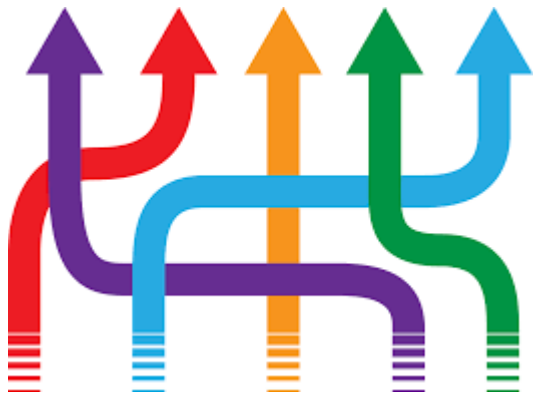


Open Access – What Now? What Next?

Niamh Lucey

St Vincent's University Hospital Library



Imagine your tax dollars have gone to build a new road in your neighborhood.

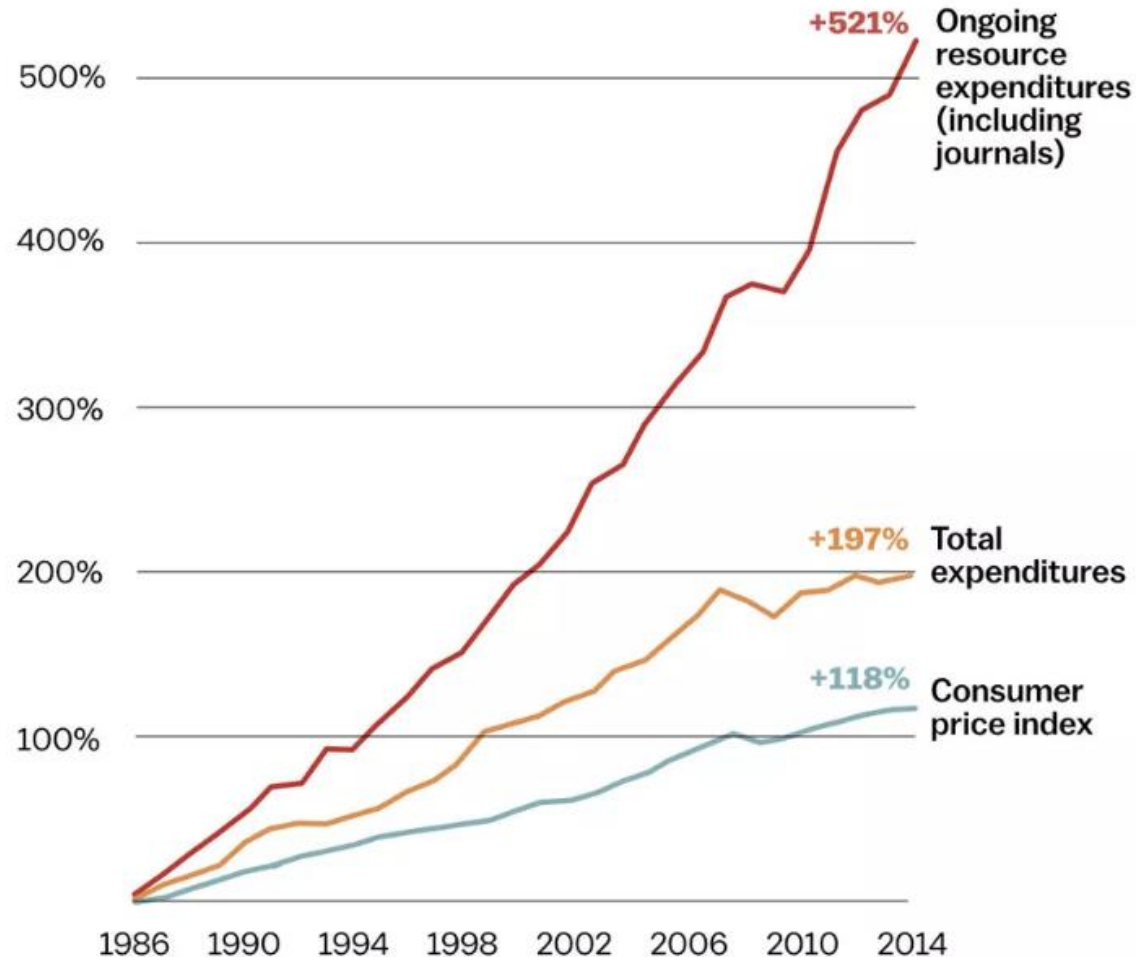
Now imagine that the company overseeing the road work charged its workers a fee rather than paying them a salary.

