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## Facts about Open Access

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## Facts about Open Access

Bo-Christer Björk  
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### Abstract

In this presentation, I talk about the premise and potential of Open Access publishing for a distributed community of scholars. This presentation was made in Twenty Ninth International Conference on Information Systems, Paris 2008, as part of a panel on "Open Access Publishing and the Future of Information Systems Research." The panel description is available in ICIS 2008 Proceedings at: <http://aisel.aisnet.org/icis2008/126/> and the other presentations are available through the following: <http://sprouts.aisnet.org/8-35/>

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# Facts about Open Access

Bo-Christer Björk  
HANKEN School of Economics, Finland  
Presentation at the Open Access Panel Discussion  
ICIS 2008 Conference Paris  
December 2008



# OA to the peer reviewed journal literature



- Direct Open Access
  - Published as OA from the start
  - Delayed OA
  - Article Specific Open Access

- Copies available OA on the web
  - Author's home pages
  - Institutional repositories
  - Subject-based repositories



# How Open Access journals emerge



- New OA journals are founded
  - Individual efforts (ITcon, First Monday ...)
  - Non-profit Publishers (PLoS)
  - Commercial Publishers (BioMedCentral)
- Gradual change via "Open Choice"
- Existing journals "flip" business model



# OA Journals without charges



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## Archives

2008

### Vol 35 (2008)

Volume 35 of EJISDC contains 9 papers and one book review.

In the first paper, Driss Kettani (Al Akhawayn University, Morocco), Bernard Moulin (Universite Laval, Canada), Michael Gurstein (CCIRDT, Canada) and Asmae El Mahdi (Al Akhawayn University, Morocco) describe how they are working towards building a sustainable pilot E-Government system for the ancient city of Fez in Morocco. In particular, they focus on the interplay of governance and e-government, and illustrate how 'outcome analysis' helps to achieve good governance in e-government.

In the second paper, Heejin Lee (Yonsei University, South Korea), Seunakwon Iana (Sunakonghoe University, South Korea), Kwonamin

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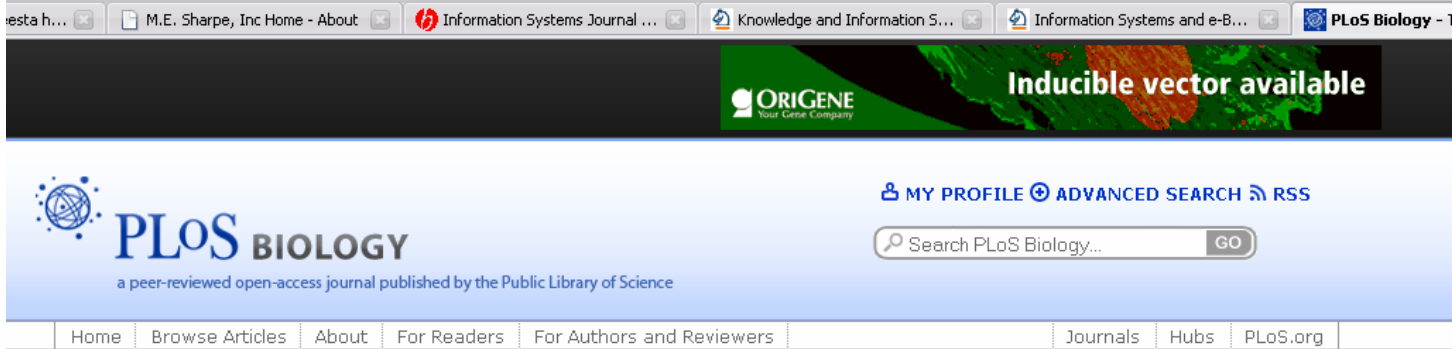
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INFORMATION

- Neither reader nor author charges
- OJS Open Source platform common
- Usually born digital
- seldom ISI indexed



# OA journals financed with author charges



## RESEARCH ARTICLE



### The Pervasive Effects of an Antibiotic on the Human Gut Microbiota, as Revealed by Deep 16S rRNA Sequencing

Les Dethlefsen<sup>1,2</sup>, Sue Huse<sup>3</sup>, Mitchell L. Sogin<sup>3</sup>, David A. Relman<sup>1,2,4\*</sup>

**1** Department of Microbiology and Immunology, Stanford University, Stanford, California, United States of America, **2** Department of Medicine, Stanford University, Stanford, California, United States of America, **3** Josephine Bay Paul Center for Comparative Molecular Biology and Evolution, Marine Biological Laboratory, Woods Hole, Massachusetts, United States of America, **4** Veterans Affairs Palo Alto Health Care System, Palo Alto, California, United States of America

