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From the Selected Works of Lee C. Van Orsdel

2012

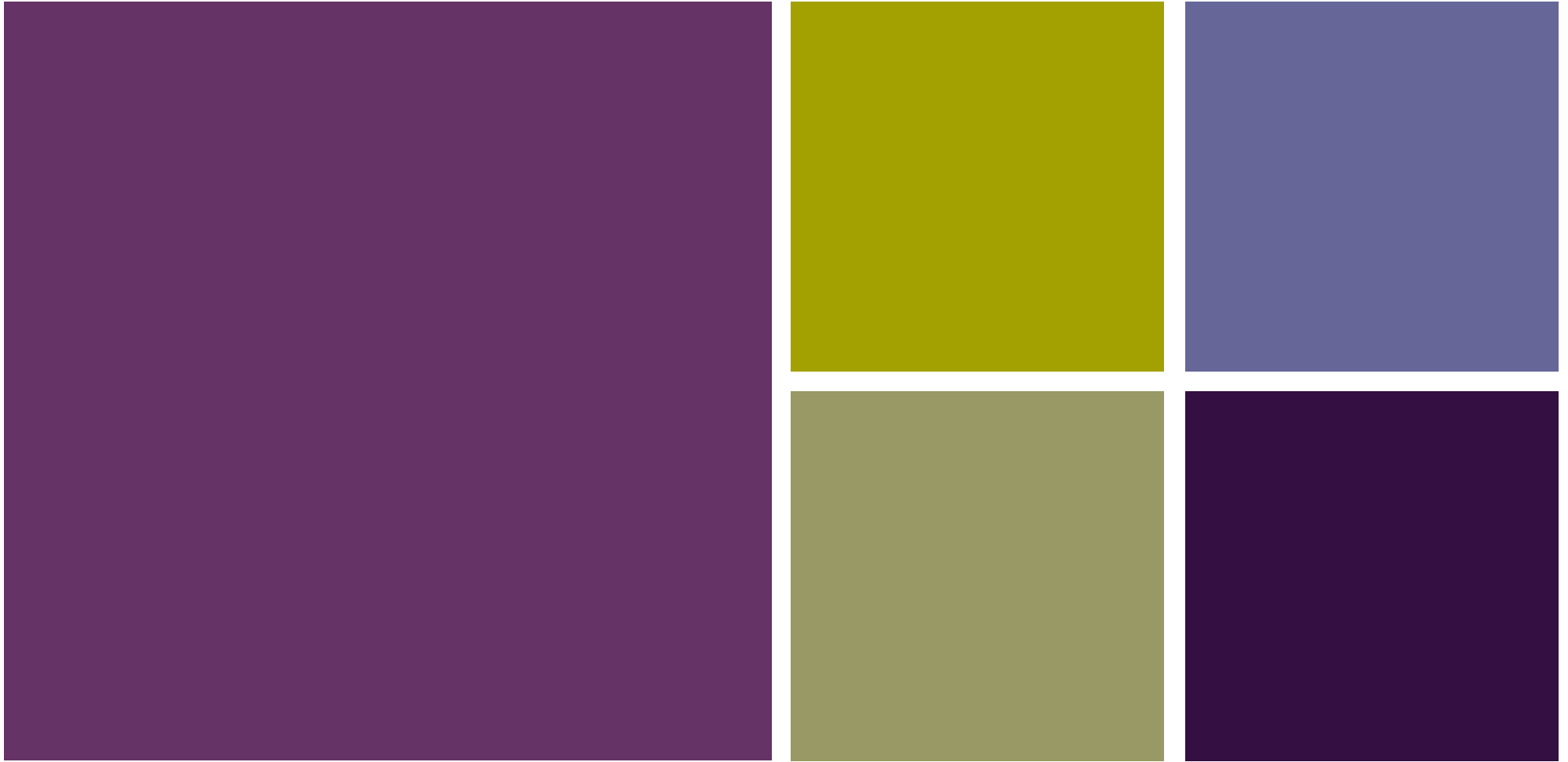
Increasing our Impact: The Case for Open Access

Lee C. Van Orsdel, *Grand Valley State University*

Julie Garrison, *Grand Valley State University*



Available at: https://works.bepress.com/lee_vanorsdel/23/



Increasing our impact: the case for open access

Lee Van Orsdel
Julie Garrison
Grand Valley State University

Grand Valley State University



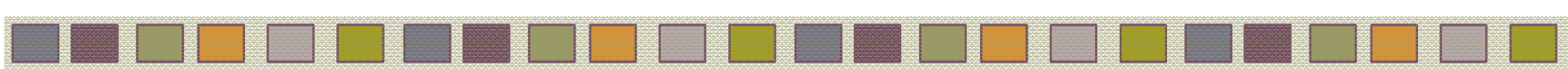
2012
ACRL Excellence in
Academic Libraries
Award