The overseers in charge of making sure the road was up to standard also weren't paid. And if you, the taxpayer, want to access the road today, you need to buy a seven-figure annual subscription or pay high fees for one-off trips.

We're not talking about roads — this is the state of scientific research, and how it's distributed today through academic publishing.

Spending on journals (and other reoccurring materials) has greatly outpaced inflation

Percent change in spending in university libraries



<https://www.vox.com/the-highlight/2019/6/3/18271538/open-access-elsevier-california-sci-hub-academic-paywalls>

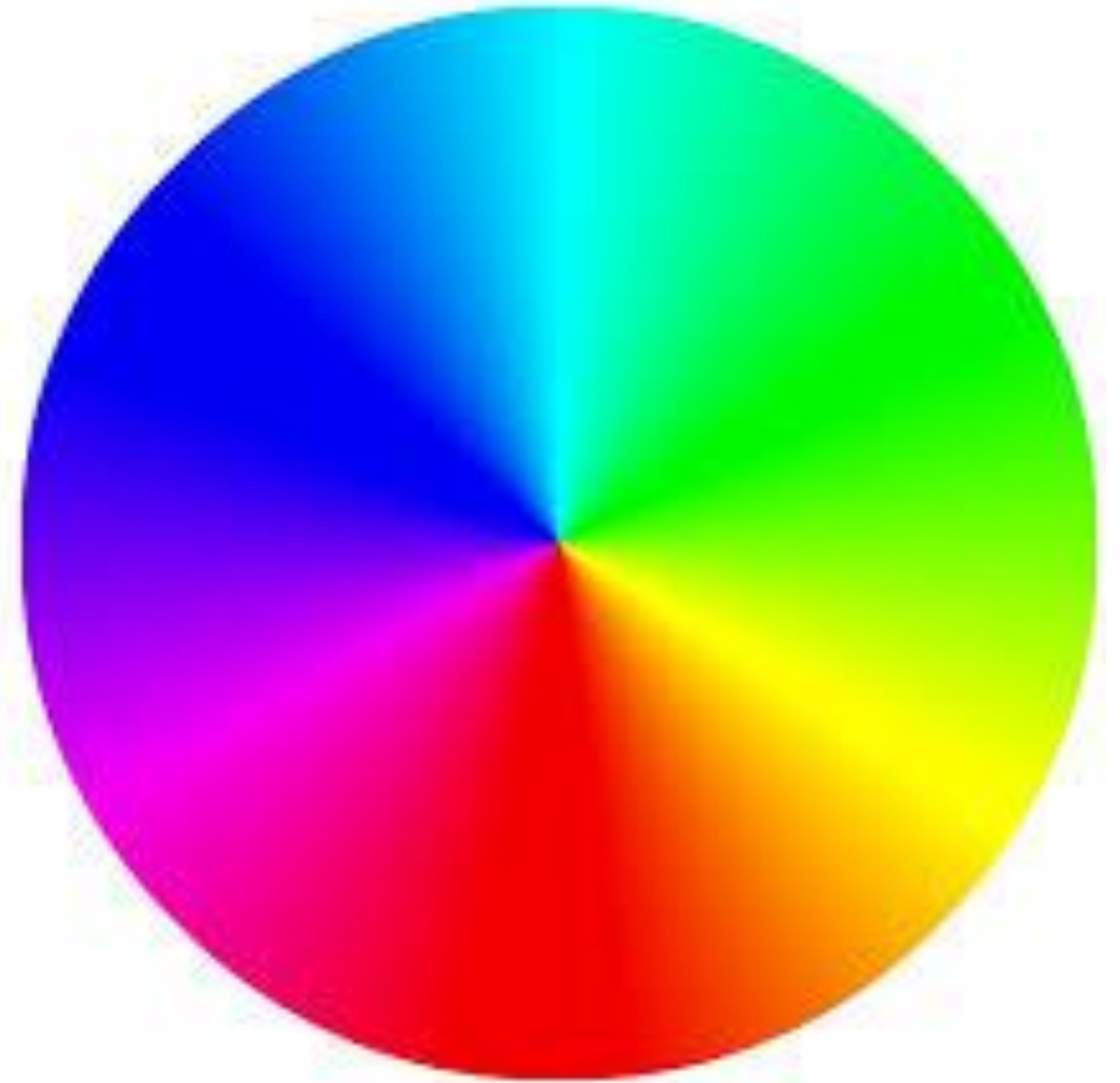
Where we are in 2019

- Big Deals?
- University of California v Elsevier
- Funders – Hungary, Norway, Germany
- IReL negotiations
- Document supply problems

The OA Spectrum

- Libre - similar to CC-BY
- Gratis - free to read
- Gold
- Green
- Hybrid
- Delayed - embargoes
- ASN - Academic Social Network (*ResearchGate*, etc.)
- Black - illegal (*SciHub*, *LibGen* etc)
- Bronze – free on publisher website with no explicit licence

