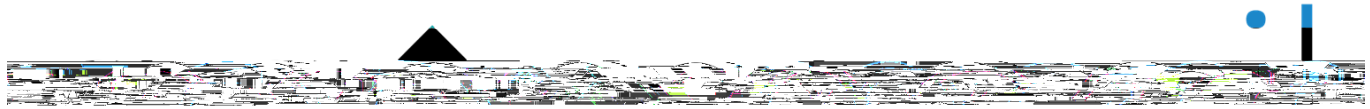


Cumulative advantage in open environments: risks and solutions

Thomas Klebel & Tony Ross-Hellauer
Open and Reproducible Research Group, Know-Center/TU Graz

3rd United Nations Open Science Conference
9th February 2023

The ON-MERRIT project

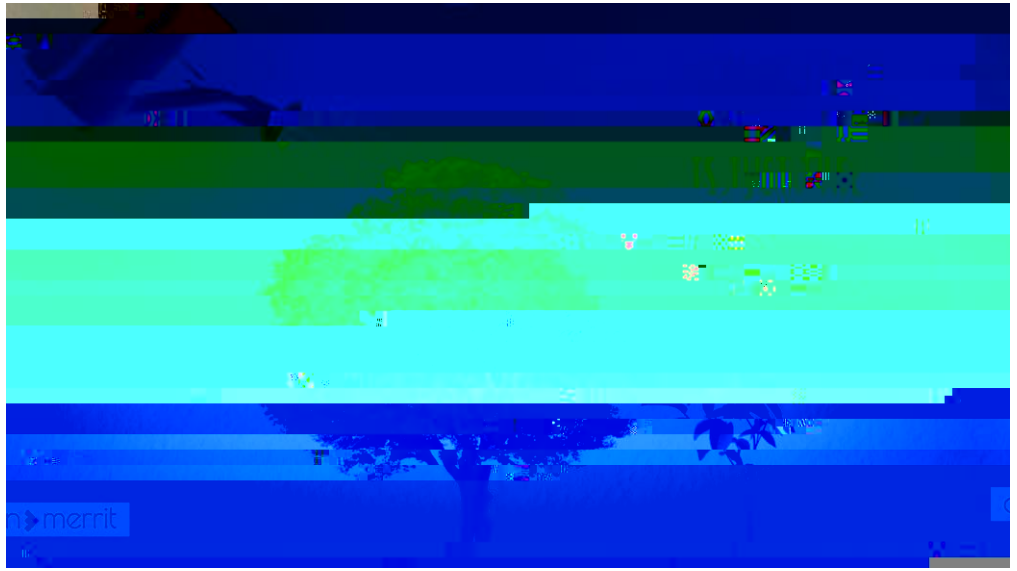
- H2020 project: October 2019 - March 2022
- Methods: Sociological, bibliometric and computational approaches
- https://on-merrit.eu

Universidade do Minho

The Open University

Objectives

- Examine issues of equity in Open Science, including its interfaces with industry and policy
- Ensure that Open Science & RRI interventions contribute to a more equitable scientific system