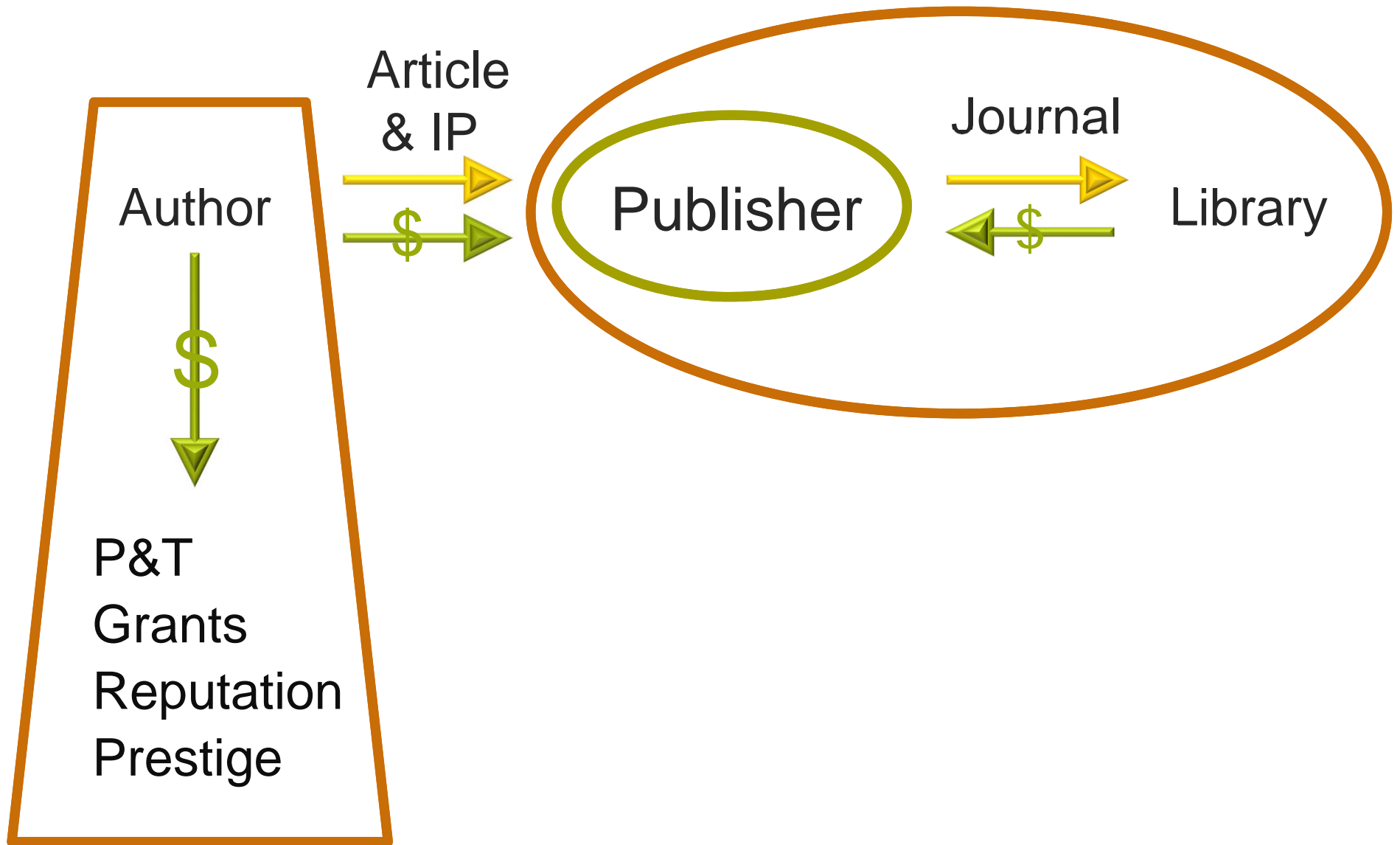
the lifecycle of scholarship



normal economy



prestige economy



wholesale transfer of rights



creates scarcity



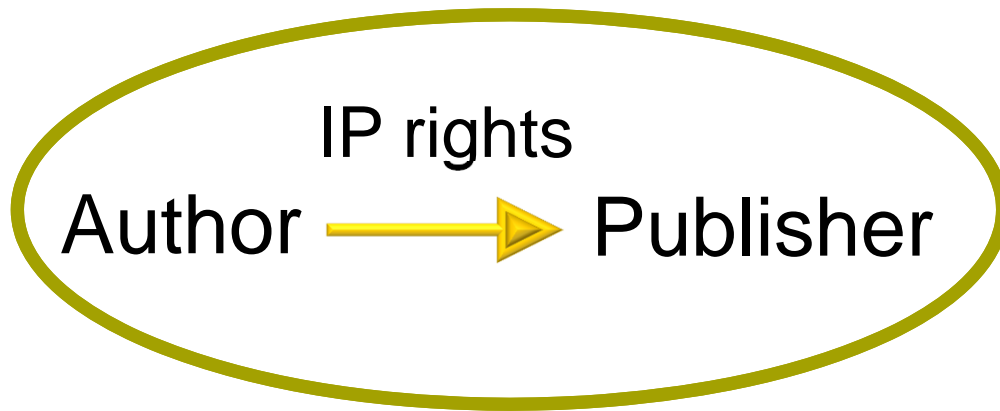
drives prices up



High price limits access

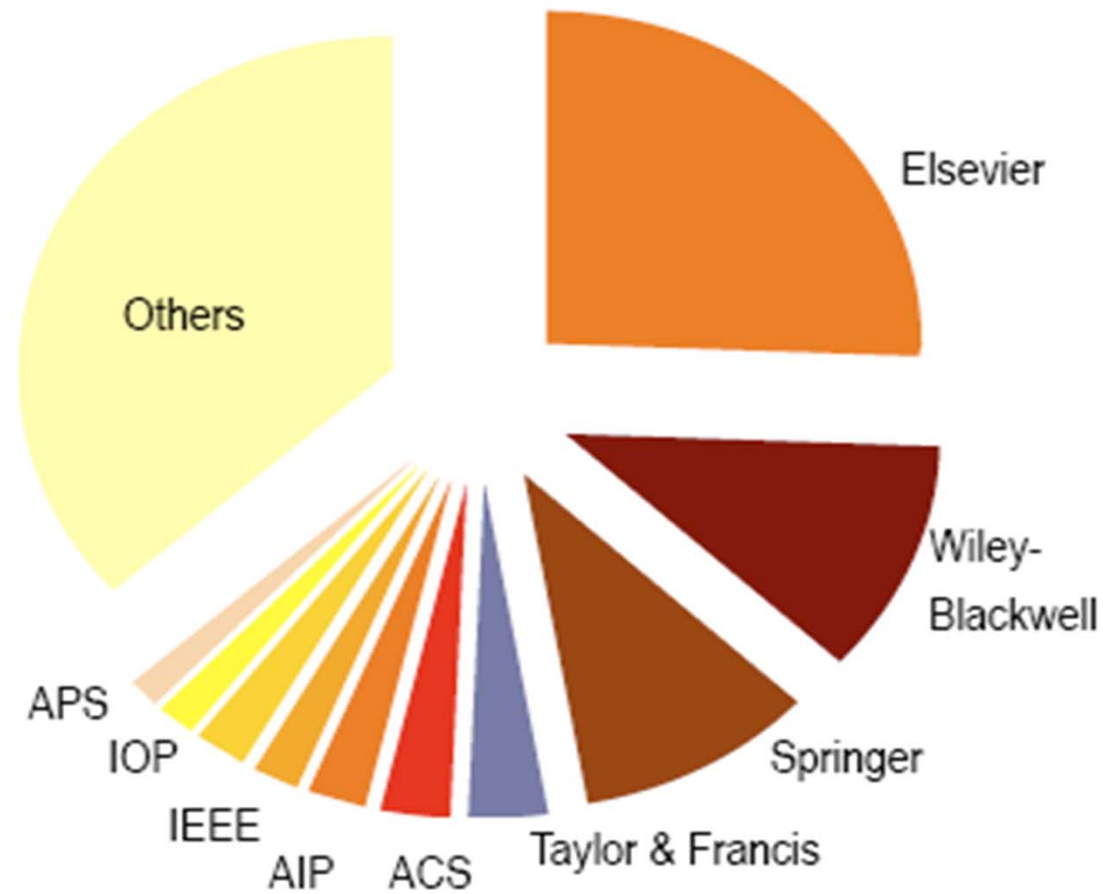
