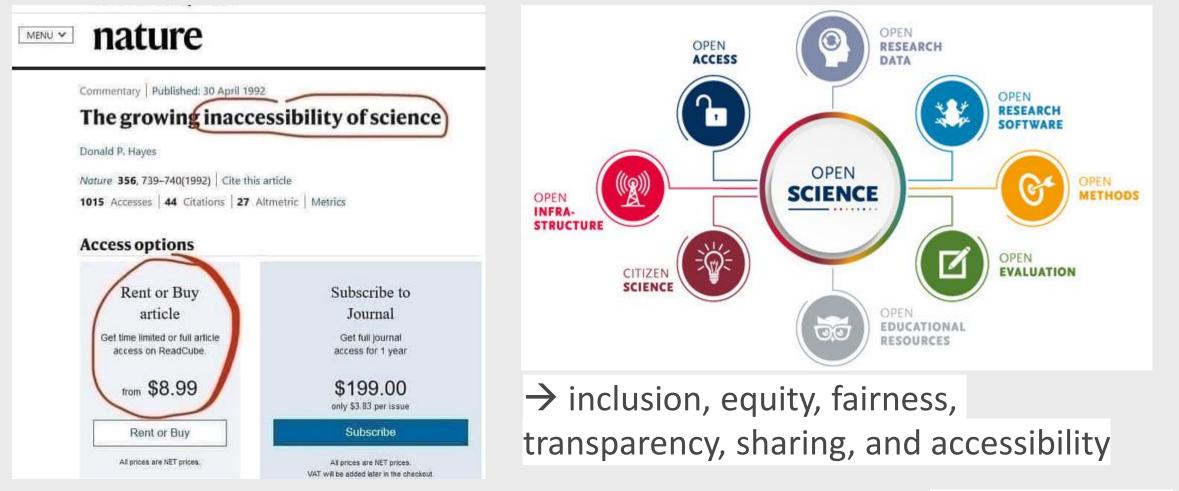# Open Science in transport research. Some points of view from the perspective of the researcher/editor

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→ inclusion, equity, fairness, transparency, sharing, and accessibility

Open Access (OA)

-lock-in effect (most prestigious journals are non-OA, why publish OA)?
-OA is 'on the move' : https://creativecommons.org/

Important but informal distinction:

- Green OA (self-archiving – possibly embargo, or non-final version)
- Gold OA (author pays – supported by e.g. NSF, ERC)
- Platinum OA ('no-one pays' – journal supported by institution)

Each has its disadvantages:

Green: embargo, or confusion about versions
Gold: enriches publishers, incentive for predatory journals ('MDPI', 'Frontiers in ...', Plos One, ...)
Platinum: difficult to sustain (but see EJTIR, in part ETRR)

Open Access (OA)

Gold OA is rapidly becoming the dominant OA option
1. Regular journals offering Gold OA-option
2. Gold OA-journals

Pitfall (2nd category): **author payment gives publisher incentive to publish as many papers as possible**

Result: quality concerns + prevalence of 'predatory' OA journals

But the field is regulating itself: check your prospective journal at https://doaj.org/ (though not water-tight, too...)

[OA impact on citations hard to assess (why?) – mixed 'evidence']

Open Access (OA)

What about:

-ResearchGate

-Sci-Hub

-Pub Med

-Z-Library

Open Review (OR)

Editor-in-Chief (EiC)
- go = 'paper will be sent out for review via EiC or AE'
- no go = 'desk reject' >> END OF STORY…

Associate editor (AE) (responsible for finding reviewers)

Concept of open and blinded Peer Review

→ 'anonymous' peer review
  → *open* : the reviews, the authors' responses, and the editors' decision are published alongside the article >> the readers can see how rigorous the peer-review process was and how the decision of the editors came about. Errors or gaps in the review process can be more easily noticed by fellow researchers. [e.g. PLOS One]
  → *open* : post-publication peer review or interactive peer review [e.g. F1000Reseach, ScienceOpen]
  → blind (single vs double)