

The peer review process: burden or blessing to universities?

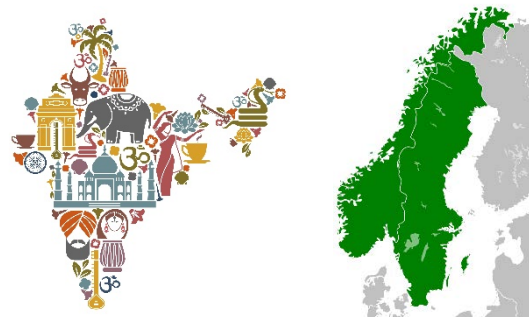
**Transparent & Cost Effective
Digital Open Access Publishing**

D.B.R.K. Gupta udatha

[2016]

CEO – Open Communications Press, Norway
Project Manager – Oslo Cancer Cluster, Norway

Myself 😊



- ❖ Masters – NIT (India)
- ❖ Researcher – Biopharma Industry (India)
- ❖ PhD – Chalmers Univ of Tech (Sweden)
- ❖ Researcher – DTU (Denmark)
- ❖ Postdoc – Univ of Gothenburg (Sweden)
- ❖ Postdoc – Univ of Tromsø (Norway)
- ❖ Postdoc – Univ of Oslo (Norway)
- ❖ Postdoc – Rikshospitalet (Norway)
- ❖ Entrepreneur (Sweden & Norway)

The logo for the journal features a stylized 'C' shape formed by binary code (0s and 1s) in green and red. To the right of the 'C' is the text 'COMPUTATIONAL AND STRUCTURAL BIOTECHNOLOGY JOURNAL' in purple, red, and black.

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**COMPUTATIONAL
AND STRUCTURAL
BIOTECHNOLOGY
JOURNAL**

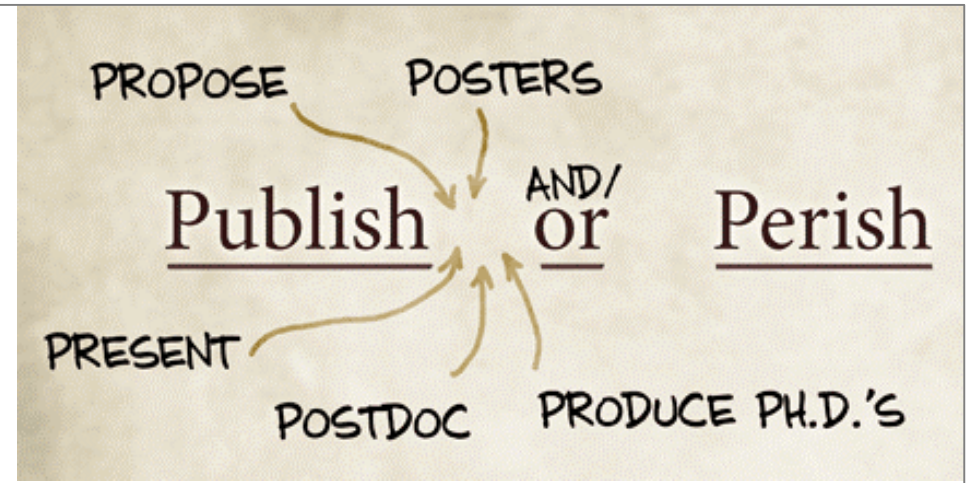


Why researchers publish their work ?

A SCIENTIST: GATHERS KNOWLEDGE ABOUT THE

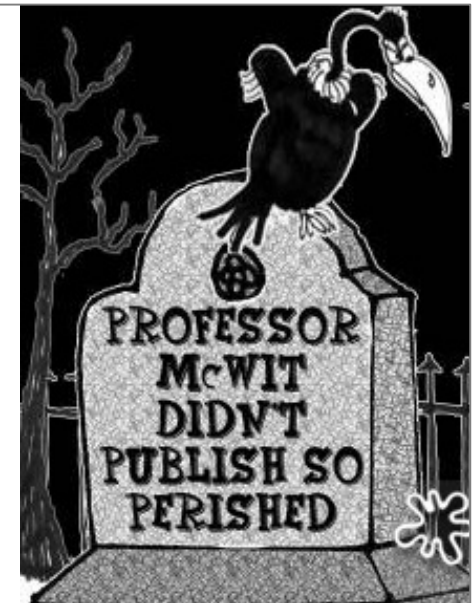


- Communicate results to peers
- Advance the career
- Prestige
- Funding & Rewards



Who is measuring ?

- Employers
- Governments/Funders
- Researchers themselves



The peer-review process

1665



THE ROYAL SOCIETY

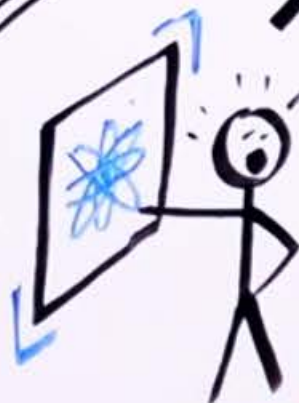
"The philosophical Transactions"



APPROVED!