&

*Tight IP control limits reuse,
sharing, text and data mining*

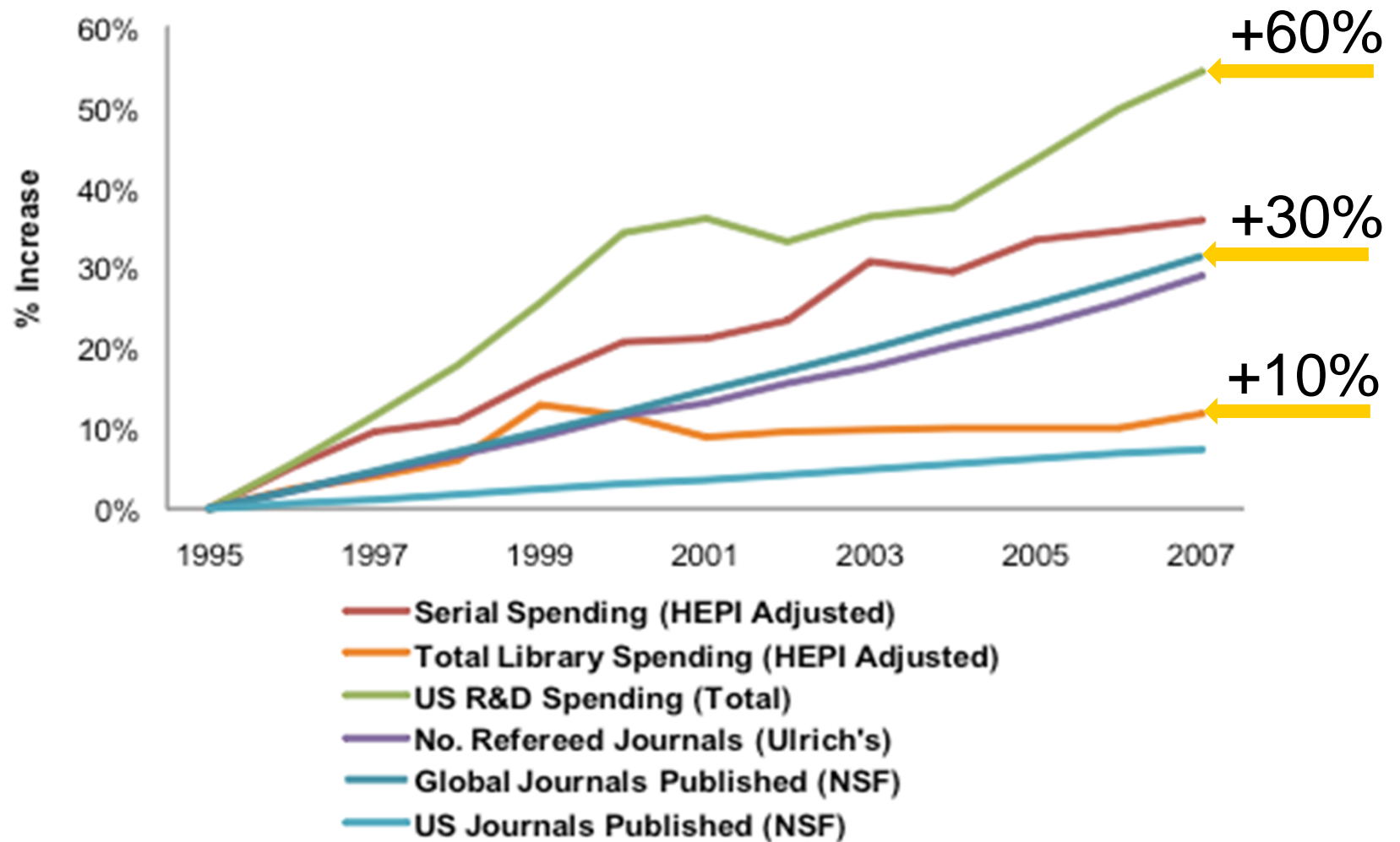


effect of market consolidation

Share of Journal Articles Published



U.S. Library Spending, R&D Spending, and Journals 1995-2007



open source
education
textbooks
science
data