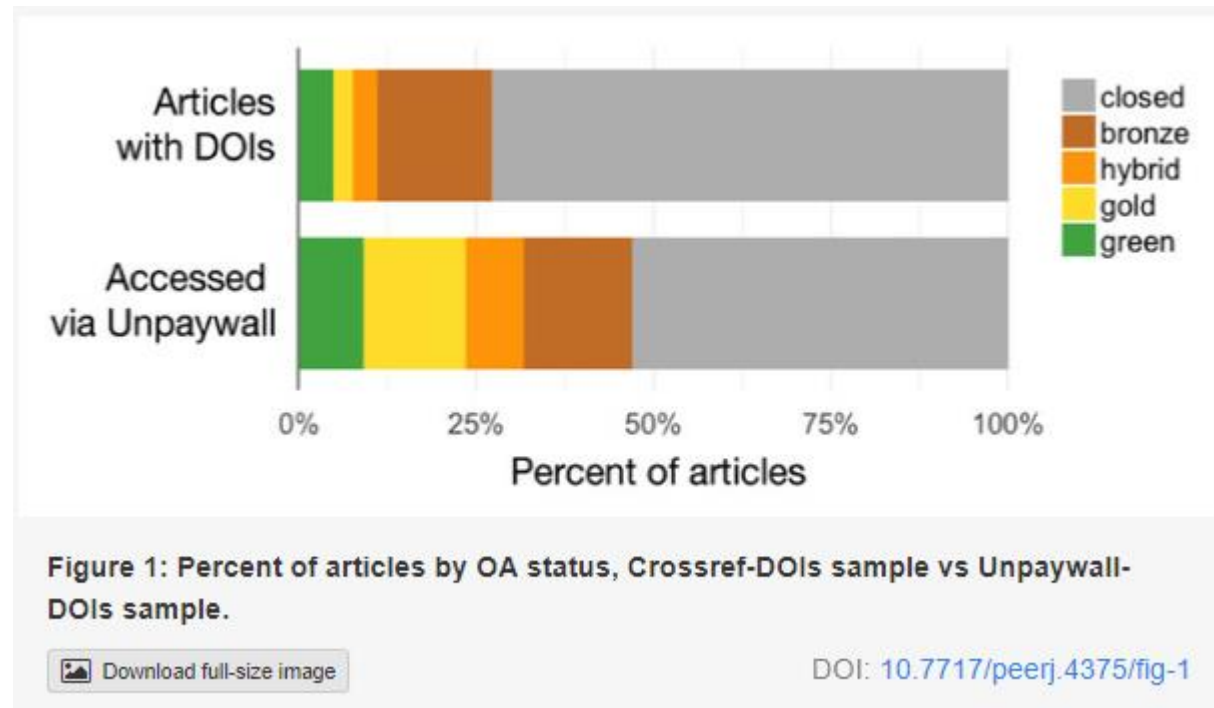
<https://peerj.com/articles/4375.pdf>



<https://pixabay.com/illustrations