

Trends in scholarly publishing ETH Zurich information event organised by ETH-Bibliothek and VMI, 5 February 2013

Presentation

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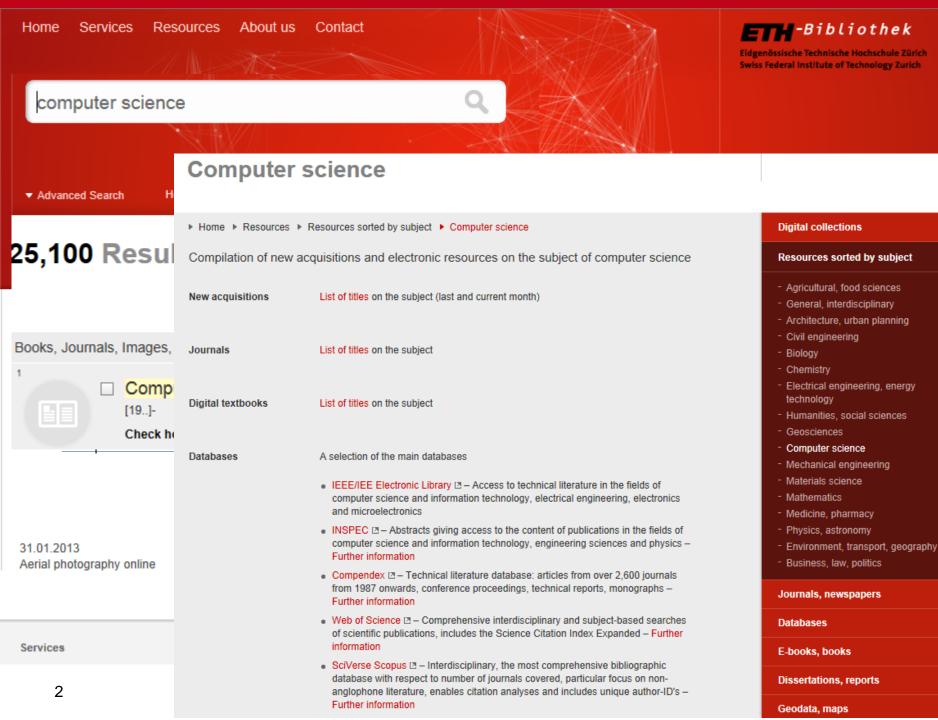
TRENDS IN SCHOLARLY PUBLISHING

ETH Zurich Information Event organised by ETH-Bibliothek and VMI 5 February 2013

Dr. Arlette Piguet Barbara Hirschmann ETH-Bibliothek







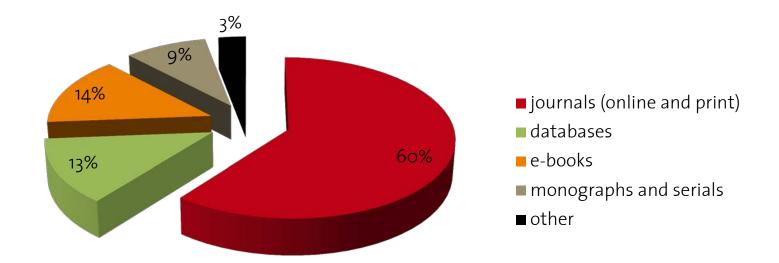
RESOURCES AND DOCUMENTS HELD BY THE ETH-BIBLIOTHEK

Collections: Architecture, Civil Engineering, Engineering Sciences, Natural Sciences and Mathematics, System-oriented Natural Sciences, Management and Social Sciences

Journals	electronic format current, printed format	13 900 5 330
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Maps	incl. plans	402 000



