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DOAB

Academic Publishing and Open Science – Where do we stand?

From Open Access to Bibliodiversity

THE DYNAMICS OF OPEN ACCESS PUBLISHING BEYOND THE “TIPPING POINT”



EUROPEAN COMMISSION

PRESS RELEASE

Brussels, 21 August 2013

Open access to research publications reaching 'tipping point'

The global shift towards making research findings available free of charge for readers—so-called 'open access'—was confirmed today in a study funded by the European Commission. This new research suggests that open access is reaching the tipping point, with around 50% of scientific papers published in 2011 now available for free. This is about twice the level estimated in previous studies, explained by a refined methodology and a wider definition of open access. The study also estimates that more than 40% of scientific peer reviewed articles published worldwide between 2004 and 2011 are now available online in open access form. The study looks at the EU and some neighbouring countries, as well as Brazil, Canada, Japan and United States of America.

10 years after the tipping point

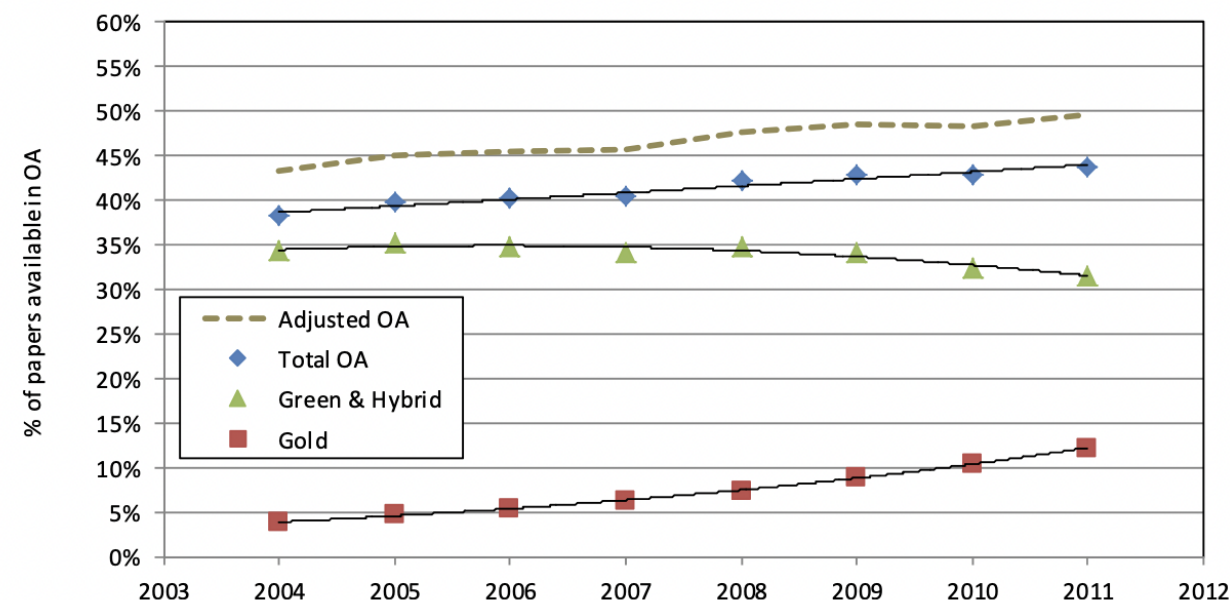
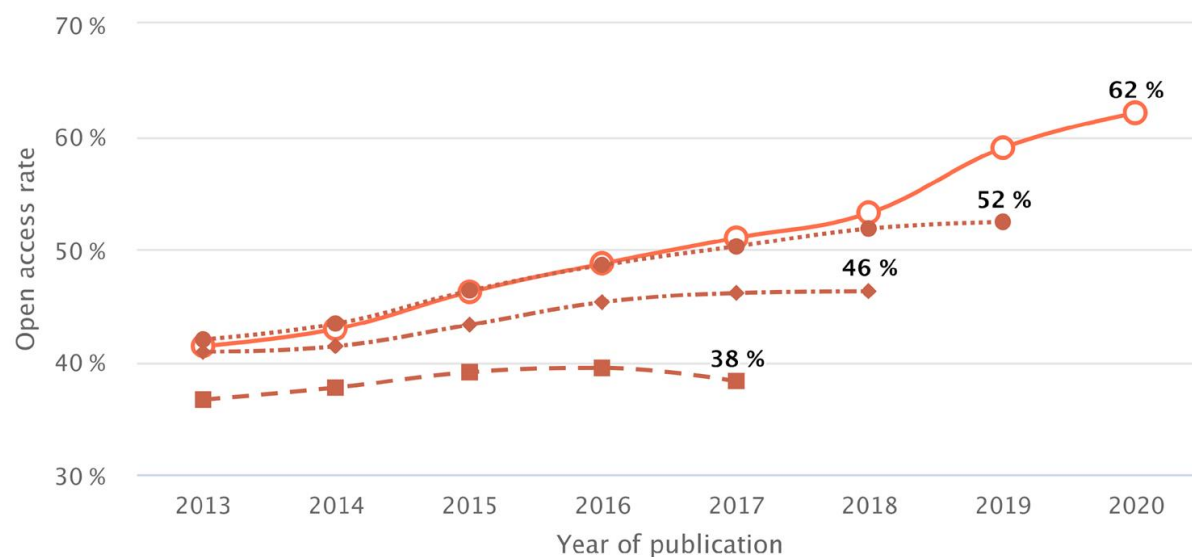


Figure 4 Per cent of freely available peer-reviewed papers, 2004-2011
Source: Computed by Science-Metrix using DOAJ, PubMedCentral, and Scopus.