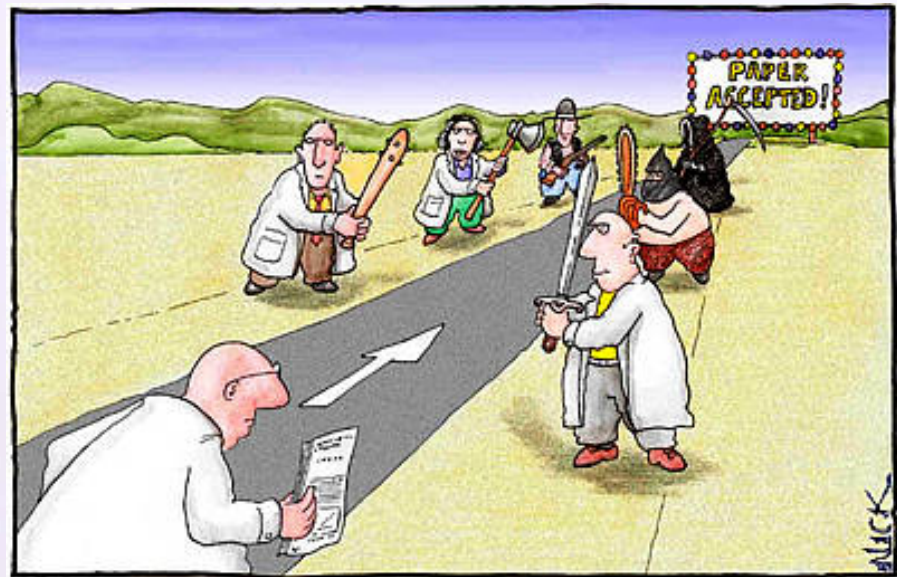
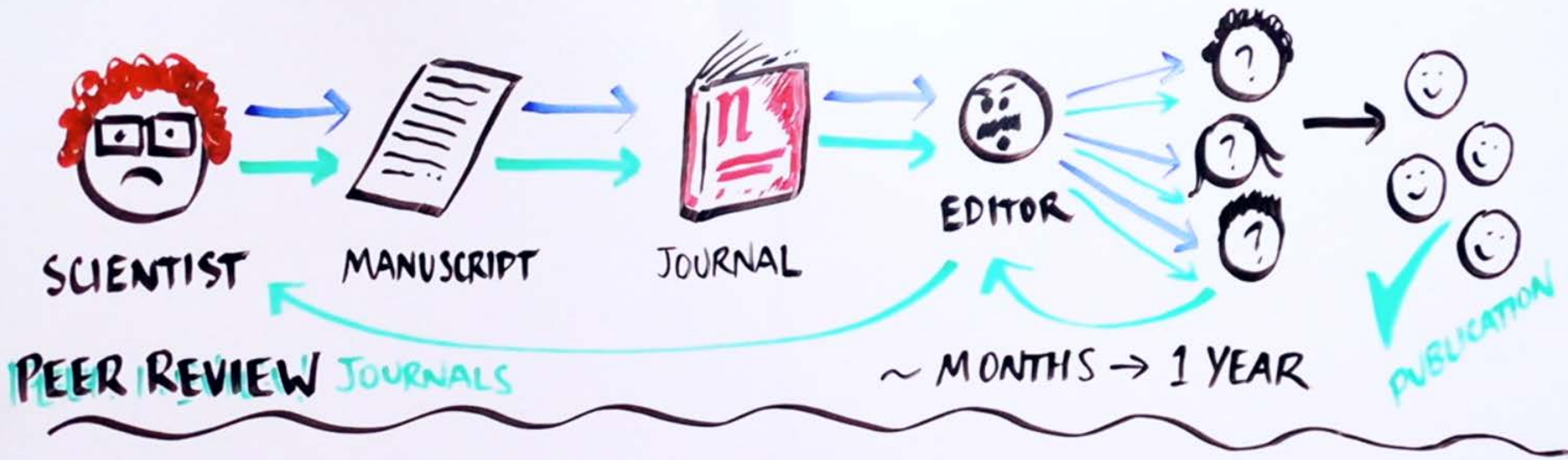
PEER REVIEW

DATE OF PUBLICATION



QUALITY ✓

~ 30,000 JOURNALS





Son, I don't see
your name here...

Can you please check
under the "Publish or Perish"
category..!?!

Rejected
Papers

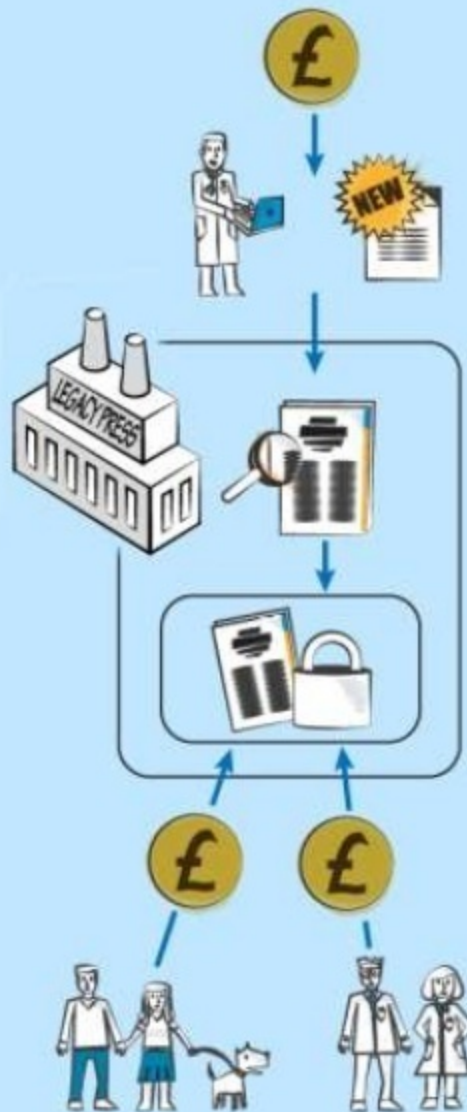
What's the problem?

WHAT IS THE PROBLEM?



Open Access Publishing

Legacy subscription publishing



research and salary paid for by the state and other funders

researcher writes article and submits it to a journal

publisher organises peer review, production, indexing and archiving of article

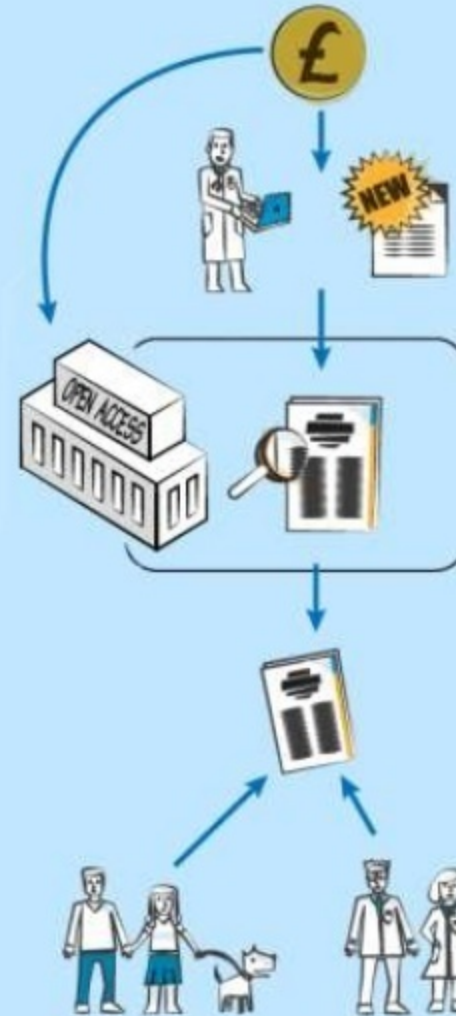
publisher makes article available behind a paywall only

universities pay the publisher for access to the content with state funds

the public pay to view on a per-article basis

vs.

