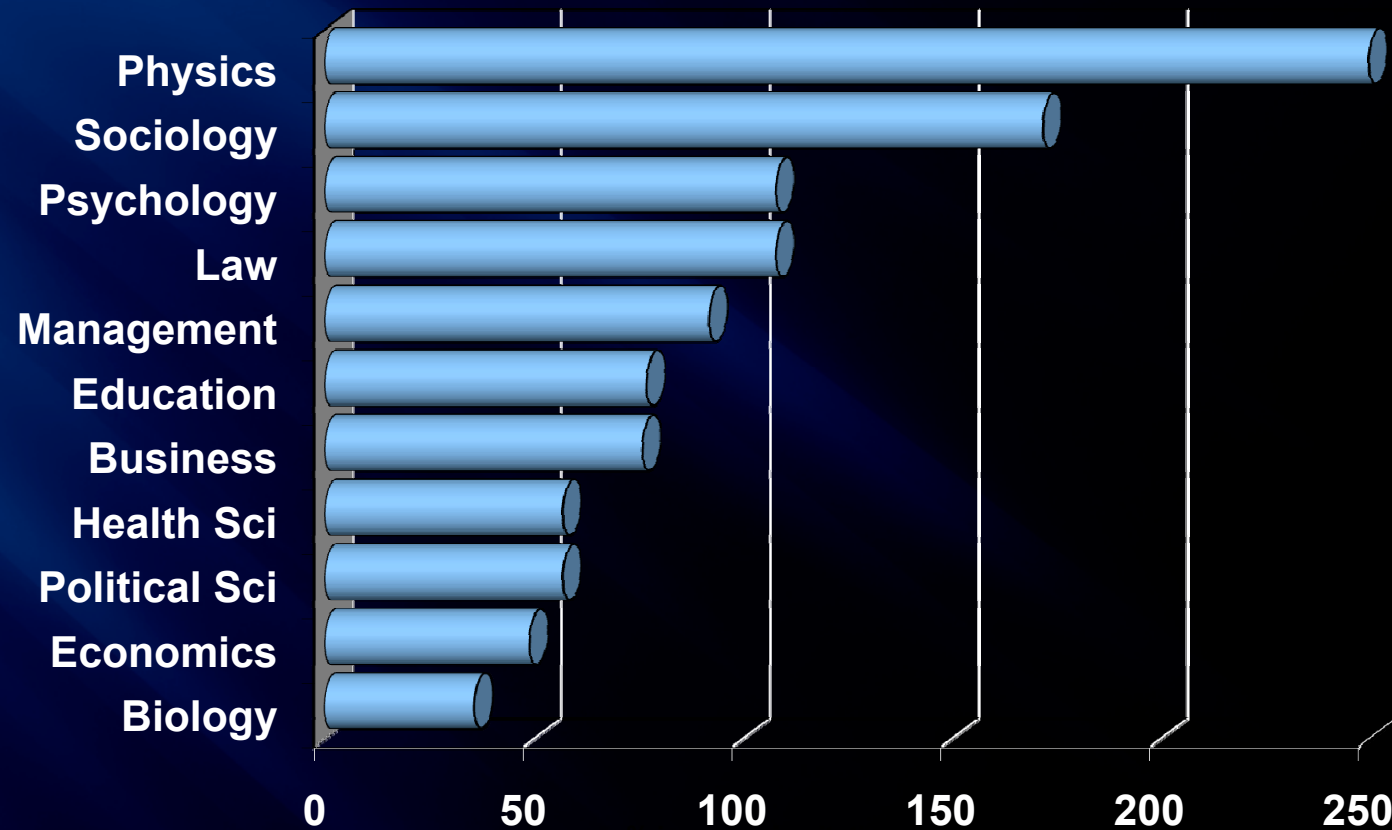
The U.Southampton conundrum

The G-Factor (universitymetrics.com)