62% and counting in France

Evolution of the open access rate of French scientific publications by year of observation

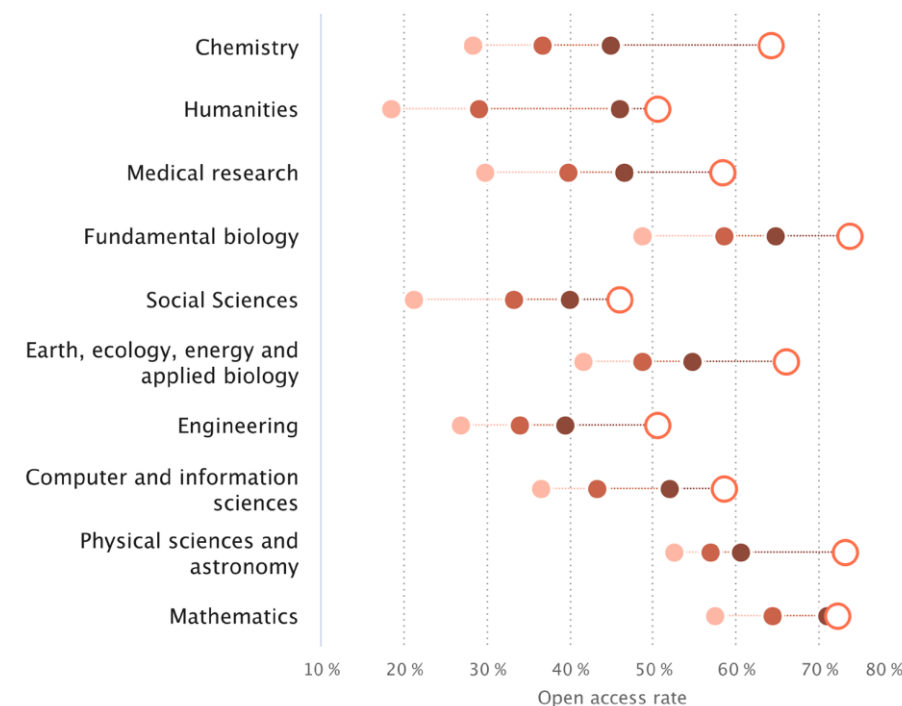


Observation dates

○ 2021 ● 2020 ◆ 2019 ■ 2018

French Open Science Monitor, Sources : Unpaywall, MESRI

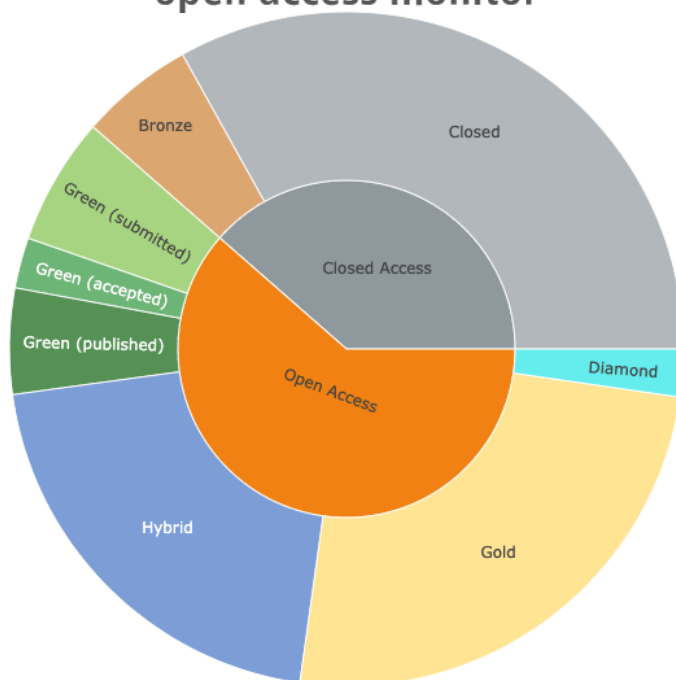
Dynamics of the evolution of the rate of open access publications for each discipline



Observation dates

● 2018 ● 2019 ● 2020 ○ 2021

French Open Science Monitor, Sources : Unpaywall, MESRI



Similar dynamics in other countries



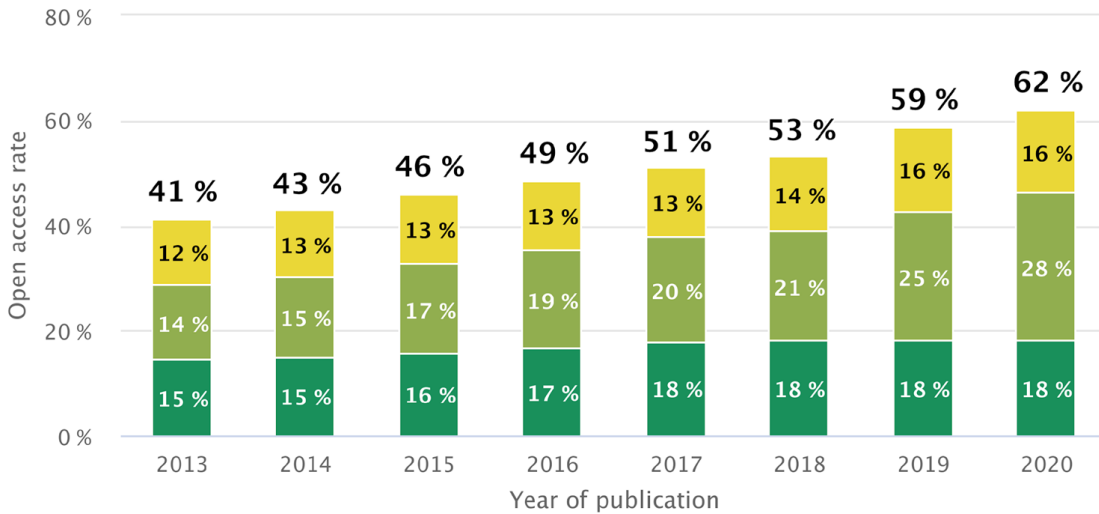
Table 1: Percentages OA publications 2016-2019 Dutch universities by category.