Open access publishing



researcher writes article and submits it to a journal, with processing fee paid by state and other funders

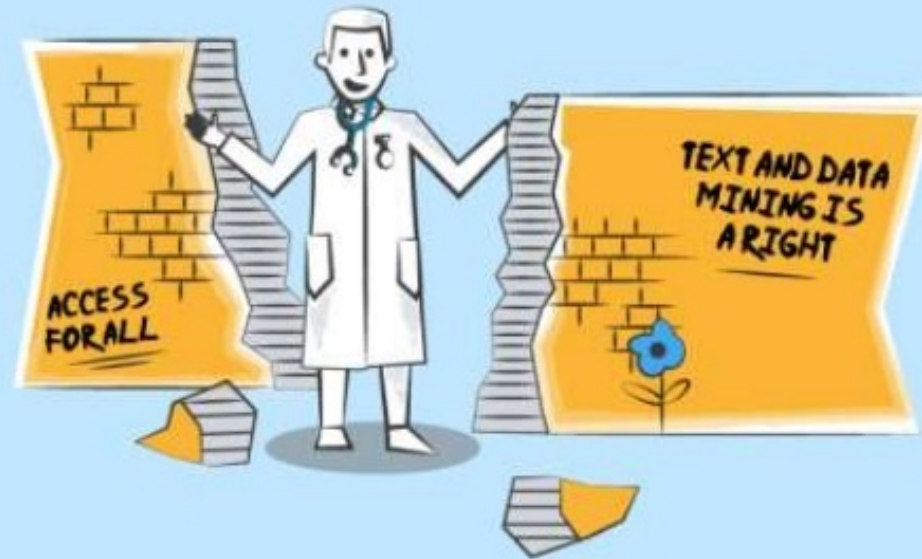
we organise peer review, production, indexing and archiving of article

we make the article freely available to everyone

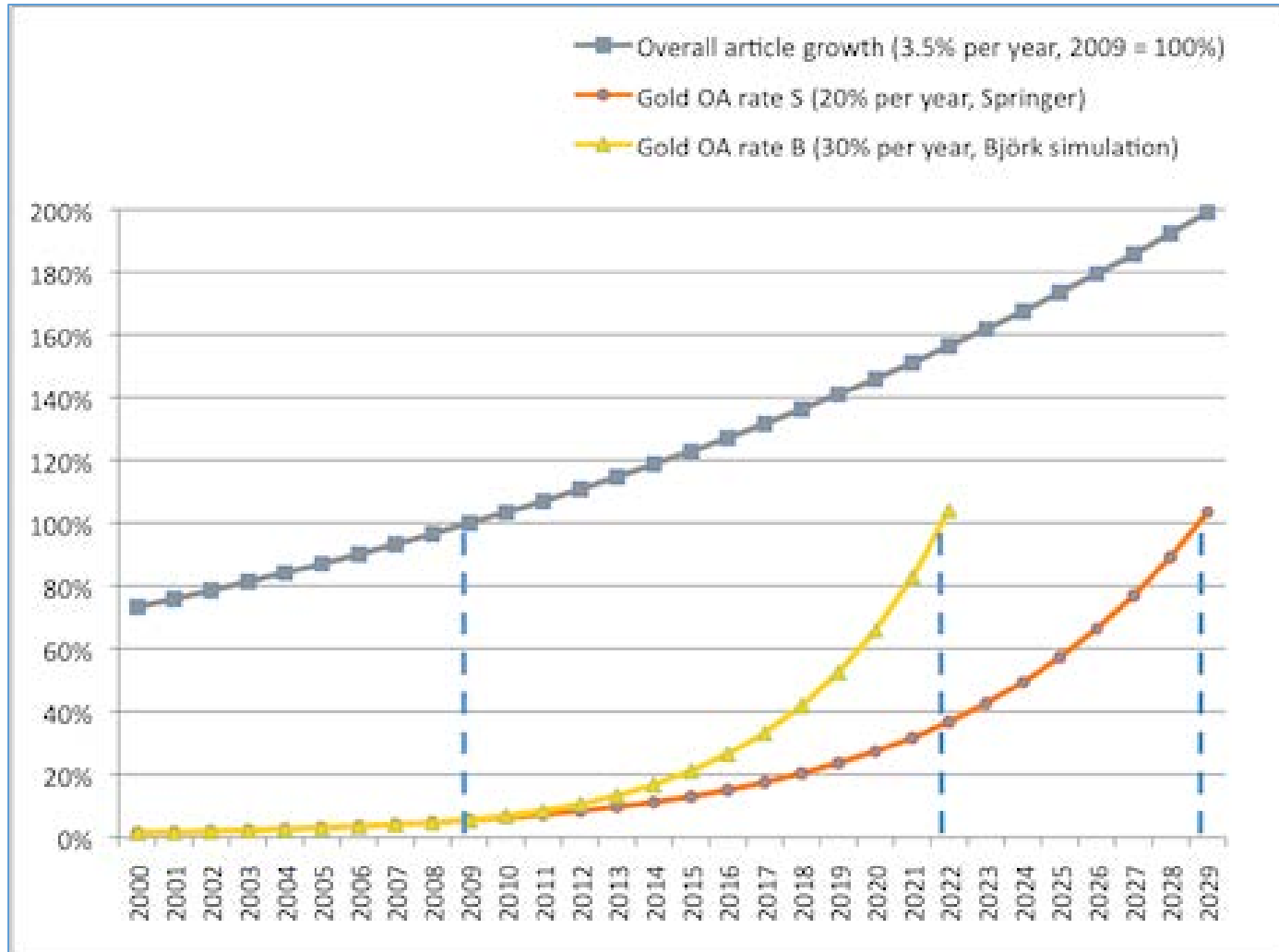
universities and the public (including commercial companies) can access research quickly and at no charge