ACQUISITIONS BUDGET OF THE ETH-BIBLIOTHEK



JOURNAL PRICES



Journal of applied polymer science



Impact Factor: 1.3

=



Science



Impact Factor: 31,2

=





Journal of non-crystalline solids



Impact Factor: 1.54

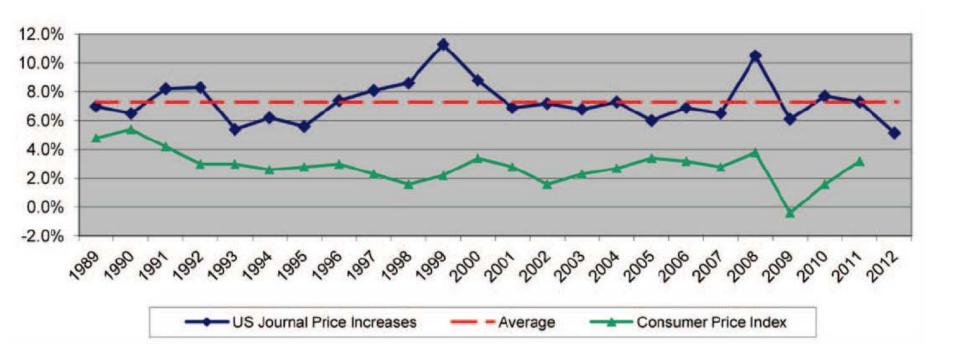
\$

ETH-Bibliothek

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

5

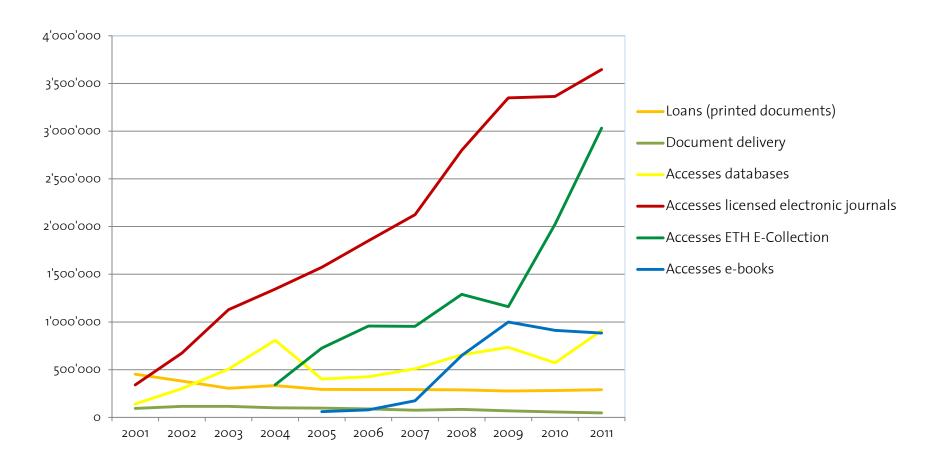
THE SERIALS CRISIS



Annual US journal price increases compared to Consumer Price Index (CPI). Source: http://allenpress.com/system/files/pdfs/library/2012_AP_JPS.pdf



USAGE OF PRODUCTS OF THE ETH-BIBLIOTHEK



THE COST OF KNOWLEDGE

The Cost of Knowledge

13215 Researchers Taking a Stand. See the list

Academics have protested against Elsevier's business practices for years with little effect. These are some of their objections:

- They charge exorbitantly high prices for subscriptions to individual journals.
- 2. In the light of these high prices, the only realistic option for many libraries is to agree to buy very large "bundles", which will include many journals that those libraries do not actually want. Elsevier thus makes huge profits by exploiting the fact that some of their journals are essential.
- They support measures such as SOPA, PIPA and the Research Works Act, that aim to restrict the free exchange of information.

The key to all these issues is the right of authors to achieve easily-accessible distribution of their work. If you would like to declare publicly that you will not support any Elsevier journal unless they radically change how they operate, then you can do so by filling in your details on this page.

More information:

- Statement of Purpose
- PolyMath journal publishing reform page

Read our blog, and follow the boycott on Twitter here.



Please email me if you have any questions about this page.

about us

Source: http://thecostofknowledge.com/



OPEN ACCESS: STATEMENTS, QUESTIONS AND FIERS

«We are in the hands of the publishers.» (Umfrage ETH-Bibliothek, 2012)

Why should I publish open access?

How works peer review with open access?

With open access copyright is in danger.

Who pays for an open access publication?

Who is responsible for quality control for open access publications?

How can an open access publications reach a suitable reputation?

«Es darf nicht zum Zwang werden, man sollte die Wahl haben.»

(Umfrage ETH-Bibliothek, 2012)

«Ein Artikel muss im Web of Science zitiert werden, sonst ist es verlorene Literatur.» (Umfrage ETH-Bibliothek, 2012—19-Bibliothek

OPEN ACCESS

What is Open Access?

accessible

without costs for the reader

«Open access [...] literature is digital, online, free of charge, and free of most copyright and licensing restrictions.»