<i>Gold, DOAJ OA¹</i>	<i>Hybrid, and non-DOAJ OA²</i>	<i>Only Green OA³</i>	<i>Total OA</i>
13%	20%	9%	42% (2016)
17%	23%	10%	50% (2017)
19%	24%	11%	54% (2018)
21%	29%	12%	62% (2019)
25%	35%	13%	73% (2020)

THE DIVERSITY OF OA ROUTES BEYOND THE GREEN/GOLD DICHOTOMY

From gold *versus* green to gold *with* green

Distribution of the open access rate of publications per publication year and by OA route (observed in 2021)

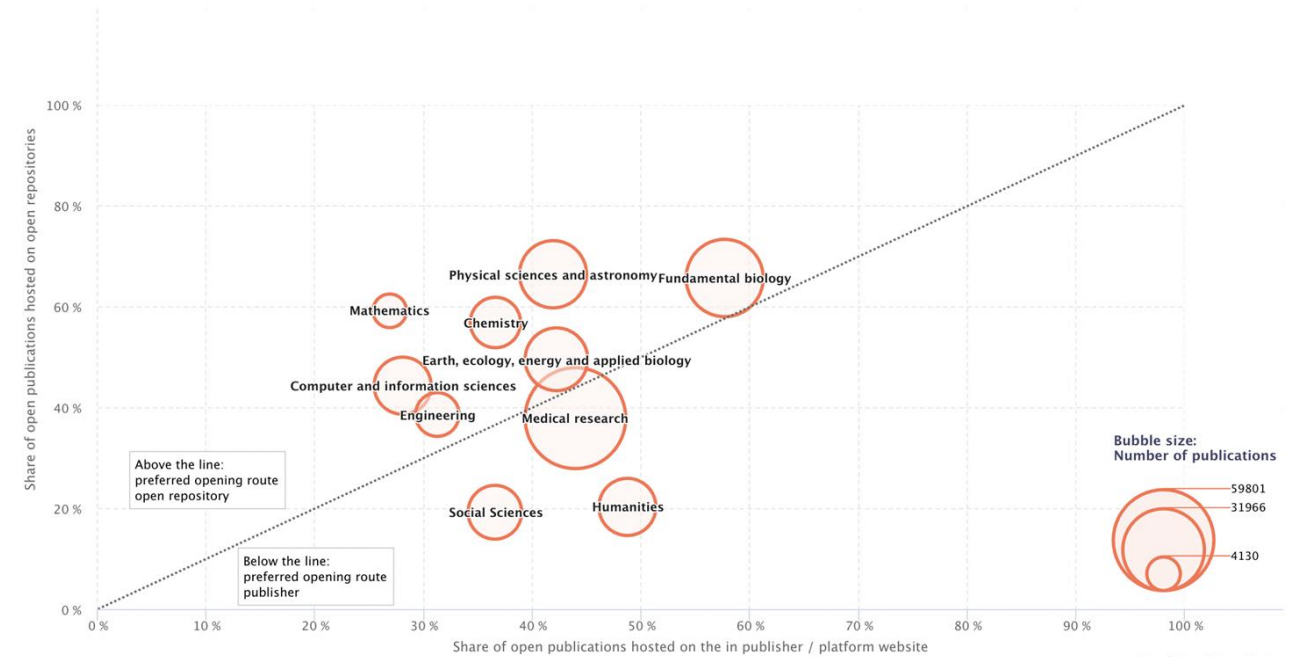


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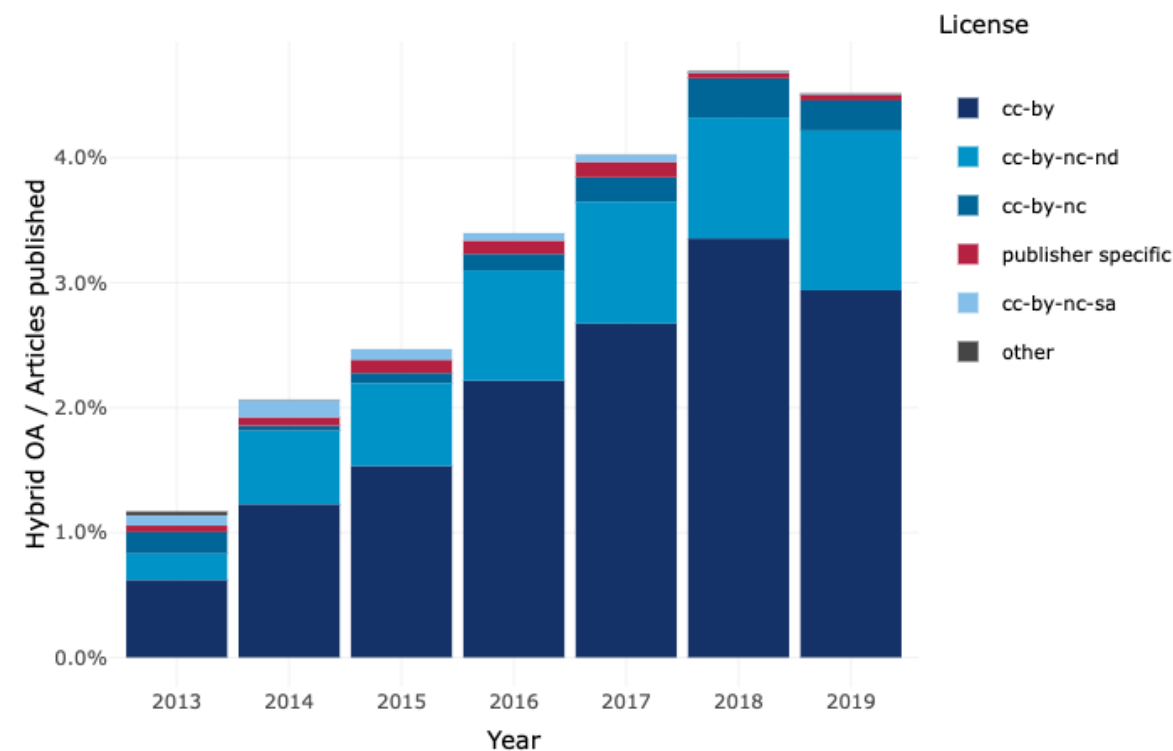