Open Access

Most simply:
No barriers to access or reuse

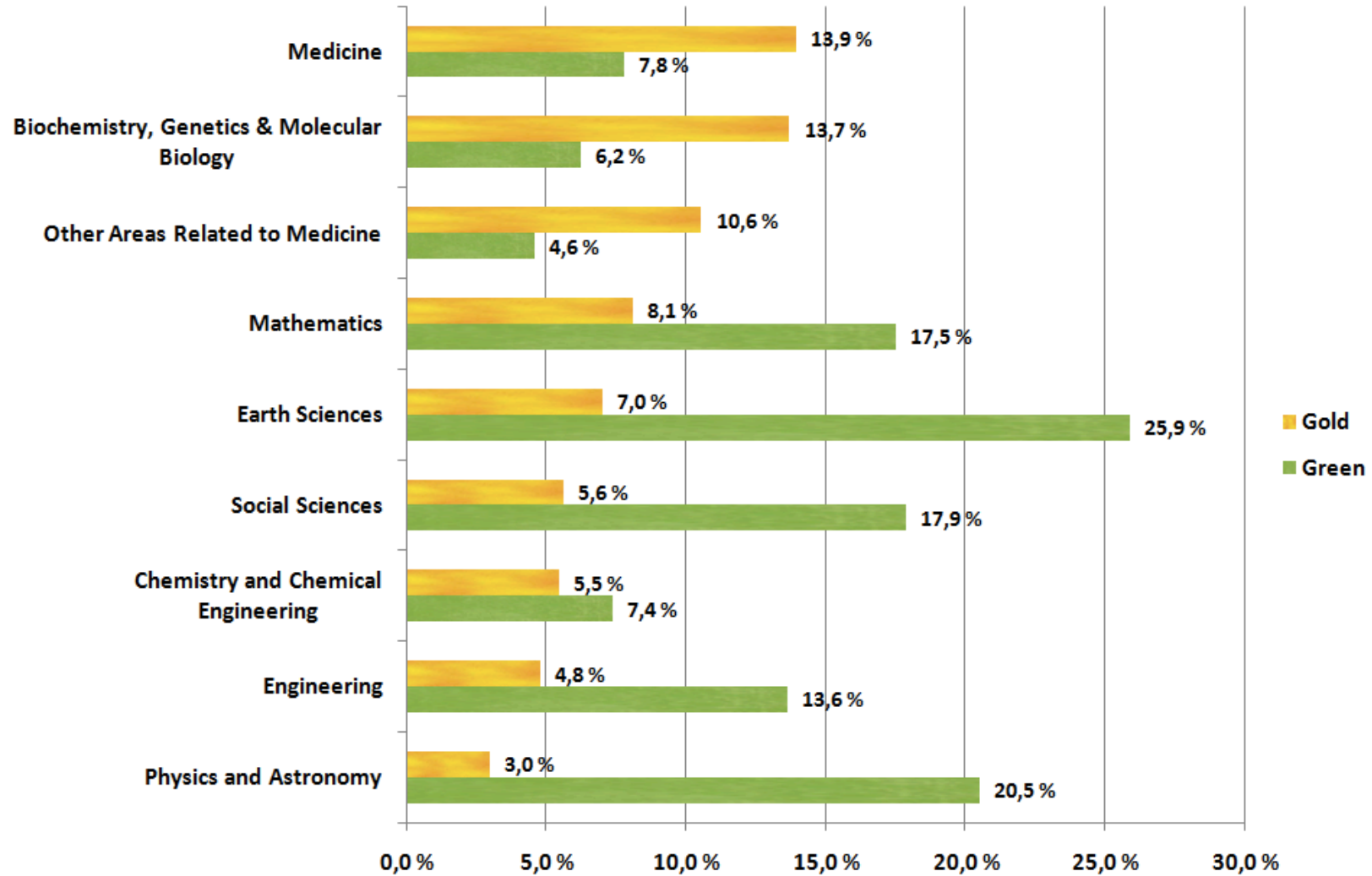


Growth of Open Access



- The European Commission has set a goal for 60% of European publicly-funded research articles to be available under OA by 2016
- National governments in the UK, France, Sweden, and Denmark all targeting 100% OA no later than 2025.

Open Access by Discipline



The peer-review process

Invisible Problem?

Ethical Problem?

Invisible understanding?



The Invisible Costs of Peer review

- Peer review is initiated and managed by the publishers whereas the researchers employed by the universities are doing the peer reviewing work.
- A recent study at the University of Tromsø (UiT) showed that UiT researchers spent as much as 28000 hours each year on peer reviewing for journals or publishers.
- This shows that if the UiT were to employ and pay researchers in positions as reviewers, this would cost approximately € 1,783,000 per annum for the university.
- In other words, the invisible costs of peer review are extensive.

THE COST OF PUBLISHING

JOURNAL PRICES VARY WITH INFLUENCE AND BUSINESS MODEL.

Price of prestige

Open-access prices correlate weakly with the average influence of a journal's articles.