access





Libre

+  permissions

Green



Gratis

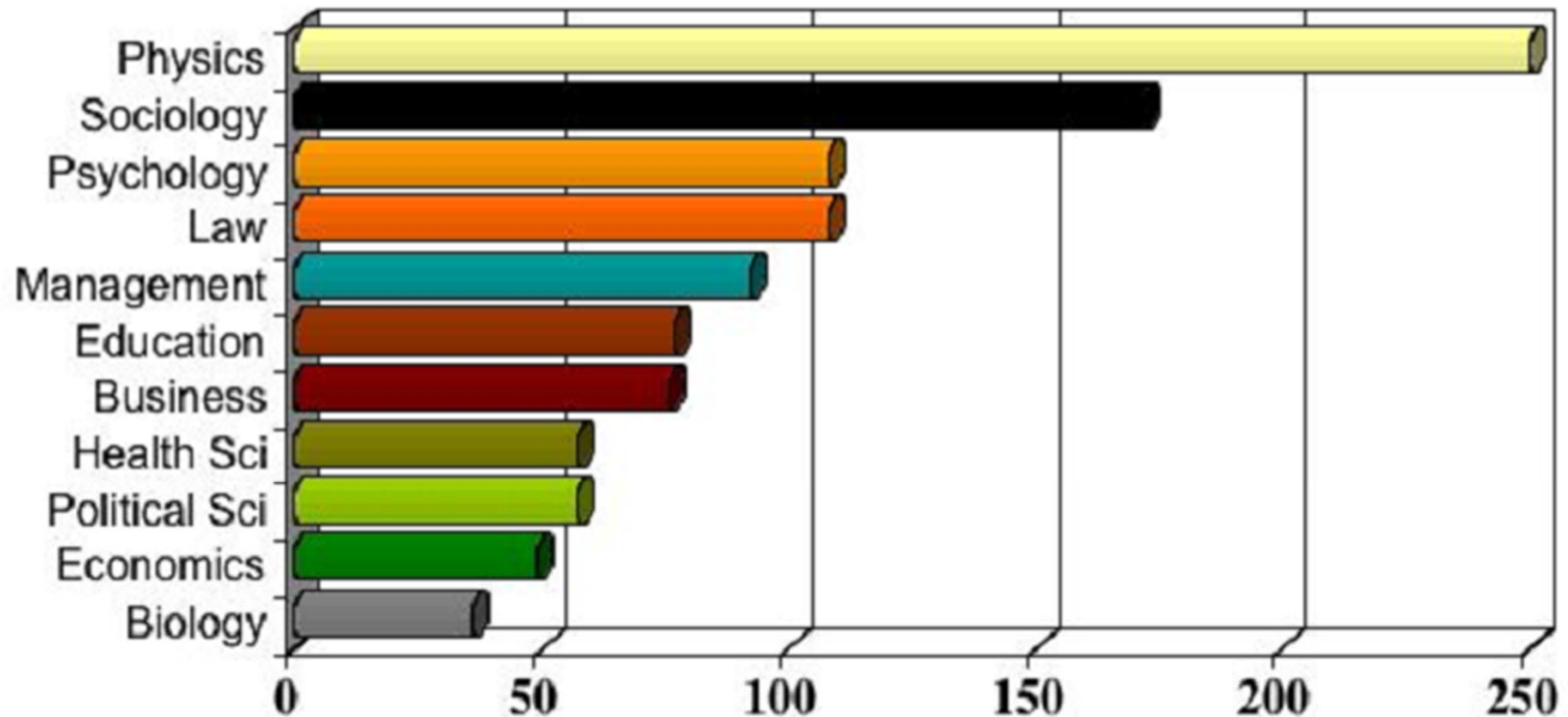
Gold

unrestricted access
unrestricted use
with attribution*



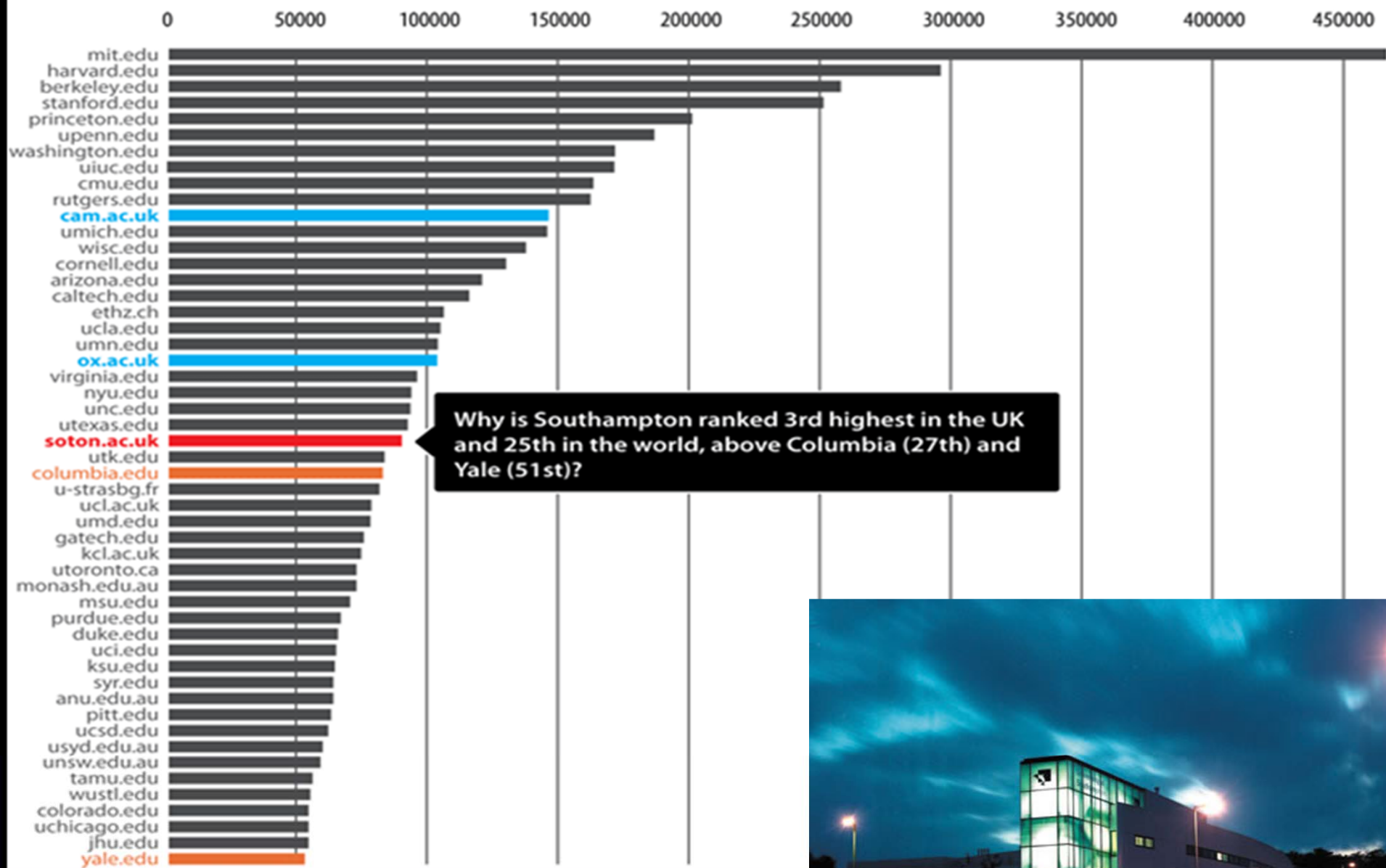
*CC-BY Creative Commons License

Open Access increases citations



% increase in citations with Open Access

From a 12-year sample of 14 M articles in ISI databases
Data: Brody & Harnad 2004; Hajjem et al. 2005





Who else is it for?

interdisciplinary readers

underfunded readers

international readers

digital readers

serendipitous readers

approaching a tipping point?