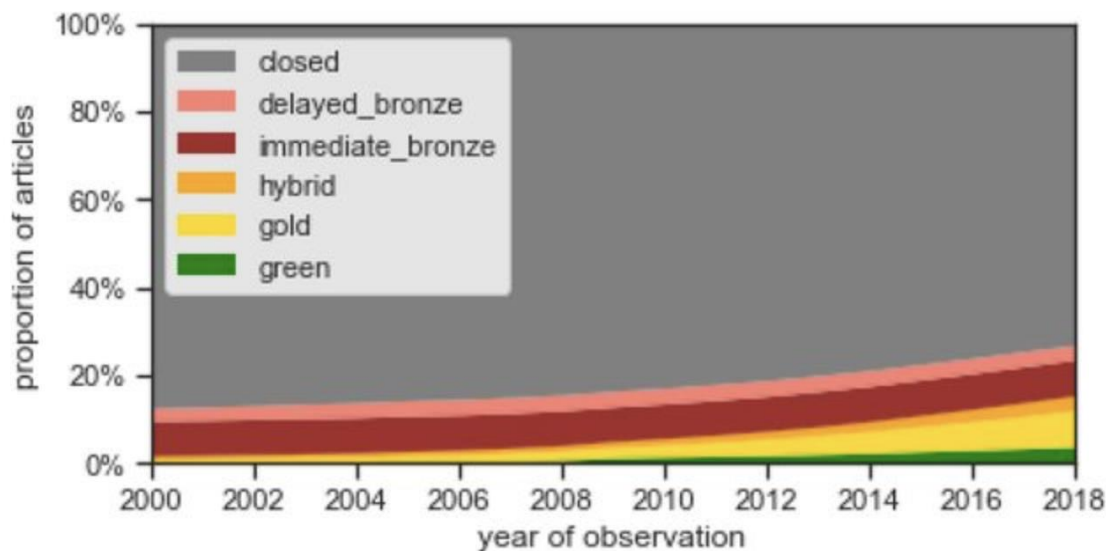
- Open repositories
- Publisher & open repositories
- Publisher

French Open Science Monitor, Sources : Unpaywall, MESRI

Positioning of disciplines according to the preferred route for opening their publications



In spite of its reputation, hybrid resists...



The Future of OA: A large-scale analysis projecting Open Access publication and readership

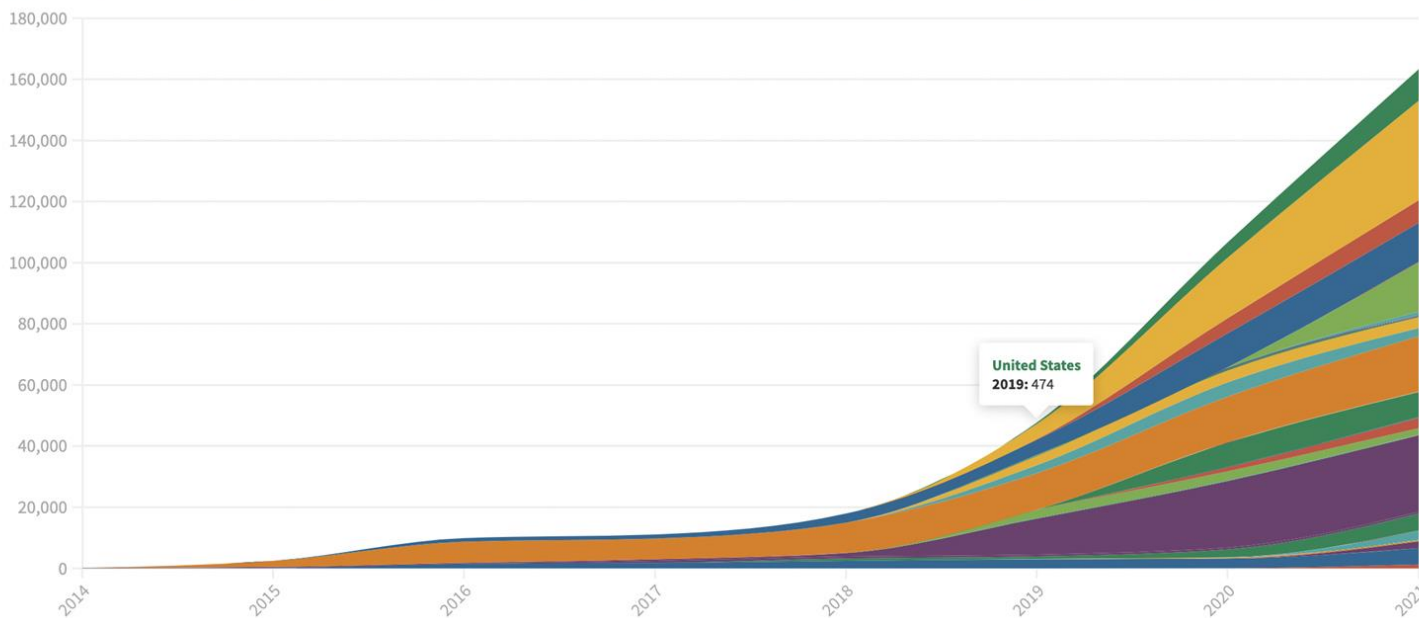
Heather Piwowar, Jason Priem, Richard Orr