(Peter Suber, 2012)

possibility to reuse

© creative commons

- Download
- Copy
- Distribute
- Print
- Search
- ..

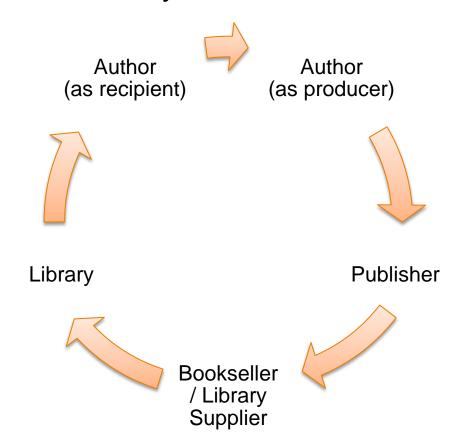


Der freie Zugang zu wissenschaftlicher Information

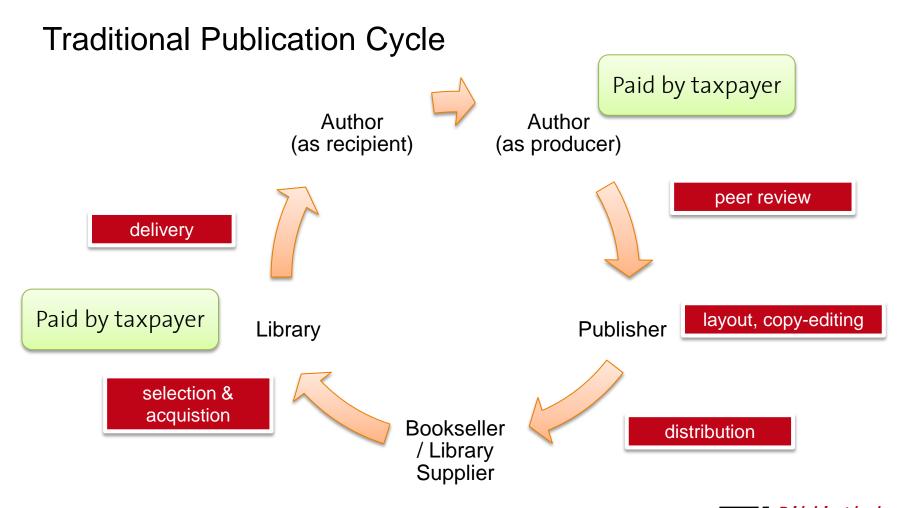


OPEN ACCESS

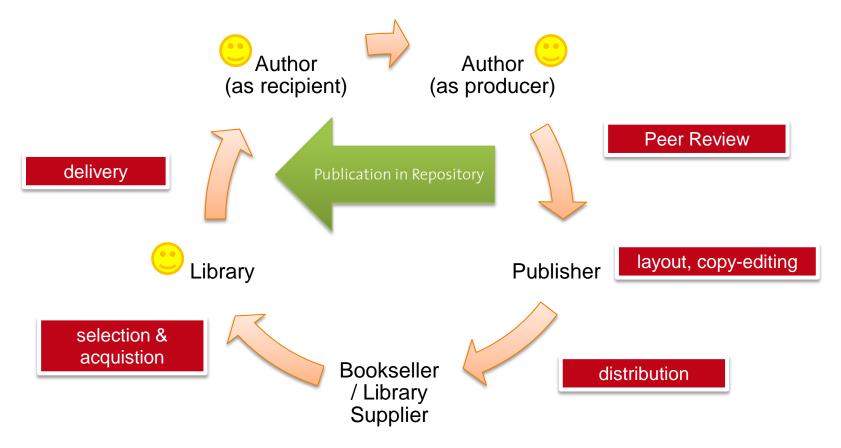
Traditional Publication Cycle



OPEN ACCESS



Open Access – The Green Road





Self-Archiving in Open Access repositories

Institutional Repository

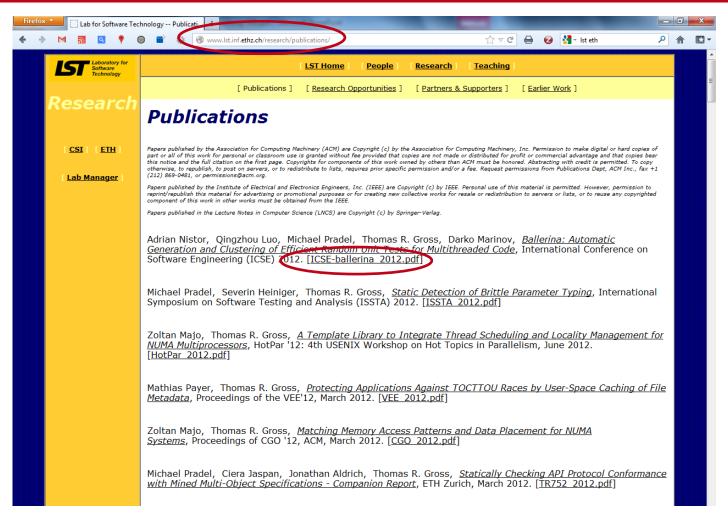


Disciplinary Repository

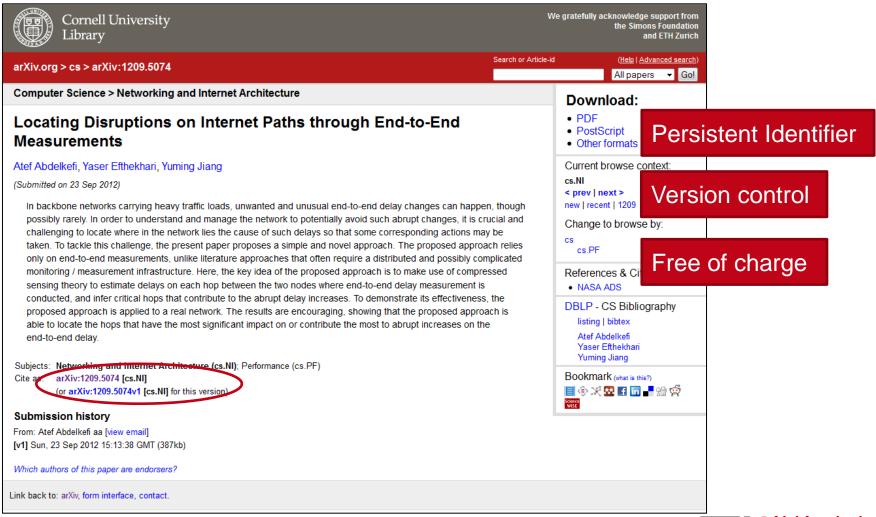
arXiv.org