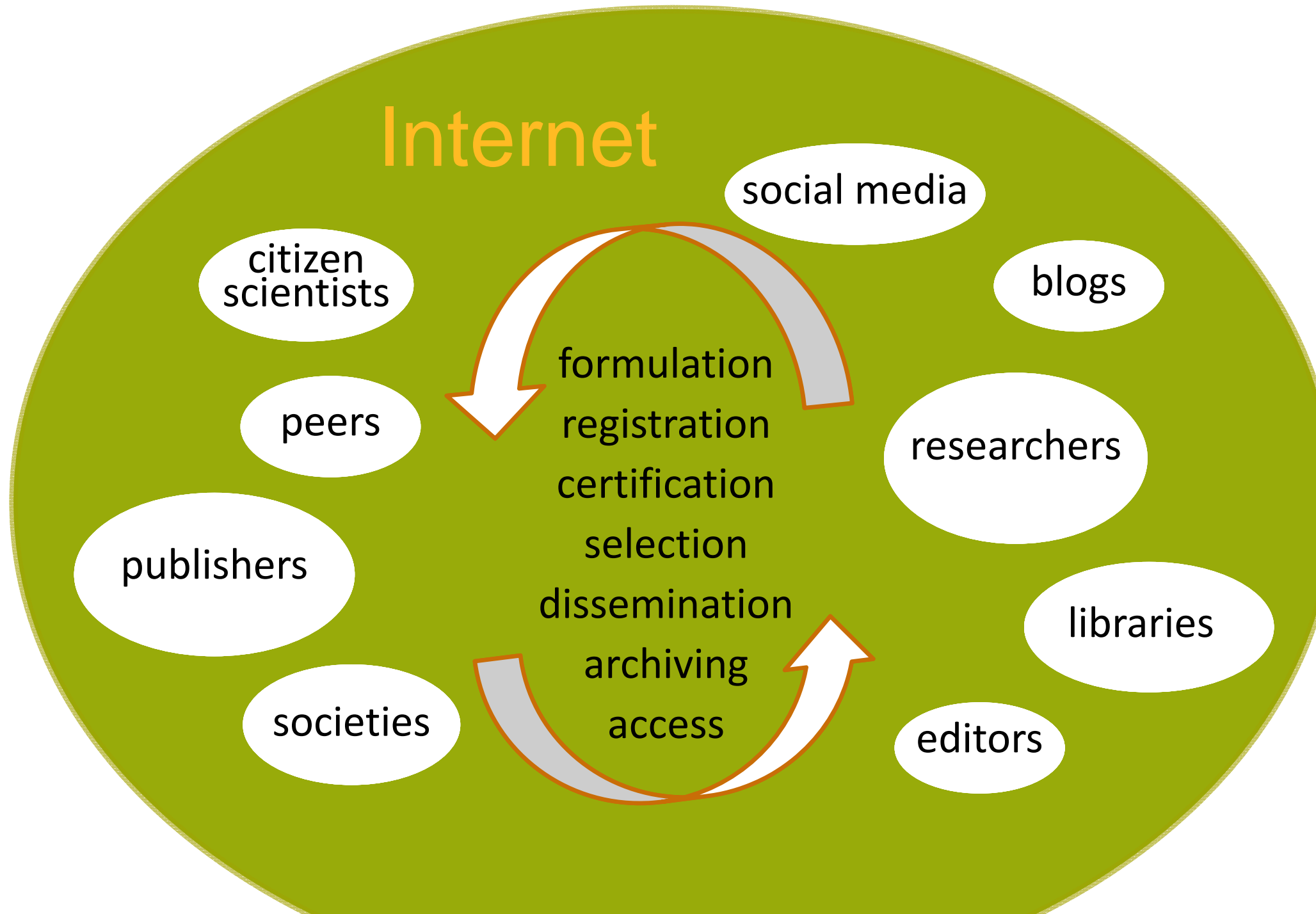
disaggregation of traditional publishing

momentum from researchers & funders

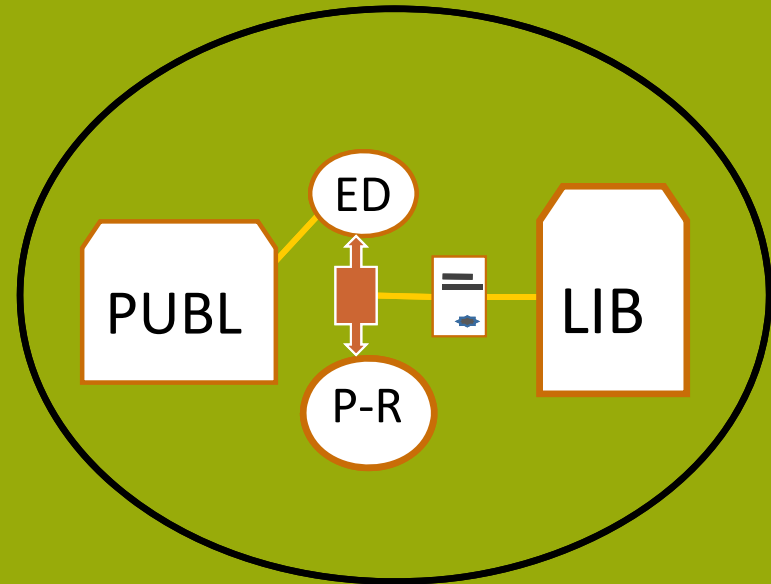
rise of mega-journals

push for access to publicly funded research

Disaggregation of traditional publishing system



internet



*What role, then, for
publishers and libraries?*

*How can we/they add
value in a new system?*

Disaffection fueling disaggregation?

The Cost of Knowledge

11205 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:

1. 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.
3. 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](#)

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Affiliation

Email

only used once to verify your identity; never displayed, never shared

Subject **Mathematics**

Comments
(optional)

Link
(optional)

such as a link to a blog post of yours explaining your position

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☐ publishing ☐ refereeing ☐ editorial work

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11205 people from **All Subjects** have signed.

rise of the mega-journal



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2011: <14,000 articles

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PLOS ONE enables the creation and use of "living" documents for post publication discussion by applying online tools to Open Access research.

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PLOS ONE Highlights

- Volume 6, Number 10, published 10 October 2011
- Contributions from 100+ countries

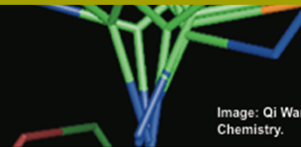


Image: Qi Wang et al. PLoS ONE. Chemistry.