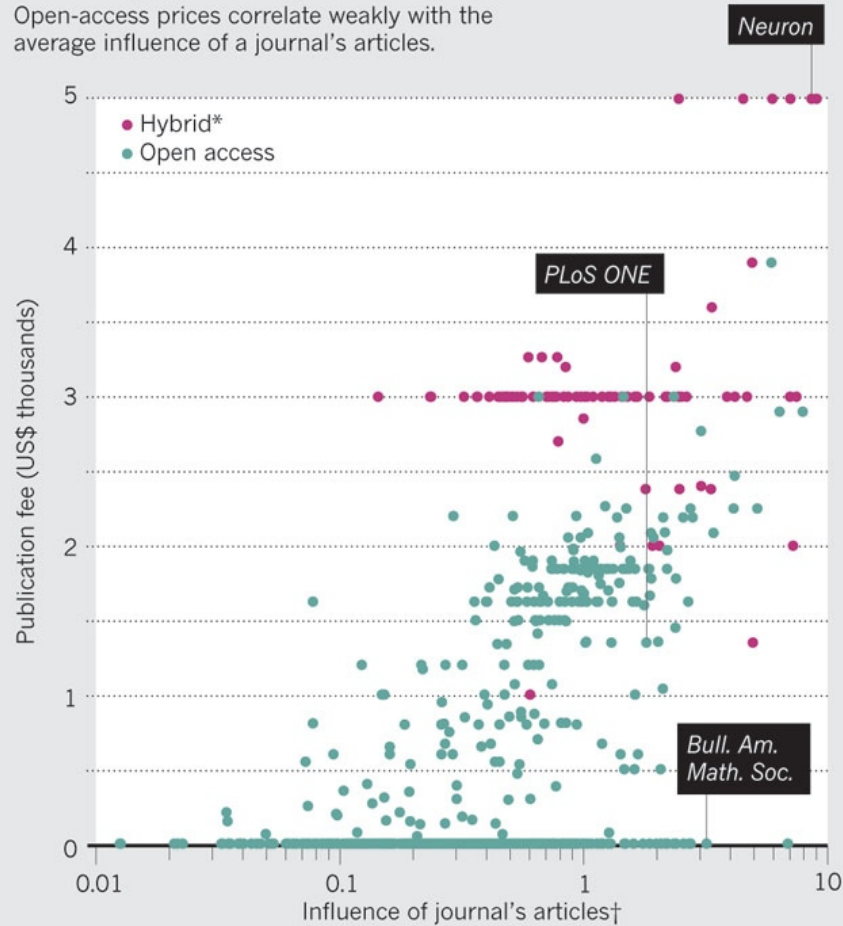


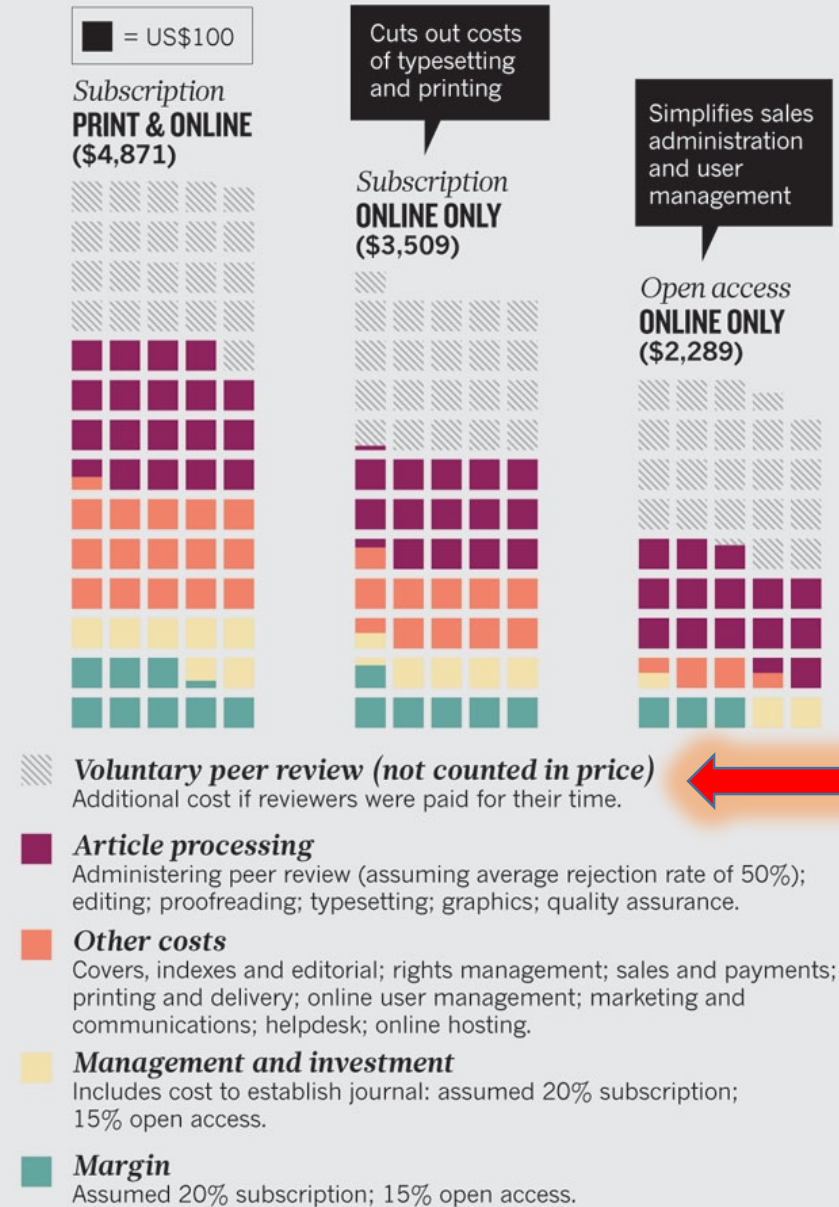
Chart omits open-access journals yet to receive an Article Influence® score.

*Subscription journals that give option of open-access publishing. †Relative score, in which 1 = global average.

The Article Influence score measures the relative importance of a journal, based on the average influence of an article in that journal over 5 years after publication, and normalized so that the global mean influence is 1. Like the impact factor, Article Influence is based on citation counts, but gives heavier weight to citations from papers in journals that are themselves highly cited. See www.eigenfactor.org/openaccess for more.

How costs break down

An economic model shows how switching from subscription to open access changes the costs of publishing.