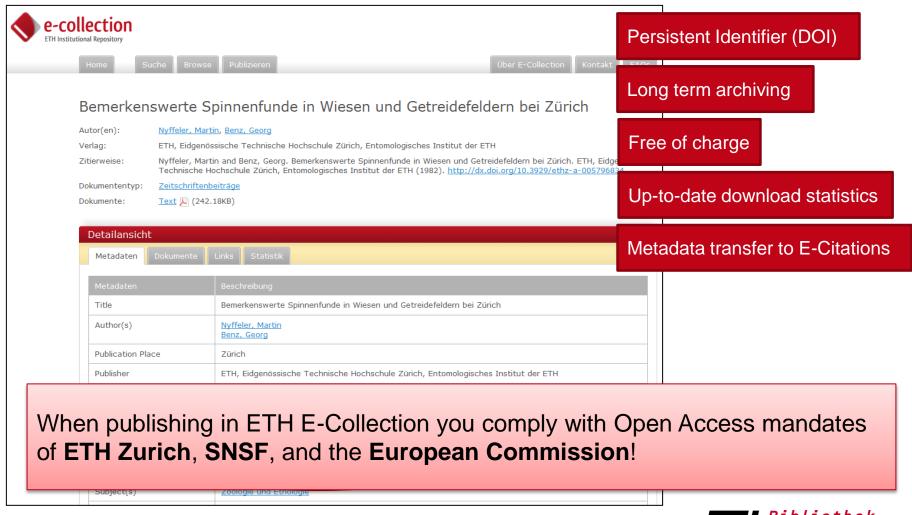
- Physics
- Mathematics
- Computer
 Science
- Quantitative Biology
- Quantitative Finance
- Statistics

OpenDOAR (Directory of Open Access Repositories)









Publishing in Open Access Journals

Quality Control (Peer Review)

- Different funding mechanisms
 - Article Processing Charges

Author retains Copyright (standard licence: <u>CC-BY</u>)

Open Access – The Golden Road

1. Choose a Journal



- 2. Avoid publishing with predatory OA Publishers:
 - Beall's List: http://scholarlyoa.com/publishers/
 - OASPA: Open Access Scholarly Publishers Association