PLOS one: Explore by Subject

Anesthesiology and Pain Management
Biochemistry
Biophysics
Biotechnology
Cardiovascular Disorders
Cell Biology
Chemical Biology
Chemistry
Computational Biology
Computer Science
Critical Care and Emergency Medicine
Dermatology
Developmental Biology
Diabetes and Endocrinology
Ecology
Evidence-Based Healthcare
Evolutionary Biology
Gastroenterology and Hepatology
Genetics and Genomics
Geriatrics
Hematology

Microbiology
Molecular Biology
Neurological Disorders
Neuroscience
Non-Clinical Medicine
Nutrition
Obstetrics
Oncology
Ophthalmology
Otolaryngology
Pathology
Pediatrics and Child Health
Pharmacology
Physics
Physiology
Plant Biology
Public Health and Epidemiology
Radiology and Medical Imaging
Respiratory Medicine
Rheumatology
Science Policy

RESEARCH ARTICLE



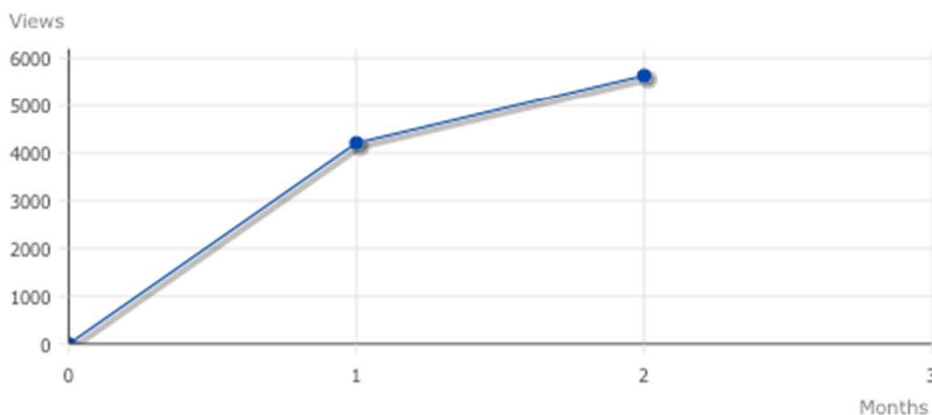
The Illusion of Owning a Third Arm

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Total Article Views: **5635** from **Feb 23, 2011** (publication date) - **Mar 9, 2011***

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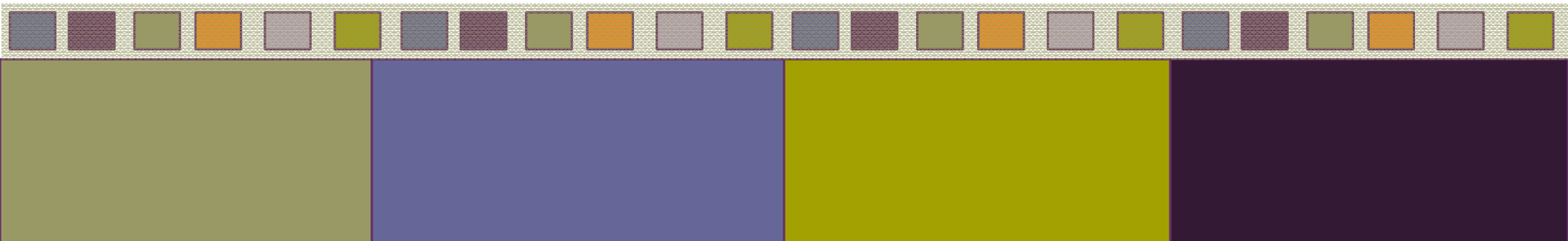
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peer review

certification selection

sound methodology

interest/importance





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momentum from researchers and funders



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RECENT NEWS

[Open sesame \(The Economist\)](#)
April 17, 2012

...The Wellcome Trust, a medical charity that pumps more than £600m (\$950m) a year into research, already requires open access within six months of publication, but the compliance rate is only 55%. The charity says it will "get tough" on scientists who publish in journals [...read more.](#)

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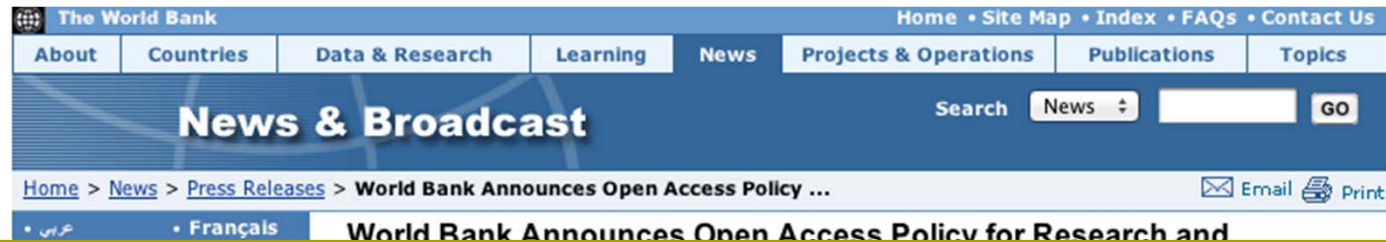
HHMI
HOWARD HUGHES MEDICAL INSTITUTE



MAX-PLANCK-GESellschaft

wellcome trust

momentum from researchers and funders



Quoting World Bank president:

“Knowledge is power....Making our knowledge widely and readily available will empower others to come up with solutions to the world’s toughest problems. Our new Open Access policy is the natural evolution for a World Bank that is opening up more and more.”



world's toughest problems. Our new Open Access policy is the natural evolution for a World Bank that is opening up more and more.

The policy will also apply to Bank research published with third party publishers including the institution's two journals—*World Bank Research Observer (WBRO)* and *World Bank Economic Review (WBRE)*—which are published by Oxford University Press, but in accordance with the terms of third party publisher agreements. The Bank will respect publishing embargoes, but expects the amount of time it takes for externally published Bank content to be included in its institutional repository to diminish over time.