bioRxiv 795310; doi: <https://doi.org/10.1101/795310>

Hybrid OA dashboard - Najko Jahn

...with the help of (non-)Transformative Agreements

Australia Austria Belgium Canada China Croatia Czech Republic Denmark EIFL (International) Estonia Finland France
 Germany Ghana Greece Hungary Ireland Israel Italy Japan Latvia Moldova Netherlands Norway Palestine Poland
 Qatar Saudi Arabia Serbia Slovenia South Korea Spain South Africa Sweden Switzerland United Kingdom United States



Source: [ESAC Transformative Agreement Registry](#) • Click on a country to filter.
Last updated: 11-01-2022



Contracter à l'heure de la publication en accès ouvert.
Une analyse systématique des accords transformants

Quentin Dufour, David Pontille, Didier Torny

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HAL Id: halshs-03203560

<https://halshs.archives-ouvertes.fr/halshs-03203560>

Submitted on 20 Apr 2021

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire HAL, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Diamond: the overlooked better half of OA publishing

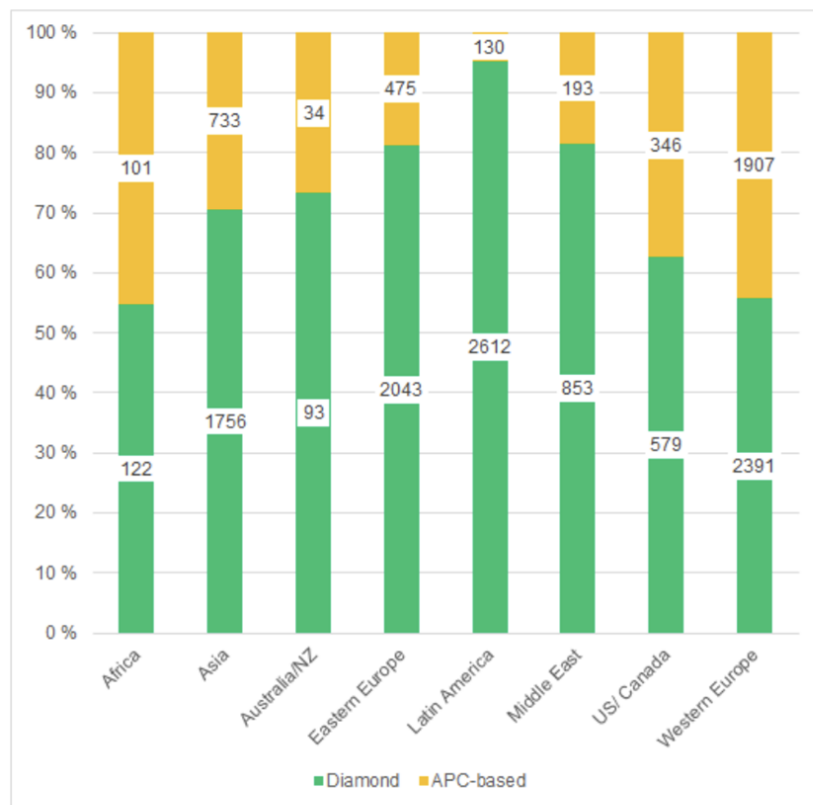


Figure 12. Shares of OA diamond and APC-based open access models in DOAJ-listed journals. Source: DOAJ

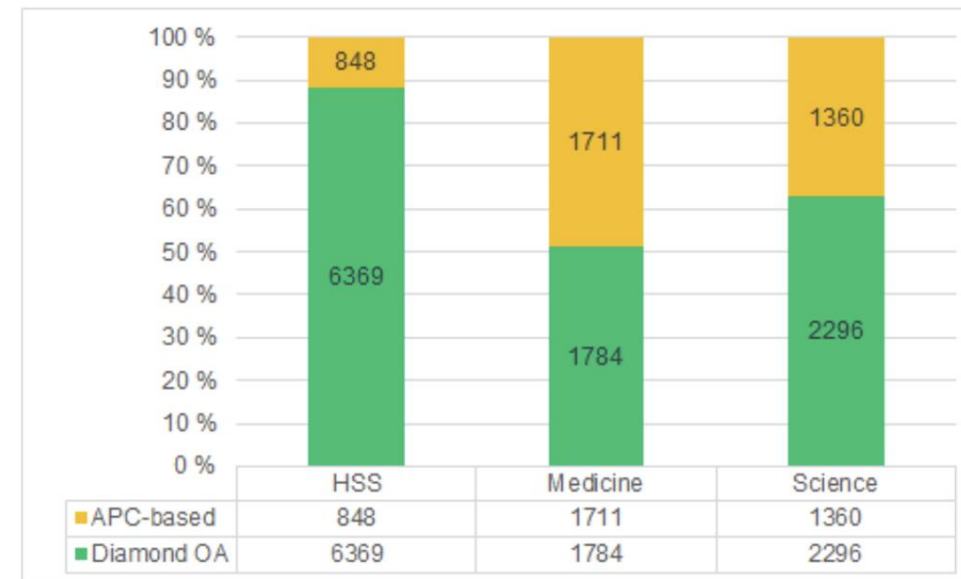


Figure 14. Journals by funding models for the three disciplinary groups. Source: DOAJ and GOA(5)

Bosman, Jeroen, Frantsovåg, Jan Erik, Kramer, Bianca, Langlais, Pierre-Carl, and Proudman, Vanessa. "OA Diamond Journals Study. Part 1: Findings". Zenodo, March 9, 2021. <https://doi.org/10.5281/zenodo.4558704> This report was supported by Science Europe and cOAlition S.