Forum of Mathematics, Pi

\$ 500,
| \$ 800,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,| \$ 1760,-

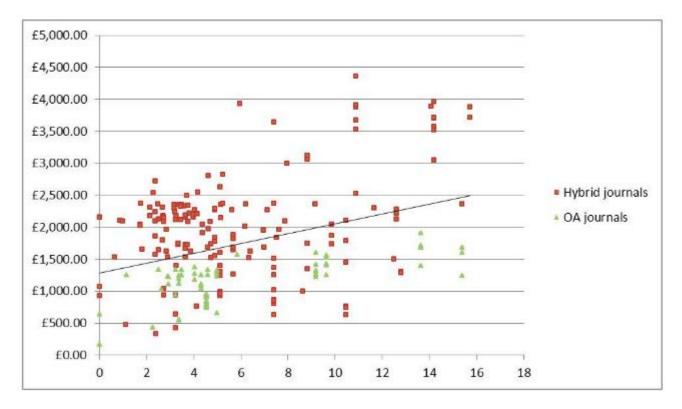
- Research Funds
- ETH Zurich memberships





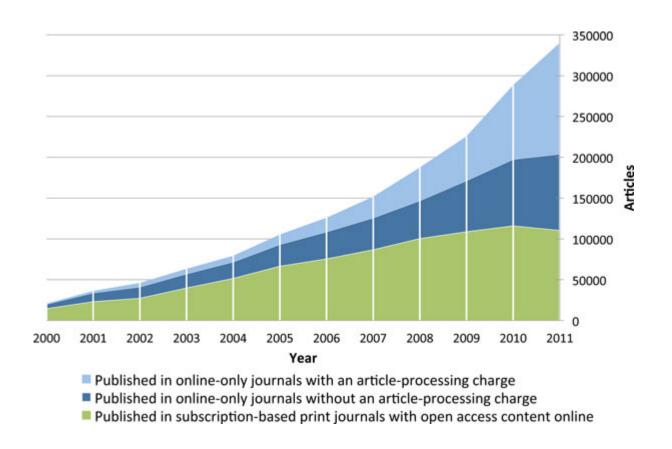
- Open Access Option («Hybrid Journals»): Not financed by ETH Zurich!
 - e.g. Springer Open Choice, Elsevier Sponsored Articles, Wiley Online Open,





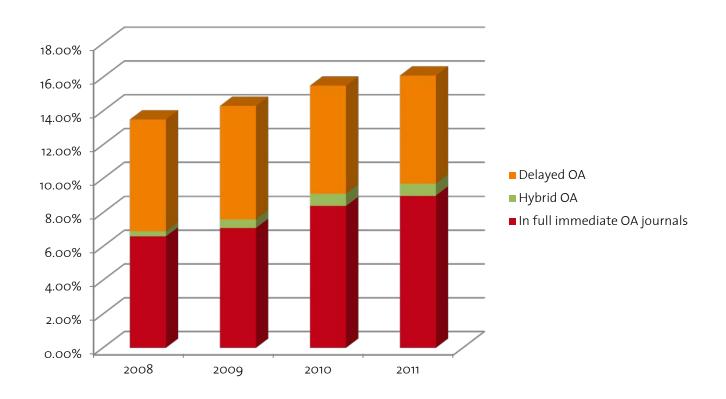
Correlation of APCs with Journal's Impact Factor Source: Theo Andrew (2012): Gold Open Access: Counting the Costs, http://www.ariadne.ac.uk/issue70/andrew.





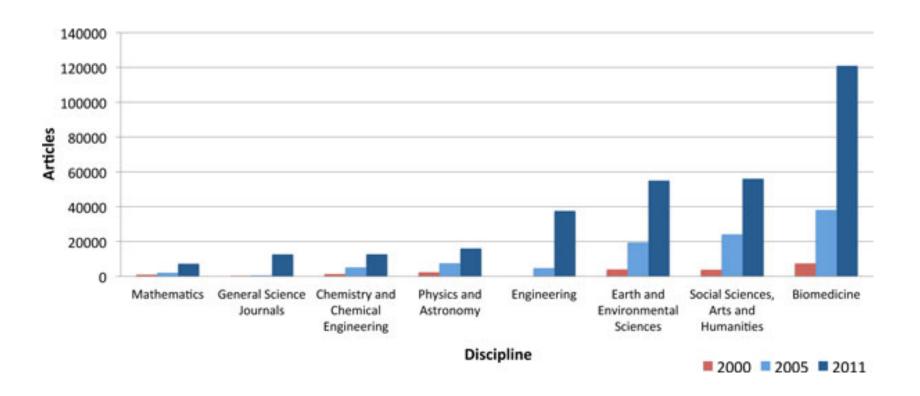
Source: Laakso and Björk BMC Medicine 2012, 10:124 doi:10.1186/1741-7015-10-124