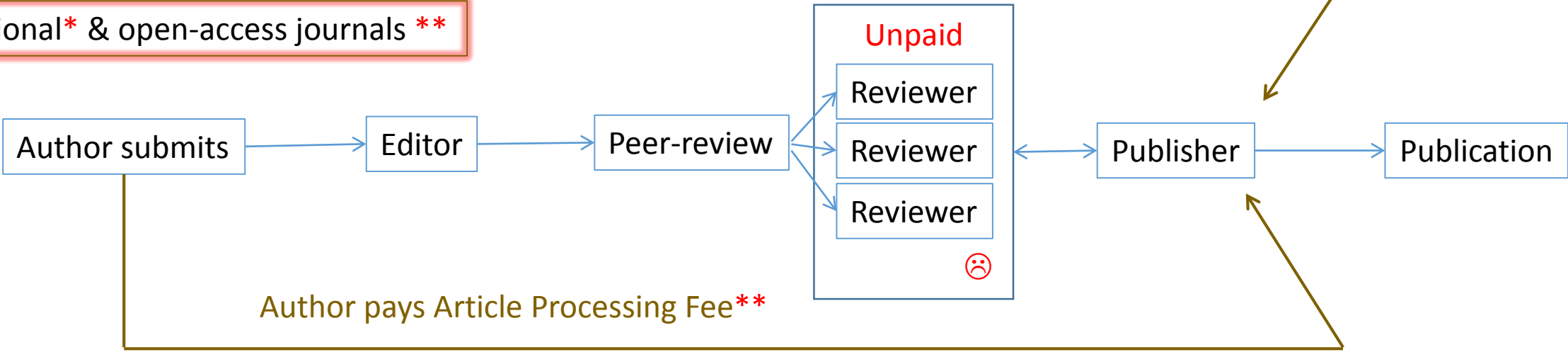


Data from J. Houghton *et al.* *Economic implications of alternative scholarly publishing models* (Joint Information Systems Committee, 2009). available at go.nature.com/uqrxqw.

Turning the burden into blessing !

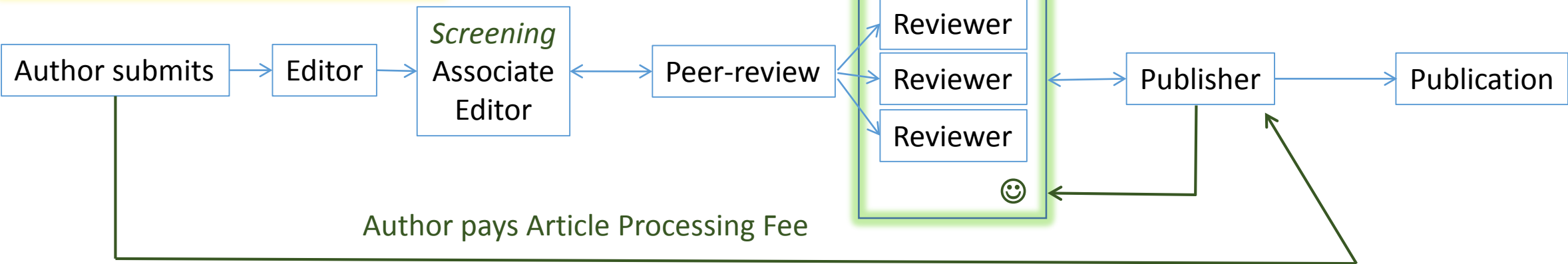
Traditional* & open-access journals **

Readers pay the subscription fee*



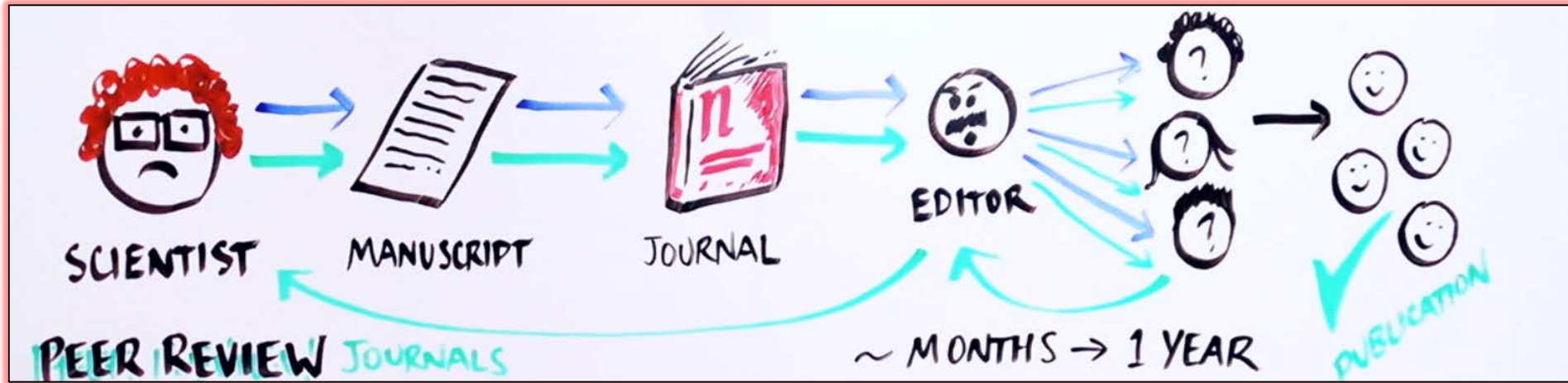
Open Communications Journals

*Discounts on APC
*Honorarium



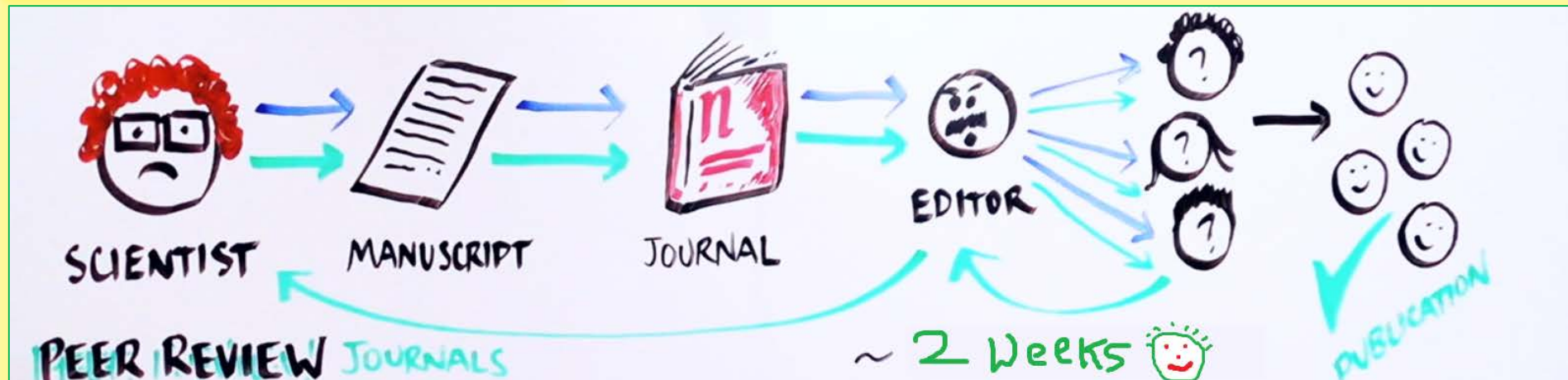
Faster publication process & happy reviewers-authors-readers

