

Softwaring for Open Access

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(this document is available in Open Access at <http://hdl.handle.net/1822/5563>)





Contents

- Introduction
- Contextualization
- Current Situation
- The Final Cut - How can I also software for OA?



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Introduction



- Definition: Open Access (OA) means free online access to all peer reviewed articles that are published in scientific journals (Harnad 2005).
- Goal: maximize impact to foster progress (deposit, access, impact, progress)
- Two roads to achieve OA: **Green** and **Golden**



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Contextualization



- Serials' Crisis (70's-90's; Librarians' dissatisfaction);
- WWW (1991 - Tim Berners-Lee - CERN)
- Arxiv (1991 - Paul Ginsparg - LANL)
- Dissatisfaction - re-iterated requests for bringing control "Back to Academia" (90's - Ann Okerson - Yale University)
- Satisfaction - Increase Impact (90's - Stevan Harnad - Scholarly Skywriting - University of Southampton)
- OAI-PMH (1999-2001 - Carl Lagoze - Cornell & Herbert Van de Sompel - LANL)

Contextualization



- Open-source software:
 - Institutional Repositories (Eprints, DSpace, Fedora...)
 - Other: Operating Systems; Servers; DBMS; Programming environments; Software libraries
 - Journal Management Systems (OJS,...)
- Distributed Group Work



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Current Situation



- Green Road: 94% of Journals allow self-archival

(source: <http://openaccess.eprints.org/index.php?/archives/128-The-Geeks-and-the-Irrational.html>; accessed: 12/09/2006)

- Green Road: 741 OA Repositories (1);
9.013.777 records (2);

(sources: (1) <http://www.opendoar.org/>; (2) <http://www.oaister.org>; accessed: 12/09/2006)

- Golden Road: 2364 golden journals with
107,860 articles

(source: <http://www.doaj.org>; accessed: 12/09/2006)

Current Situation



- Evidence: impact increase;
- OA articles are not only more cited - they are also more rapidly cited

(Brody et al., 2005; Swan, 2006)

- User studies:
 - >90% scholars say they publish their work to communicate their research results to peers
 - 81% of scholars say they would comply to a mandate

(Swan, 2006)

Close Enough: University of Minho



Consultas e downloads - Total

Consultas	Downloads
230999	292377

(since 01/01/2006
to 12/09/2006)

Médias por documento

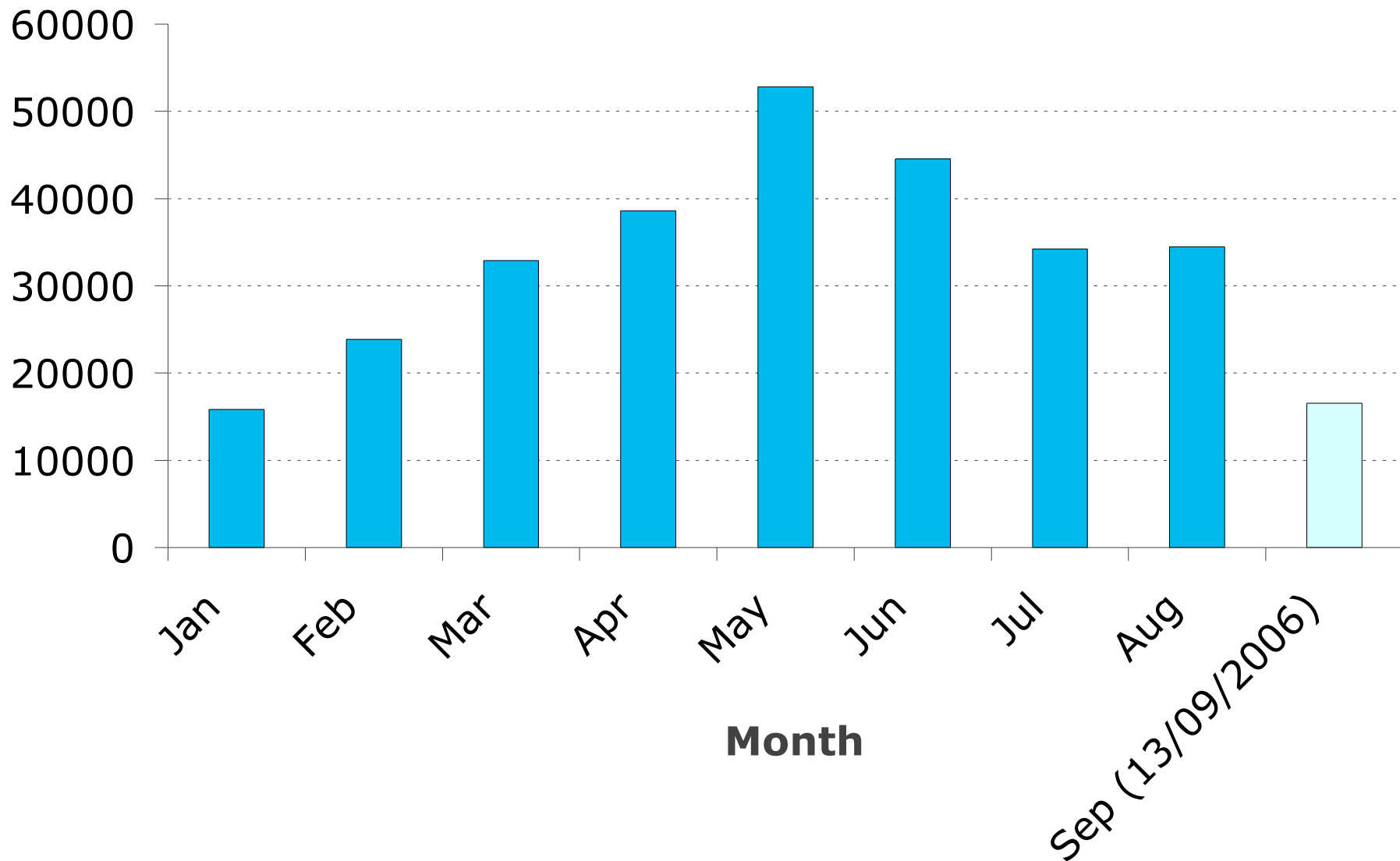
Docs	Consultas	Downloads
4622	50.0	63.3

Por Origem

Origem	Consultas	Downloads
 Portugal	99349	127369
 Brazil	57459	83177
 Universidade do Minho	42544	20628
 United States	4558	7510
 India	1759	5723
 China	1025	3557
 Spain	2269	3242
 United Kingdom	1726	3044
 -



Number of Downloads/Month





Still...

... only **15%** of scholars self-archive!!!

... average number of article in an institutional repository is **297**

Why???



Myths regarding OA

34 Myths listed in Harnad's self-Archiving FAQ organised accordingly to the following categories:

1. Copyright
2. Peer review
3. Sitting Pretty
4. Preservation
5. Learned Societies' future
6. Publishers' future
7. University conspiracy
8. Priority
9. Plagiarism



Solutions

- Mandates (Institutional, Funding Agencies,...)
- Softwares:
 - Further user studies (not “why don’t”, but “why do” they self-archive?)
 - Evidence of impact (statistics, scientometric studies...)
 - Create the habit (start by distributing benefits to those who self-archive)
 - Word-of-mouth



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The Final Cut



1. **Do it yourself!**
2. **Spread the word:** tell others you already do it!: on your **citation** information, on your **talks**, on your **Web page**, on your **classes**.
3. **Spread the word:** talk about it to your institution's managers, to your funding bodies, etc.

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Questions & Co.



Thank you!!!

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