In support of the new Open Access Policy, the World Bank is adopting a Creative Commons Attribution (CC BY) copyright license for content published by the Bank, the most accommodating of all licenses offered by Creative Commons. It allows anyone to distribute, reuse, and build upon the Bank's published work, even commercially, as long as the Bank is given credit for the original creation. The CC BY license helps the Bank to maximize its impact while simultaneously protecting the Bank's reputation and the integrity of its content.

World Bank content published by third party publishers will be available in the Open Knowledge Repository under a more restrictive Creative Commons license. The new copyright practice goes

momentum from researchers and funders




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There are currently 1 user and 123 guests online.

Online users

- ♦ NostenF

“We envision a world in which there is free and unrestricted access to information on malaria, independent of geographical locality or socio-economic status.


Knowledge empowers. Empowered people prevent and control malaria better. “

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E-interview with Prof. Marcel Tanner (Switzerland, 1952)

Submitted by Bart Knols on April 4, 2012 - 20:48

Tags: [E-interviews](#) [Marcel Tanner](#) [STPH](#)




Professor Tanner is Chief Executive of the Swiss Tropical and Public Health Institute (Swiss TPH), based in Basel. He is an epidemiologist and chair of medical parasitology and epidemiology at the University of Basel. Besides this, he is engaged in numerous activities and initiatives that research and control communicable diseases, notably malaria.

Offline

Last seen: 2 days 2 hours ago

Joined: 3 Jul 2009

Posts:



Push for access to publicly funded research



NIH Mandate


\$ 32 Billion

biomedical research grants each year

90,000

peer-reviewed articles each year

PubMed Central



The image shows a screenshot of the PubMed Central homepage in a web browser. The browser's address bar displays the URL <http://www.pubmedcentral.nih.gov/index.html>. The page header includes the text "PubMed Central Homepage" and "A free archive of life sciences journals". A large, white rectangular box with a yellow border is centered on the page, containing the following statistics:

- 500,000 users access 1M+ articles a day
- 25% users from universities
- 17% from companies
- 40% from general public

Below the central box, the page content is partially visible. On the left, there is a section titled "Access. Find out what that means." followed by a paragraph about PMC's utilities. On the right, there is a paragraph about NIH-funded researchers and the NIH Public Access policy. At the bottom right, there is a section about the NIH Manuscript Submission system.

Access. Find out what that means.

PMC's **utilities** include an OAI service that provides XML of the full-text of some articles, functions for scripting PMC searches and linking to specific PMC articles from your site, and more ...

Looking for a modern journal article DTD? Take a look at NLM's **Journal Publishing XML DTD and schema**.

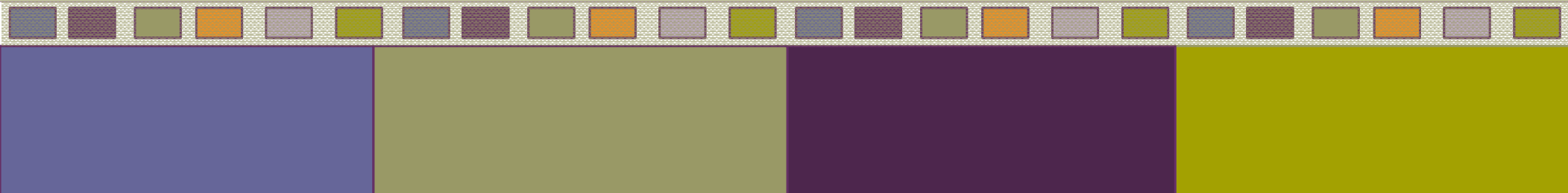
published by NIH-funded researchers in various non-PMC journals. Increasing free access to these articles is the goal of the **NIH Public Access** policy. Similar manuscripts from researchers funded by the Wellcome Trust are available in PMC as well.

Eligible researchers should use the **NIH Manuscript Submission** system to deposit manuscripts.

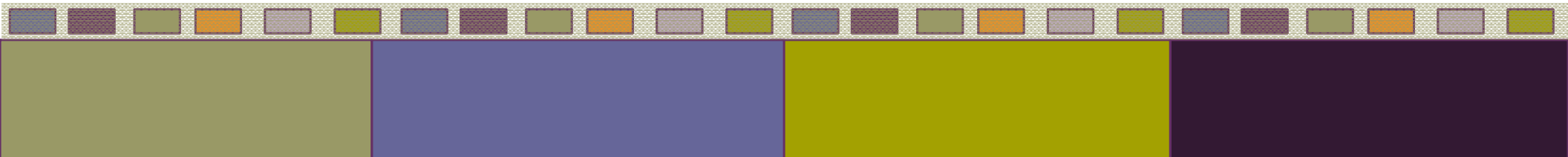
Push for access to publicly funded research

FRPAA

Federal Research
Public Access Act

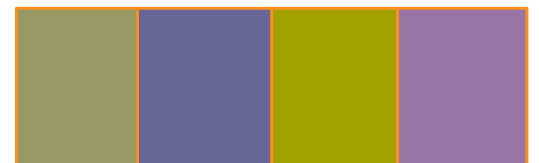


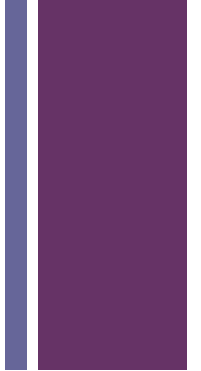
speeds invention and discovery
greater return on investment
serves mission of universities



Reform

Publishing
Public policy
Universities
Academic Libraries





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