Diamond: the stable model of scholarly publishing...

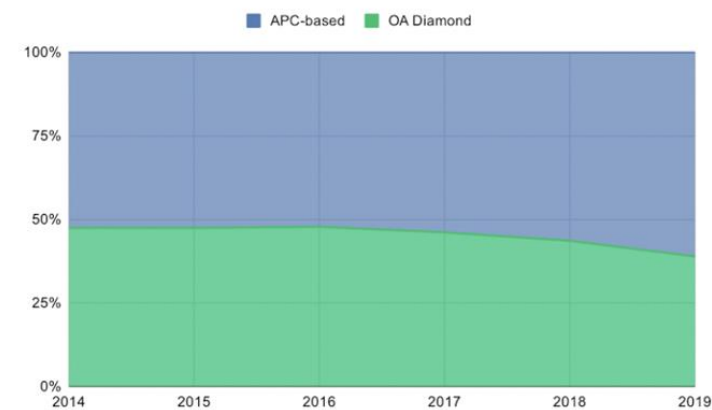
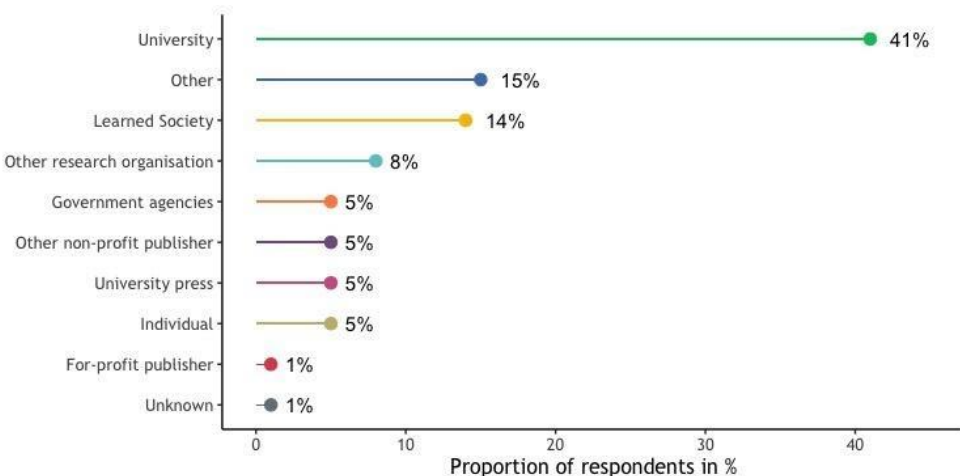


Figure 10. DOAJ article numbers from 2014-2019 by open access model, absolute (left) and as shares of DOAJ total (right). Source: GOA(5)

Bosman, Jeroen, Frantsvåg, Jan Erik, Kramer, Bianca, Langlais, Pierre-Carl, and Proudman, Vanessa. "OA Diamond Journals Study. Part 1: Findings". Zenodo, March 9, 2021. <https://doi.org/10.5281/zenodo.4558704> This report was supported by Science Europe and cOAlition S.

...driven by social values

- “We consider **free access to scientific information** an essential element for economic and social development”,
- “We also have in mind our firm commitment to the **democratization of knowledge.**”
- “**Our open living ethos** is not just about open access, open software, and open review. We are committed to living, discussing, deciding, and failing in public. We discuss and develop our project values and policies openly on our public message” (11979339973)
- “We also have in mind our firm commitment to the democratization of knowledge.”
- “We should not put **a price-tag on ideas and public knowledge!**”