Impact



Range = 36%-200%

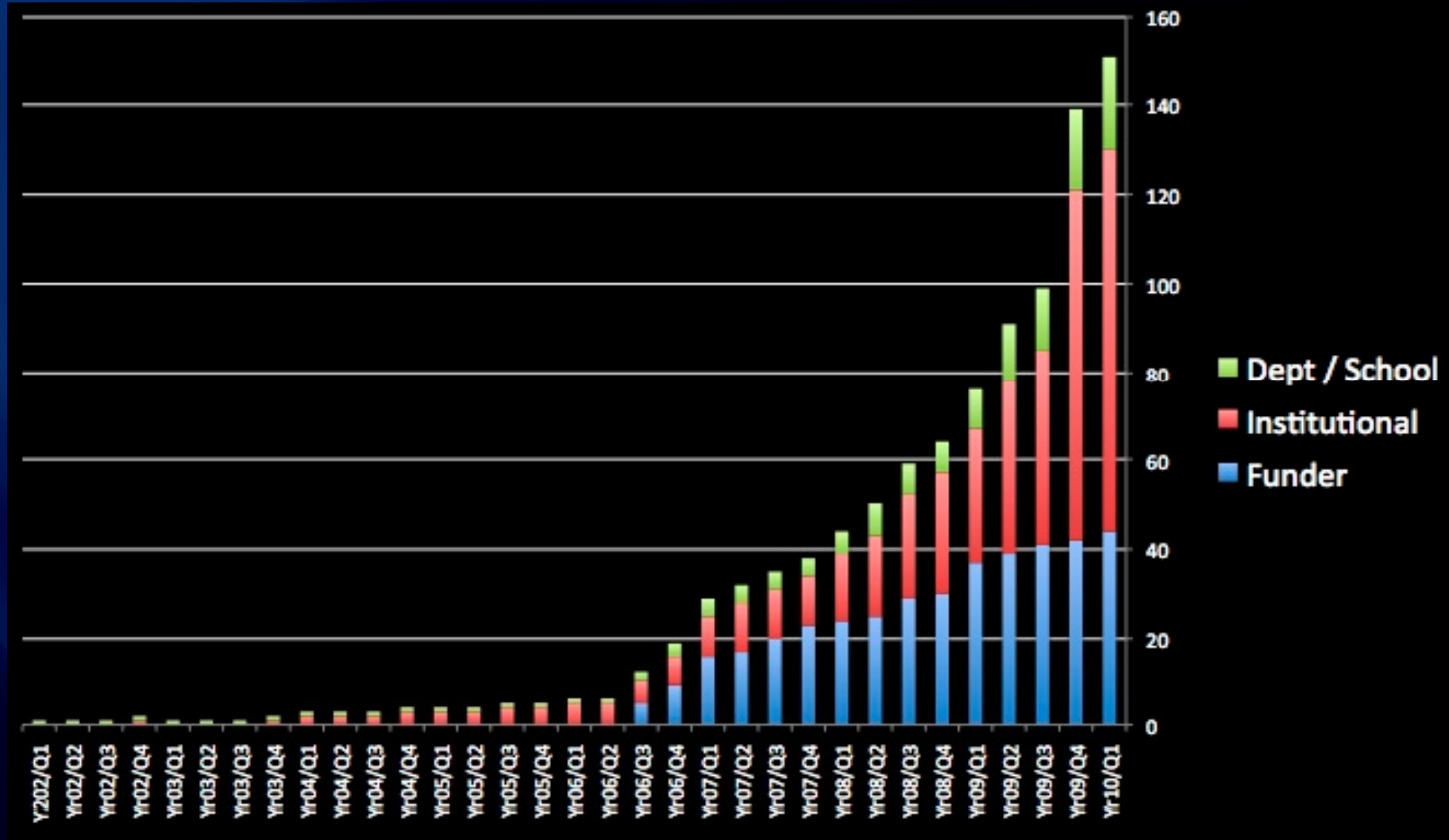
(Data: Stevan Harnad and co-workers)

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What lack of Open Access means to the University of Vienna

- ▣ Articles in 2009: 4396 articles
- ▣ Number of citations: 4084
- ▣ If all had been OA, there would have been (50% more) 6126 citations, and
- ▣ Say, the University invests €100m in research *per annum* ...
- ▣ ...this means lost impact worth €50m to the university in that period

Open Access mandatory policies



Daniel Coit Gilman

First President, Johns Hopkins University

It is one of the noblest duties of a university to advance knowledge and to diffuse it, not merely among those who can attend the daily lectures, but far and wide.

University of Edinburgh Strategic Plan 2008-12

“The mission of our University
is the creation, dissemination
and curation of knowledge.”

Resources

1. General, comprehensive resource on Open Access:

OASIS

(Open Access Scholarly Information Sourcebook)

www.openoasis.org

2. Resource for policymakers, institutional managers:

EOS

(Enabling Open Scholarship)

www.openscholarship.org

Thank you for listening

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