The human intestinal microbiota is essential to the health of the host and plays a role in nutrition, development, metabolism, pathogen resistance, and regulation of immune responses. Antibiotics may disrupt these coevolved interactions, leading to acute or chronic disease in some individuals. Our understanding of antibiotic-associated disturbance of the microbiota has been limited by the poor sensitivity, inadequate resolution, and significant cost of current research methods. The use of pyrosequencing technology to generate large numbers of 16S rDNA sequence tags circumvents these limitations and has been shown to reveal previously unexplored aspects of the "rare biosphere." We investigated the distal gut

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- Impact Factor 13,5
- (No 1 of 71 Biology journals)
- Submission to publishing time 6 months

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# Article Specific Open Access



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	Bartel Van de Walle and Murray Turoff	
	PDF (318.0 KB) HTML <b>Open Access</b>	

6 Articles

- Knowledge and Information Systems
- Springer Open Choice = 3000 USD
- Single article open in otherwise restricted access journal

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All journals in a field flip model at the same time !!



**SCOAP<sup>3</sup> - Sponsoring Consortium for Open Access**  
**Towards Open Access publishing in High Energy Physics**

in Particle Physics  
**SCOAP<sup>3</sup>**

A consortium facilitates Open Access publishing in High Energy Physics by re-directing subscription money. This answers the request of the High Energy Physics community.

**Today:** (funding bodies through) libraries buy journal subscriptions to support the peer-review service and allow their patrons to read articles.

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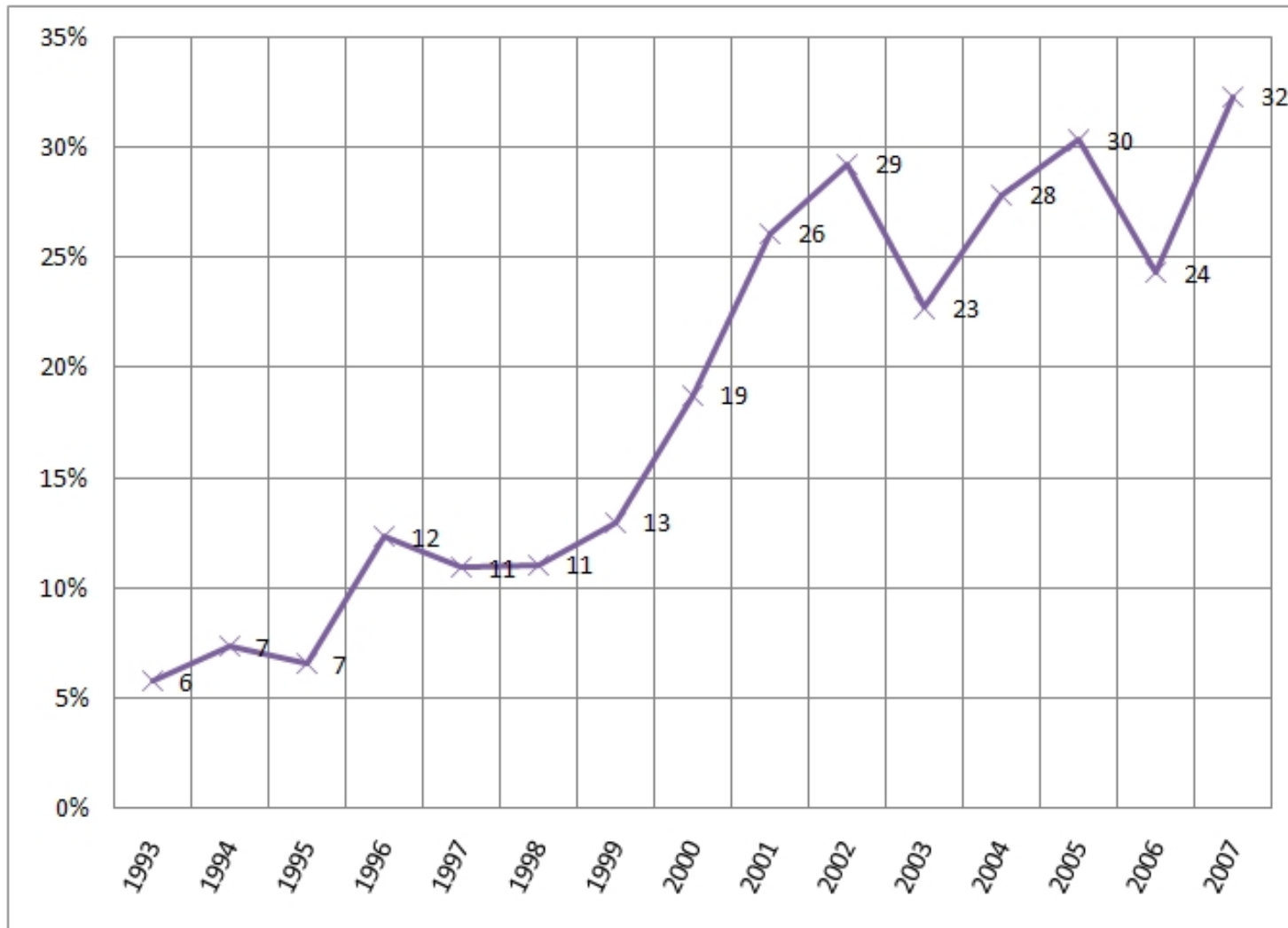
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# Percentage OA journals of all newly founded scientific journals