Traditional & open-access journals



Unpaid reviewers perform the reviewing task when they find some time

Open Communications Journals



Paid reviewers perform the reviewing task in the deadline of 1-2 weeks

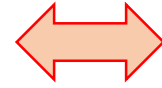


UiO
University of Oslo



Oslo
University Hospital





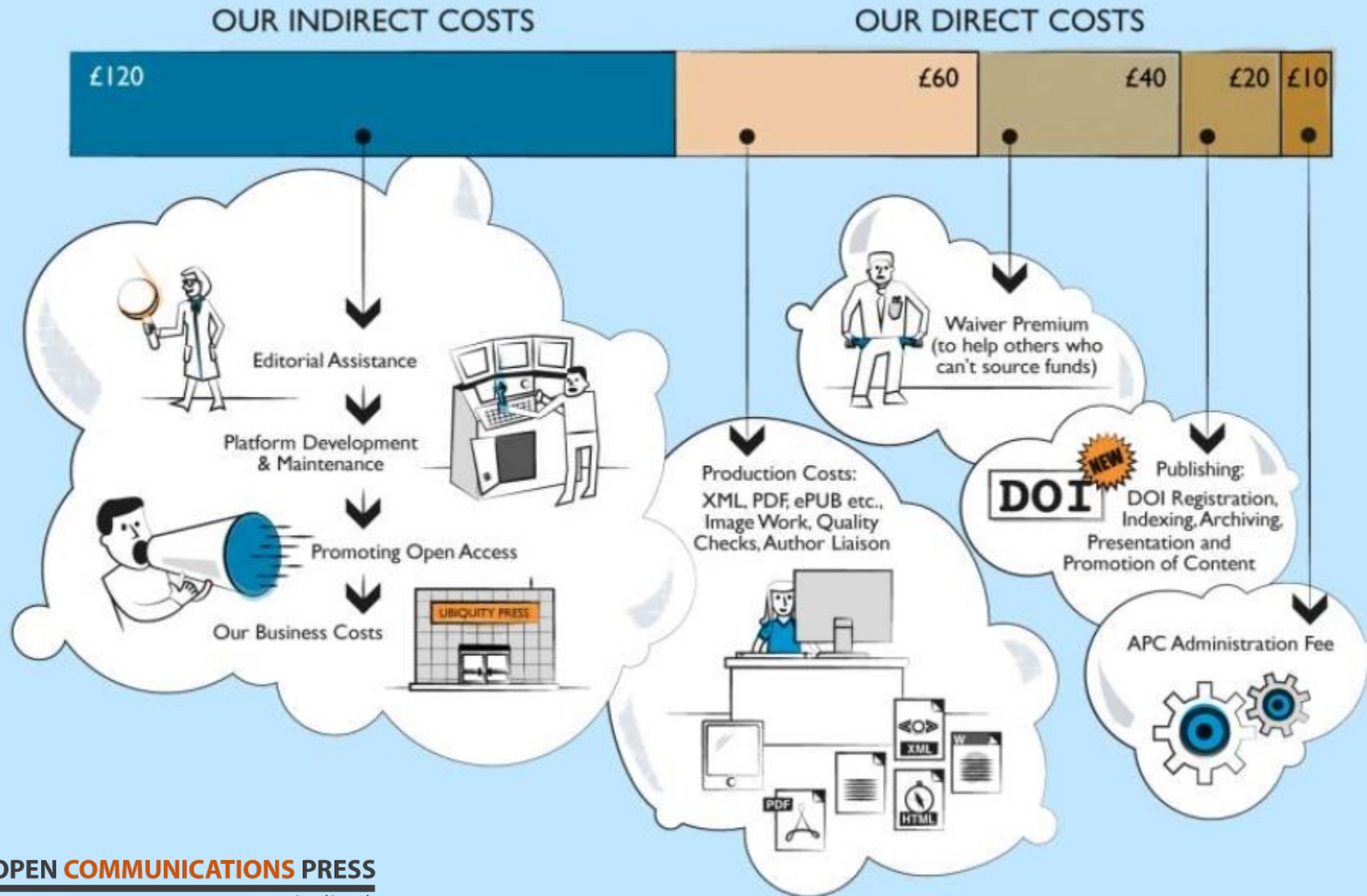
Phase-1: the following Open Communications Journal series will be launched...

- *Open Communications in Biology*
- *Open Communications in Chemistry*
- *Open Communications in Medicine*
- *Open Communications in Physics*
- *Open Communications in Clinical Science*
- *Open Communications in Computer Science*

Phase-2: the following Open Communications Journal series will be launched...