/colour-wheel-spectrum-rainbow-1740381/>

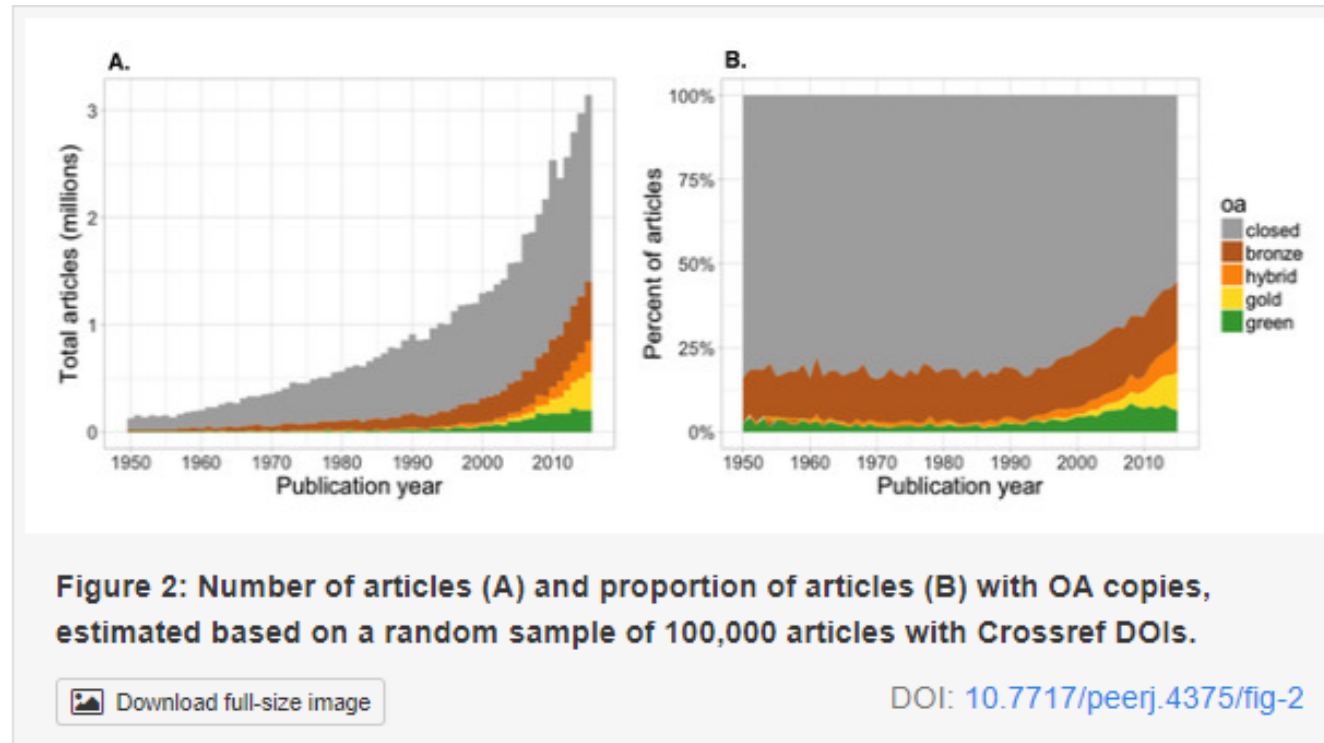
Of all DOI-assigned articles...