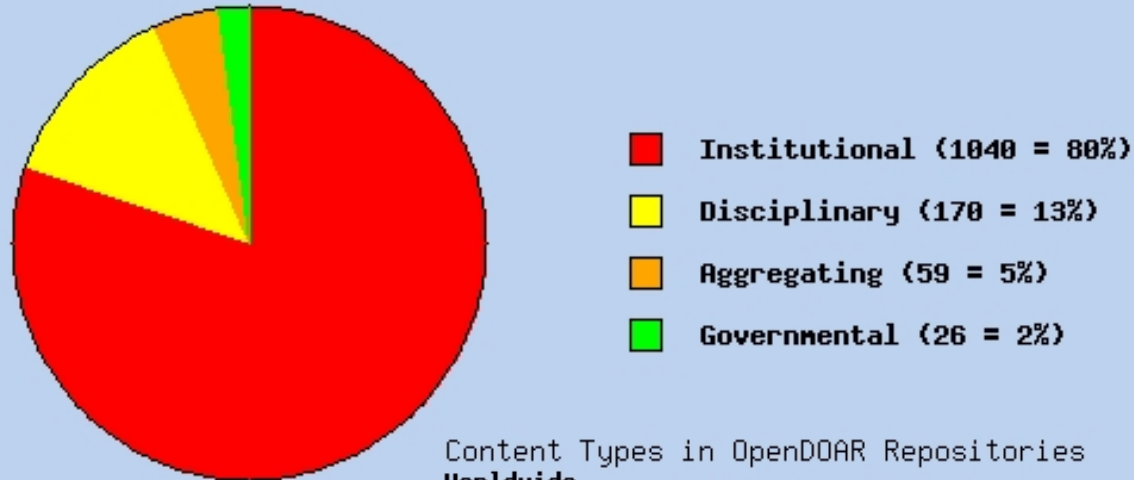
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# Repository overview