- *Open Communications in Mathematical Sciences*
- *Open Communications in Engineering Sciences*
- *Open Communications in Astronomy & Space Sciences*
- *Open Communications in Earth & Environmental Sciences*
- *Open Communications in Legal & Political Sciences*
- *Open Communications in Education Sciences*
- *Open Communications in FEMB (Finance, Economics, Business & Management)*

Article Processing Charges (APCs)



Addressing the cost barrier

PROFITABLE OPEN ACCESS FOR ACADEMIC SOCIETIES

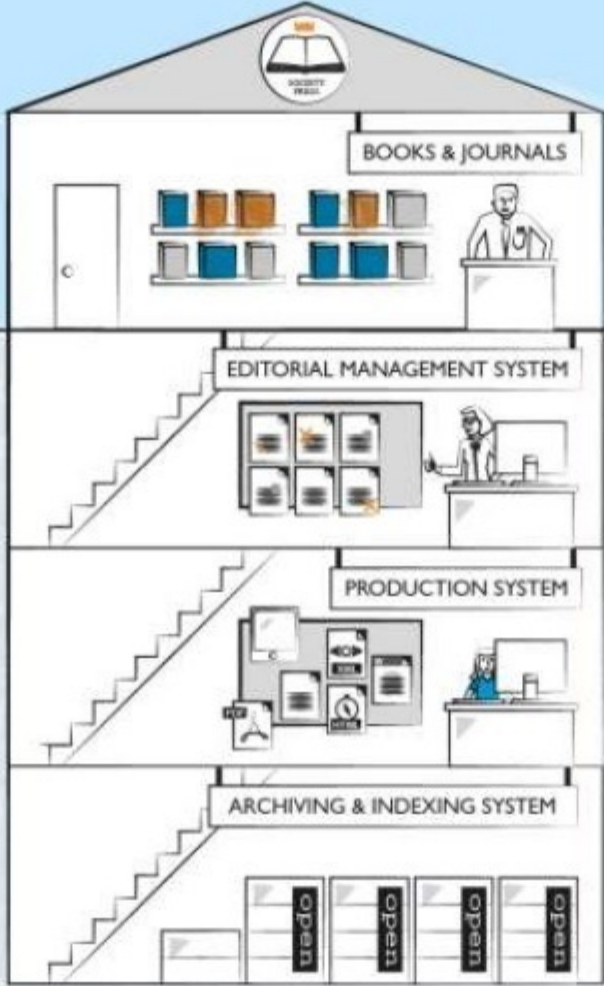
Our base Article Processing Charge (APC) is only £250



Societies can increase the charge to add income, and still beat legacy publishers on price

POWERING UNIVERSITY PRESSES

Fully rebranded platform



Integrates university researchers into peer review database

Automatically links to data repository



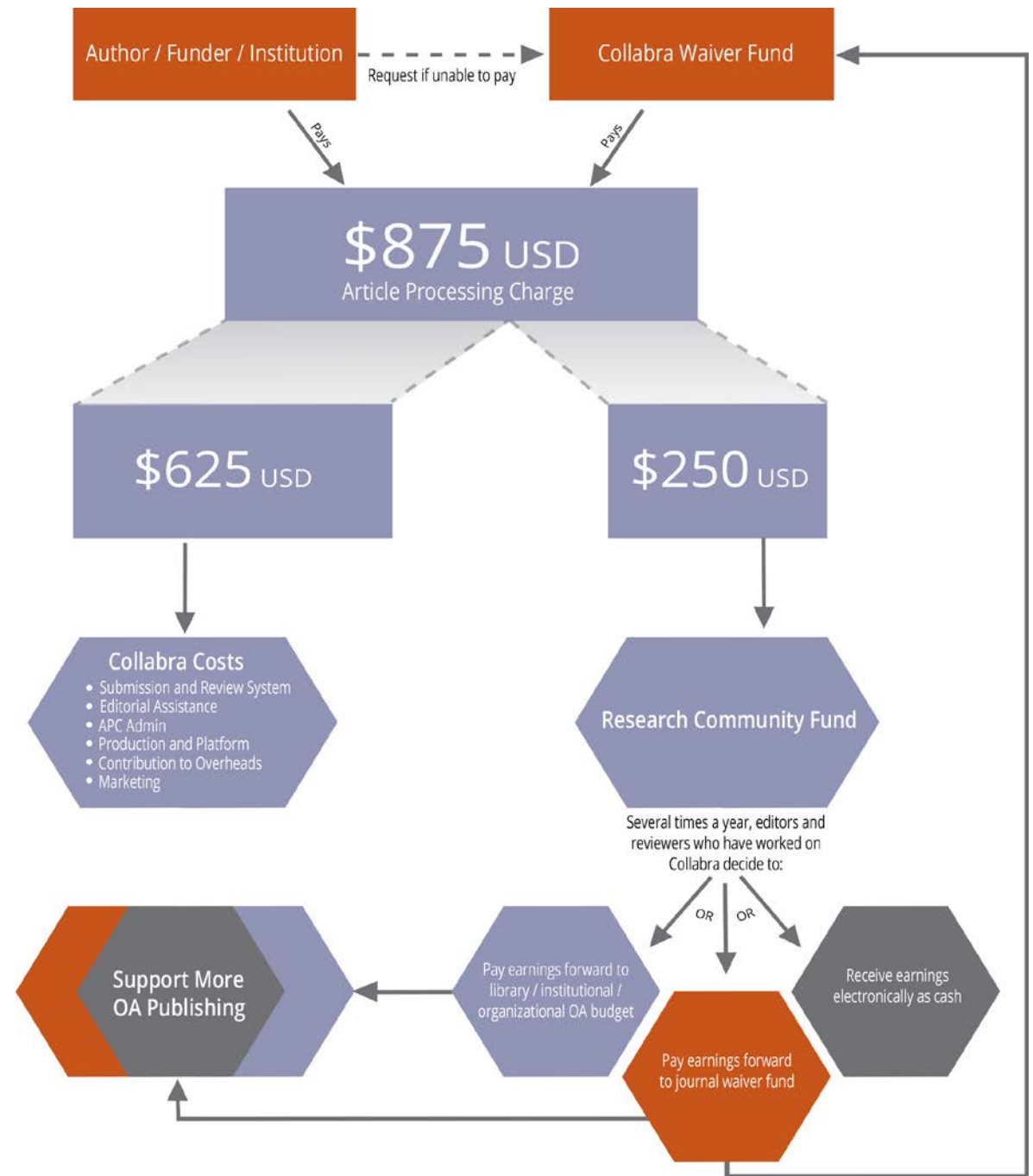
 **OPEN COMMUNICATIONS PRESS**
open access, peer-reviewed journals

take care of the technology, development and production



UNIVERSITY
of CALIFORNIA
PRESS

Collabra: Psychology





Thank You

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