- 28% is OA
- 18.6m articles
- 16.2% is Bronze OA

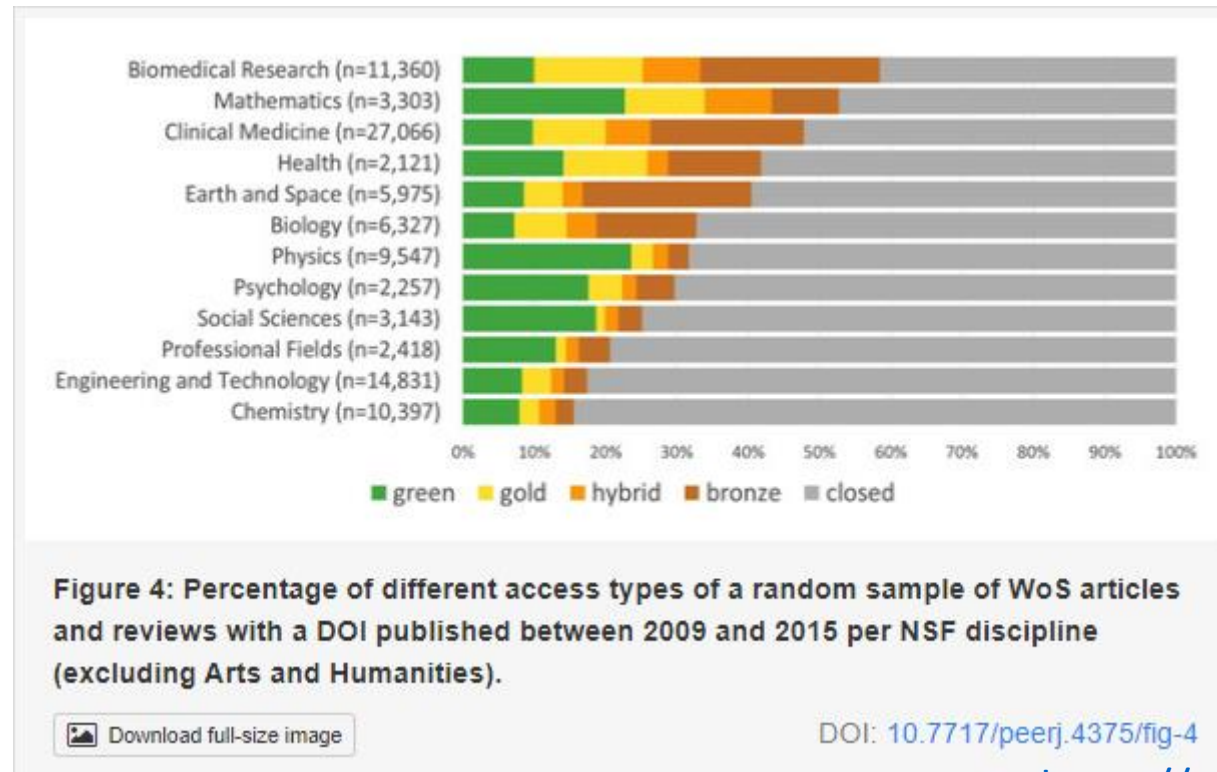


<https://peerj.com/articles/4375.pdf>

OA Publishing is increasing



Especially in biomedical research



<https://peerj.com/articles/4375.pdf>

Scientists & Pirates

2012 Timothy Gowers, Cambridge
2016 *Discrete Analysis*

2019 Board of *Journal of Infometrics* (Elsevier)
resigned and set up
Quantitative Science Studies (MIT Press) –
Creative Commons CC BY (author retains
copyright)

Preprints/OA discovery – arXiv, bioRxiv,
Unpaywall, Canary Haz, Kopernio, #icanhazpdf

ResearchGate, Academia.edu

Scholarly Collaboration Networks – Voluntary
Principles (2015)

Sci-Hub ½ million visits per day
50 m academic papers
LibGen 5.5m books, 75m articles



https://upload.wikimedia.org/wikipedia/en/e/ec/The_Pirates%21_In_an_Adventure_with_Scientists%21_poster.jpg

What now for Libraries?

- From paying to subscribe to paying to publish?
- Cost of Article Processing Charge - \$500 to \$5,000+
- Encourage our library patrons to publish in OA – how??
- From subscriptions to document delivery?
- Repositories e.g. HRB Drug Library, RIAN, Lenus
- Plan S

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