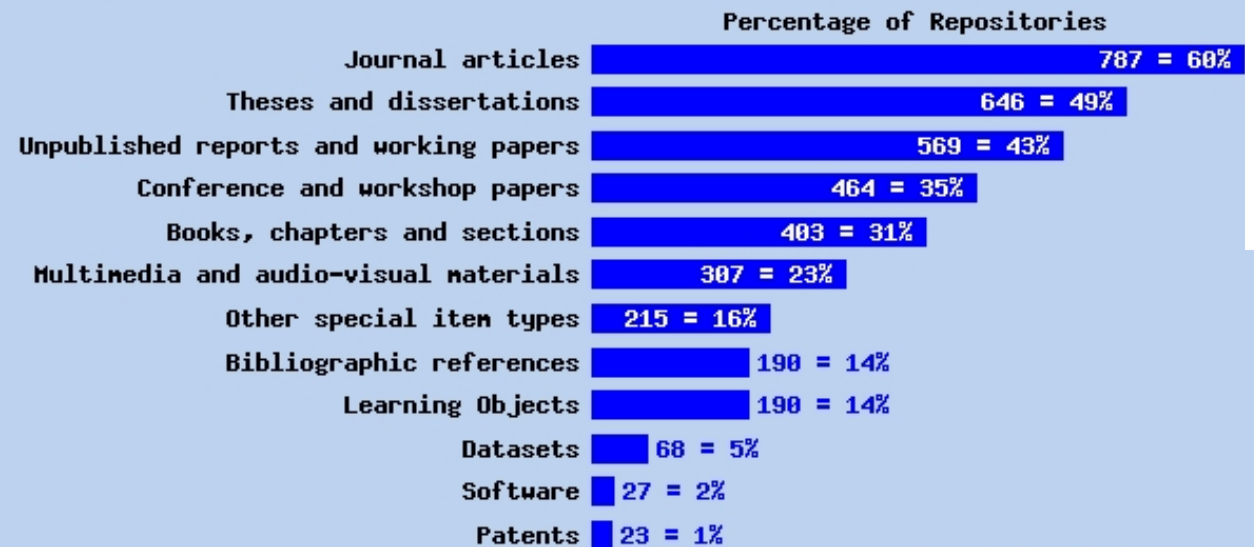


Open Access Repository Types  
Worldwide



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Content Types in OpenDOAR Repositories  
Worldwide



Total = 1295 repositories

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Bo-Christer Björk, HANKEN School of E



# Disciplinary Repositories and the article lifecycle



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BETA

*RePEc*



- Preprint
  - Submitted manuscript
  - Working paper
- Postprint, personal version
- Postprint, publishers copyedited version

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# Example disciplinary repository



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#	details	full text	citat
1.		Flood, Ian; Issa, Raja R.A.; Mutis, Ivan (2006) <a href="#">A Virtual R Construction Concepts</a> , <a href="http://itc.scix.net/cgi-bin/works">http://itc.scix.net/cgi-bin/works</a>	
2.		Cox, Robert F. (2006) <a href="#">The Use of Project Specific Websi</a> /works/Show?809f	
3.		Al-Hussein, Mohamed; Hammad, Amin; Wang, Hui; Zhang, <a href="#">Operation in Virtual Environment</a> , <a href="http://itc.scix.net/cgi">http://itc.scix.net/cgi</a>	
4.		Fahdah, Ibrahim; Tizani, Walid (2006) <a href="#">Virtual Collaborati Agents</a> , <a href="http://itc.scix.net/cgi-bin/works/Show?18e2">http://itc.scix.net/cgi-bin/works/Show?18e2</a>	
5.		El-Ammari, Khaled; Hammad, Amin; Khabir, Bechir ; Mozaff <a href="#">Issues in Large-Scale Location-Based Facilities Mana</a> /Show?dc69	
6.		Fletcher, Desmond; Shiratuddin, Mohd Fairuz (2006) <a href="#">Deve Commercialization Park Virtual Reality Environment</a> , I	
7.		Shiratuddin, Mohd Fairuz; Sulbaran, Tulio (2006) <a href="#">A Propos Design and Installation of Electrical Systems</a> , <a href="http://it">http://it</a>	

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  - on the author's own website or his **institution's or funding body's online repository/archive**
  - must be **delayed until 24 months** after first online publication
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  - **a link must be provided to the definitive, published version** on the journal's web site.



# What does this mean in practice?



European Journal of Information Systems - Abstract of article: An empirical study on Web-based services and customer loyalty - Mozilla Firefox

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**Article**

*European Journal of Information Systems* (2006) 15, 527-541. doi:10.1057/palgrave.ejis.3000652

**An empirical study on Web-based services and customer loyalty**

Samuel Otim<sup>1</sup> and Varun Grover<sup>1</sup>

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Received 31 August 2004; Revised 1 July 2006; Accepted 18 October 2006.

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# OA situation for 2006 articles



- **Direct Open Access = 8,1 %**
  - Published as OA from the start ( 4,6 %)
  - Delayed OA ( 3,5 %)
  - Article Specific Open Access (< 0,1 %)
  
- **Copies available OA on the web 11,2 %**
  - Author's home pages
  - Institutional repositories
  - Subject-based repositories





# OA situation in IS



- Half a dozen OA journals but not from the top tier
  - Austral-Asian Journal of Information Systems
  - Electronic Journal of Information Systems Evaluation
  - The Electronic Journal of Information Systems in Developing Countries
  - IBM Systems Journal
  - International Journal of Interoperability in Business Information Systems
  - Journal of Information, Information Technology and Organizations
  - Journal of Theoretical and Applied Electronic Commerce Research
- Publishers of top IS journals have rather restrictive copyright rules concerning repository copies



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- <http://www.oacs.shh.fi/publications.html>
- <http://www.earlham.edu/~peters/fos/overview.htm>



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