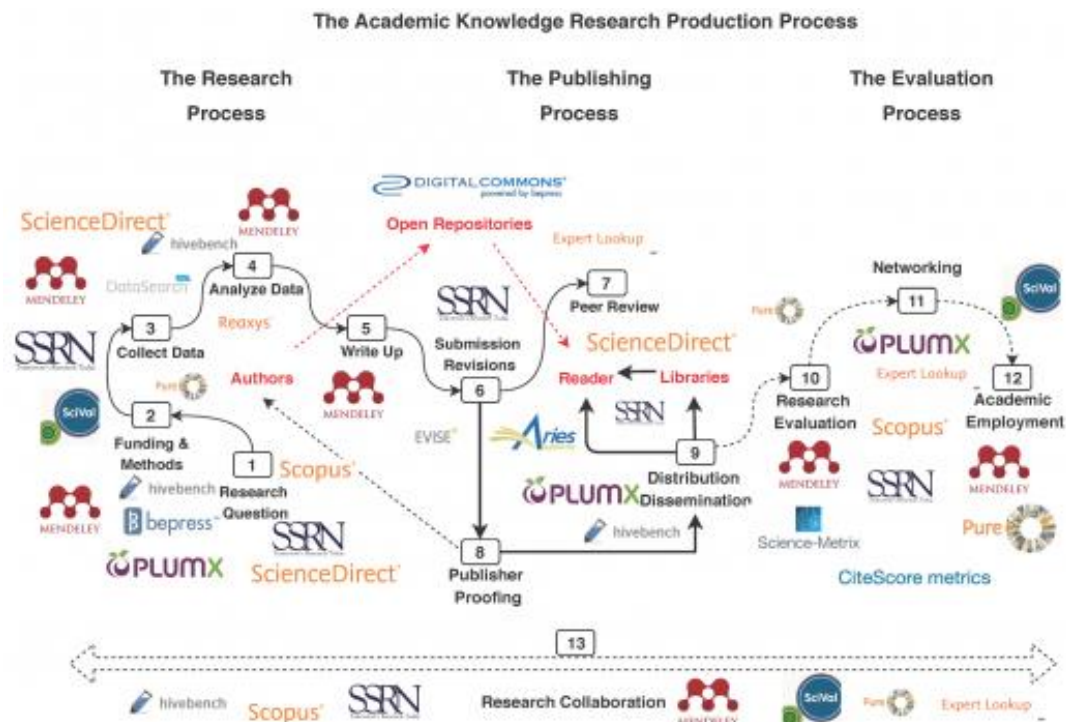


DIVERSITY BEYOND OPEN ACCESS

Innovation as a driver for diversity



Concerns over bibliodiversity



Fostering Bibliodiversity in Scholarly Communications

A Call for Action!

April 15, 2020



Authors

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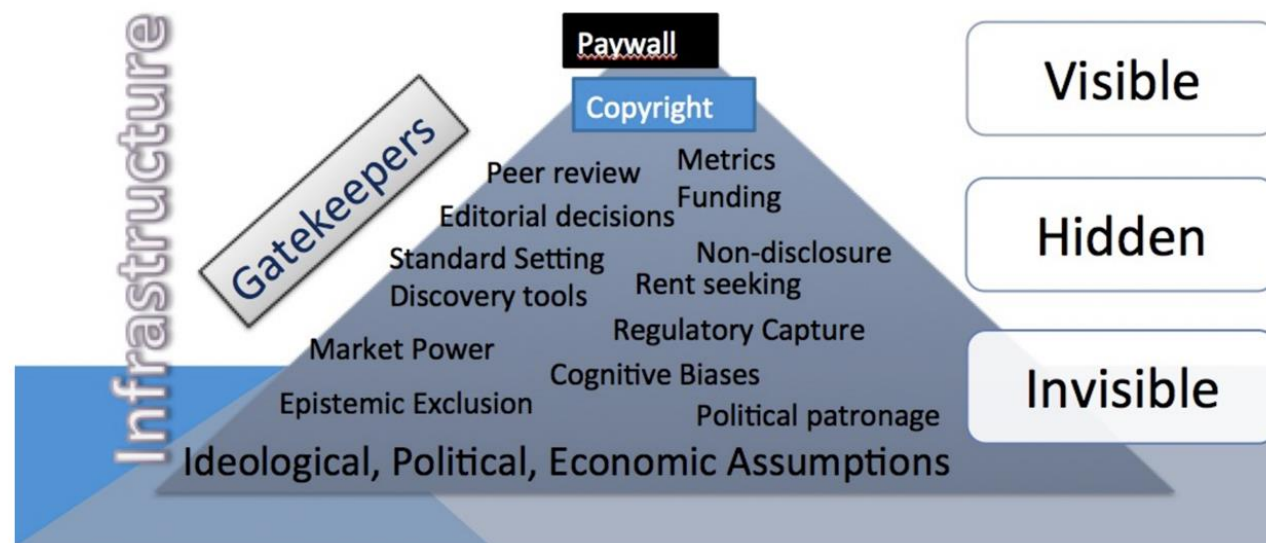
Chen, G., Posada, A., & Chan, L. 2019. Vertical Integration in Academic Publishing: Implications for Knowledge Inequality. In Chan, L., & Mounier, P. (Eds.), *Connecting the Knowledge Commons — From Projects to Sustainable Infrastructure: The 22nd International Conference on Electronic Publishing – Revised Selected Papers*. Marseille: OpenEdition Press. doi:10.4000/books.oep.9068

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Equity, Diversity and Inclusion in scholarly communication