Source: based on Laakso and Björk BMC Medicine 2012, 10:124 doi:10.1186/1741-7015-10-124





Source: Laakso and Björk BMC Medicine 2012, 10:124 doi:10.1186/1741-7015-10-124

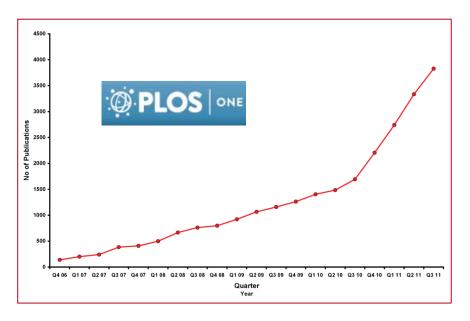


Current Developments

- Great Britain
 - Research Councils UK: direct funding to Universities for financing APCs from 2013
- European Union
 - Horizon 2020: Possibility for funding of Article Processing Charges after project ends



New Publishing Models: Megajournals



Source: MacCallum CJ (2011) Why *ONE* Is More Than 5. PLoS Biol 9(12): e1001235. doi:10.1371/journal.pbio.1001235





New Publishing Models







The Open Access Movement & ETH

2002 Budapest Open Access Initiative

2003 Berlin Declaration on Open Access to Scientific Knowledge

2006 ETH Zurich signs Berlin Declaration

2008 ETH Zurich adopts Open Access Policy



ETH Zurich Open Access Policy (2008)

"The ETH Zurich requires of staff and postgraduate students to post electronic copies of any research papers that have been accepted for publication in a peer-reviewed journal (post-prints), theses and other scientific research output (monographs, reports, proceedings, videos etc.), to be made freely available as soon as possible into the institutional repository ETH E-Collection, if there are no legal objections. The ETH Zurich expects authors where possible, to retain their copyright. For detailed information see the rules of the ETH E-Collection."

"The ETH Zurich encourages their researchers to publish in a suitable Open Access journal where one exists and will cover a part of the publication costs."

www.open-access.ethz.ch



Open Access in EU-funded projects

- FP7: Open-Access pilot
- Grant agreements in seven areas contain special clause 39
 «Open Access»
- Articles originating from these projects must be deposited to an online repository latest 6 / 12 months after publication (sciences / social sciences & humanities)
- Article Processing Charges are eligible (limited to duration of project)

Open Access Mandates – Current Developments

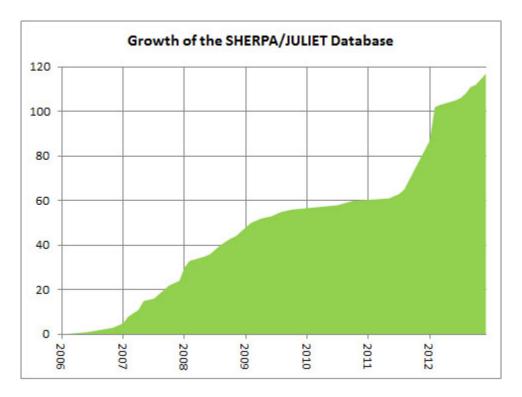
European Union:

 from OA pilot in FP7 to OA mandate in Horizon 2020

United States:

NIH to withhold grant money to enforce OA policy





Quelle: http://www.sherpa.ac.uk/news/2012-12-12-JULIET-Upgrade.html [17.12.2012]



COPYRIGHT

Self-Archiving

What is allowed?

How do I retain my rights?

COPYRIGHT

"ETH Zurich requires of staff and postgraduate students to post electronic copies of any research papers ["...] into the institutional repository ETH E-Collection, if there are no legal objections."

- Publishers usually allow some sort of self-archiving
- Where to look it up?
 - Copyright Transfer Agreement
 - SHERPA/RoMEO Database





Publisher copyright policies & self-archiving

One journal found when searched for: 1019-7168

Journal: Advances in Computational Mathematics (ISSN: 1019)

RoMEO: This is a RoMEO green journal

Paid OA: A paid open access option is available for this journal.

Author's Pre-print: 🗸 author can archive pre-print (ie pre-refereeing)

Author's Post-print: author can archive post-print (ie final draft post-refereeing)

Publisher's Version/PDF: 🗶 author cannot archive publisher's version/PDF

General Conditions:

- Authors own final version only can be archived
- Publisher's version/PDF cannot be used
- On author's website or institutional repository
- On funders designated website/repository after 12 month?
- · Published source must be acknowledged
- Must link to publisher version
- Set phrase to accompany link to published version (The c
- Articles in some journals can be made Open Access on g

Mandated OA: Compliance data is available for 51 funders

Paid Open Access: Open Choice

Copyright: example copyright transfer statement - NIH Policy - Self-archiving Policy

Updated: 25-Nov-2010 - Suggest an update for this record

Link to this page: http://www.sherpa.ac.uk/romeo/issn/1019-7168/

Published by: Springer Verlag (Germany) - Green Policies in RoMEO

Which format?

Usually Postprint
 (= author's manuscript
 after peer review)

When?

 Possible embargos between 2 and 24 months

Where?

Author's website

Institutional repository

Disciplinary repository

)m)

This summary is for the journal's default policies, and changes or exceptions can often be negotiated by All information is correct to the best of our knowledge but should not be relied upon for legal advi

COPYRIGHT

"The ETH Zurich expects authors where possible, to retain their copyright."

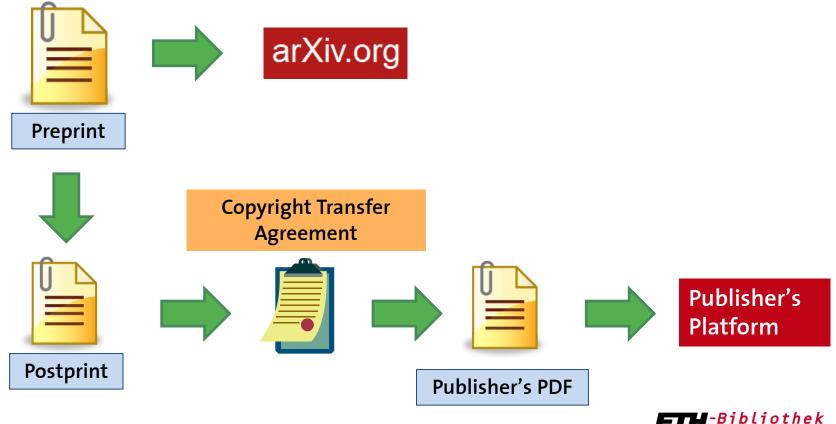
What does this mean?

- Read the publication agreement with great care
- Transferring copyright doesn't have to be all or nothing
- Publishing agreements are negotiable
- Use the <u>SPARC author addendum</u>



COPYRIGHT

What does it mean for Preprints?



THE FUTURE OF PUBLISHING

A Vision for the future?

Björn Brembs, Professor of Neurobiology, University of Regensburg



Is a publishing system without journals feasible?

- Peer Review?
- Prestige?
- Impact Factor?

My Digital Utopia:

Technically feasible today (almost)

- No more corporate publishers libraries archive everything and make it publicly accessible according to a world-wide standard
- Single semantic, decentralized database of <u>literature</u>, <u>data</u> <u>and</u> <u>software</u>

Source:

http://de.slideshare.net/brembs/some-technical-hurdles-towards-open-science



THE FUTURE OF PUBLISHING

Overlay Journals



The «Episciences Project» (ArXiv Overlay Journals)

"It's a global vision of how the research community should work: we want to offer an alternative to traditional mathematics journals." Jean-Pierre Demailly, Université de Grenoble

CHALLENGES REMAIN...

- Open Access publishing is developing steadily, but slowly
- The financial aspects of Gold Open Access are not solved
 - Can financial savings be achieved?
 - Who will finance additional costs during the "transition period"
 - Can the power of the big publishers be cut down?
- Green Open Access probably not to become a standard if it does not come with strong enforcement mechanisms



CONTACTS

www.open-access.ethz.ch http://e-collection.library.ethz.ch

e-publishing@library.ethz.ch