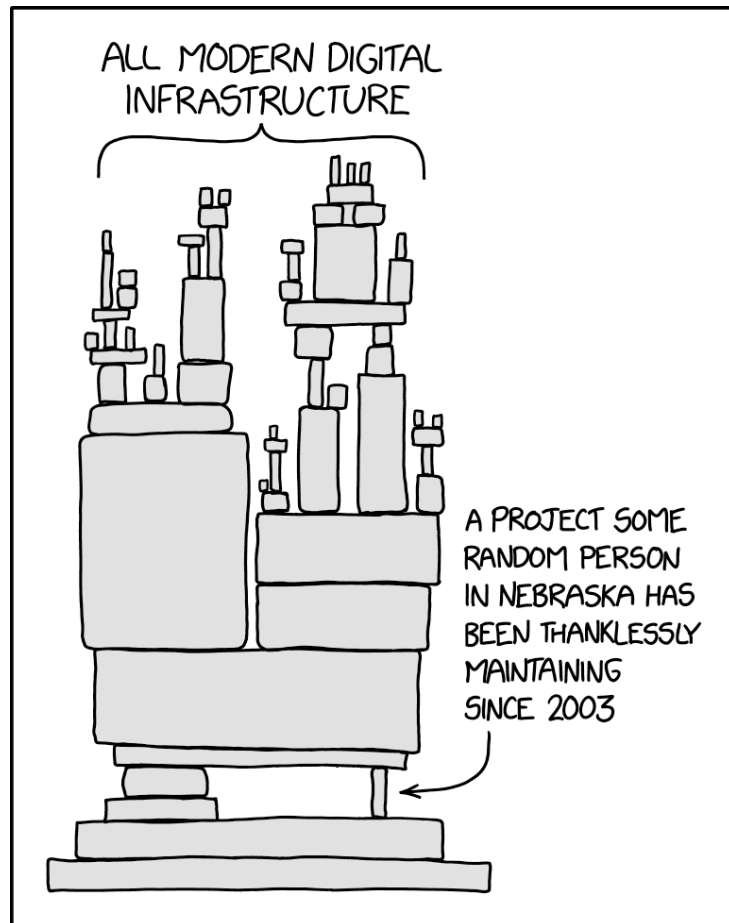


SYSTEM OF POWER IN KNOWLEDGE PRODUCTION



Chan, Leslie. "Beyond Diversity and Inclusion: Challenging Structural Racism and Systemic Biases in Academic Knowledge Production". Presented at the FORCE2021 Joining Forces to Advance the Future of Research Communications (FORCE11), Virtual, December 7, 2021. <https://doi.org/10.5281/zenodo.5763937>

The crucial role of infrastructures



The Principles of Open Scholarly Infrastructure

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xkcd

KNOWLEDGE BEYOND PUBLICATION

Better understanding scholarly communication in the open science context

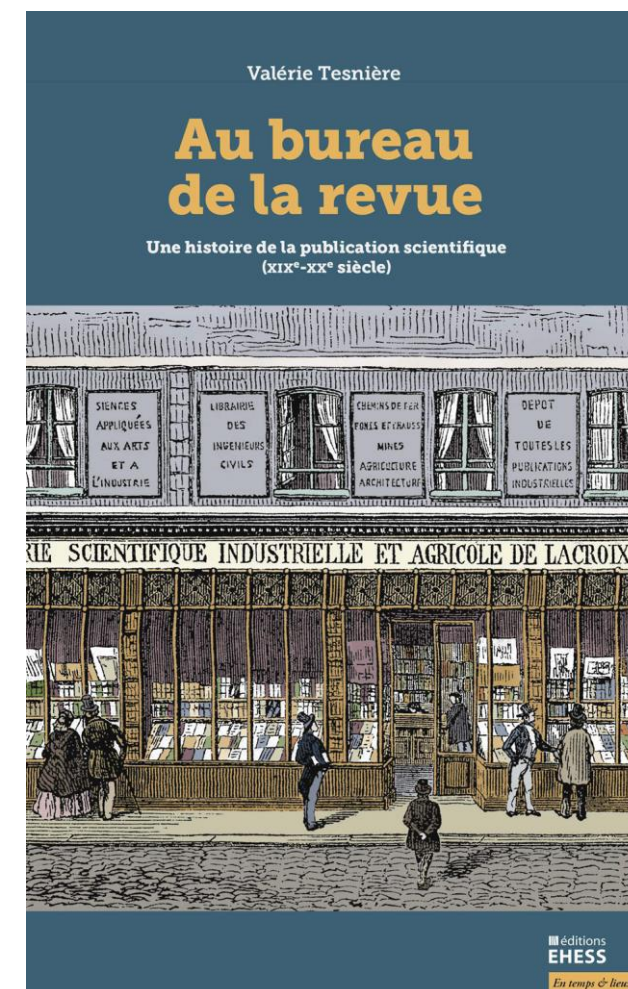
Au bureau de la revue

UNE HISTOIRE DE LA PUBLICATION SCIENTIFIQUE (XIXE-XXE SIÈCLE)

Valérie Tesnière

Entre histoire des sciences et histoire de l'édition, Valérie Tesnière retrace une histoire de la publication scientifique et des ressorts du travail intellectuel, de la fin du XVIII^e siècle aux mutations numériques d'aujourd'hui. « Au bureau de la revue » est une adresse figurant sur les revues savantes au XIX^e siècle, qui désigne aussi bien la rédaction scientifique que le lieu de diffusion. Le livre interroge le collectif qui se trouve derrière cette expression, ses aspirations et les tensions qui le traversent.

La revue suscite un large engouement au lendemain de la Révolution française : la vie scientifique se structure désormais autour de la publication. Élément central de la science en construction, la revue traduit le mouvement de la recherche comme sa dimension collective. Auteurs et éditeurs s'allient pour renforcer la diffusion de ce qui devient le support privilégié des échanges du monde académique, donnant naissance à une nouvelle économie de la connaissance. Centré sur l'exemple de la production française éclairé par le contexte international, *Au bureau de la revue* approfondit les rôles des différents acteurs de la chaîne de publication ainsi que les fonctions et les formes éditoriales des publications, actuellement bousculées par le numérique.



QU'EST-CE QU'UN LIEU DE SAVOIR ?

Christian Jacob

Encyclopédie numérique

Comment les savoirs sont-ils produits ? Comment se transmettent-ils ? Quelle approche adopter pour apprendre à les observer ?

Qu'il s'agisse d'un laboratoire, d'une agora grecque, d'un jardin botanique, d'une table de travail ou d'une bibliothèque, chaque lieu de savoir possède une dynamique propre, conséquence de son histoire et de ses spécificités. En mêlant l'observation des pratiques à l'interprétation des méthodes de pensée, cet ouvrage étudie les lieux de l'activité savante dans une approche comparatiste.

Construit comme une invitation à la réflexion, situé à la frontière entre histoire et anthropologie, cet ouvrage tente de baliser les hypothèses et les enjeux d'une nouvelle approche des savoirs humains. Il s'adresse à tous les lecteurs qui souhaitent s'engager dans des cheminements parallèles ; il déploie des pistes de réflexion pour les humanités d'aujourd'hui et de demain.

Cet ouvrage a été réalisé avec le soutien du **Labex Hastec**.





The challenge ahead



THANK YOU

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