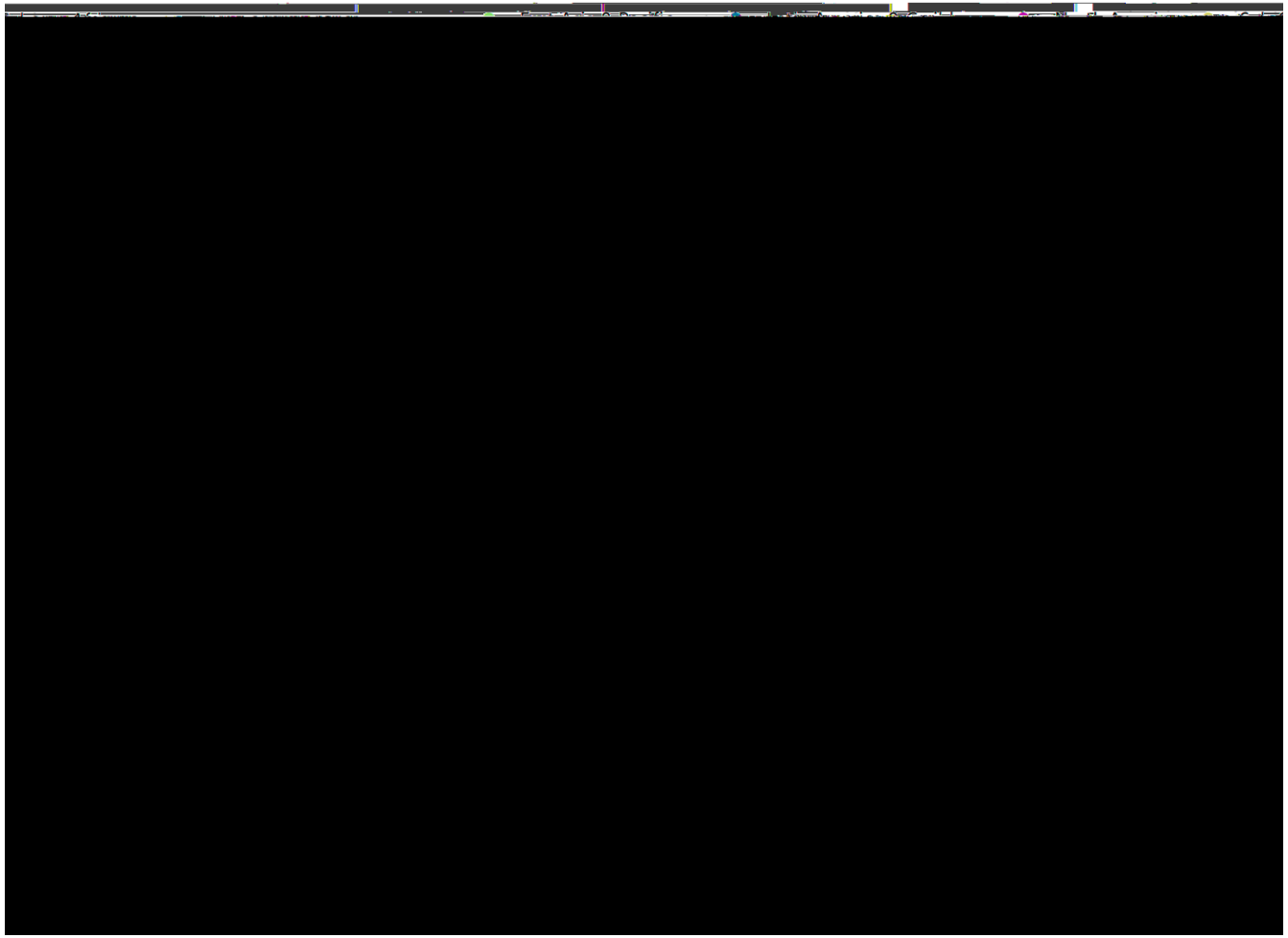


APCs and the stratification of OA publishing

Researchers from better resourced institutions publish more APC-based OA and pay higher APCs.

Influence of institutional resources on levels of APCs is stronger in lower-income countries.

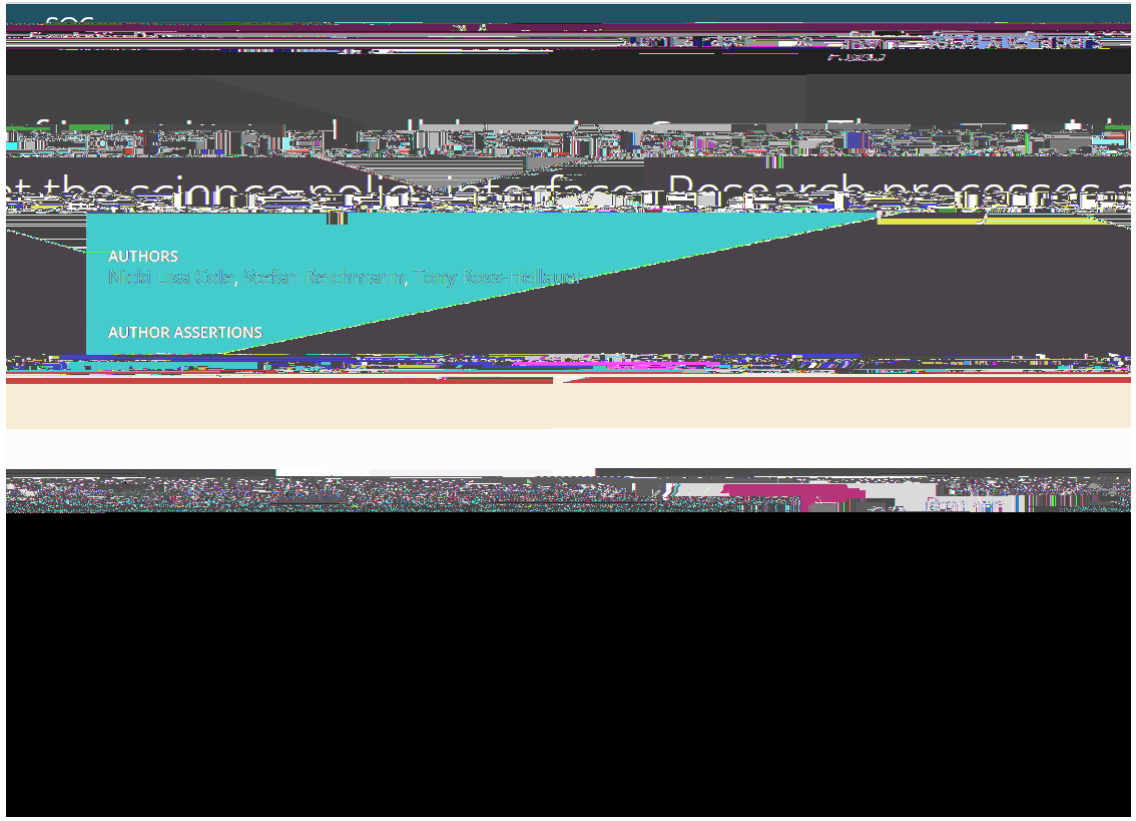
OA publishing involving APCs is creating a new barrier for who can publish where



Klebel, T., Ross-Hellauer, T. (2023). The APC-Barrier and its effect on stratification in open access publishing. Quantitative Science Studies. Advance Publication. https://doi.org/10.1162/qss_a_00245

Inclusion at the Science-Policy Interface

- Qualitative study of researchers working at science-policy interface
- Found limited impact of Open Science so far
- Enabling access is not enough
- Need for Open Science to focus more on cognitive accessibility, upstream engagement and participatory methods



Cole, N. L., Reichmann, S., & Ross-Hellauer, T. (2023). The potential of inclusive and collaborative Open Research processes at the science-policy interface. SocArXiv (preprint). https://doi.org/10.31235/osf.io/qzmf6

ON-MERRIT Recommendations

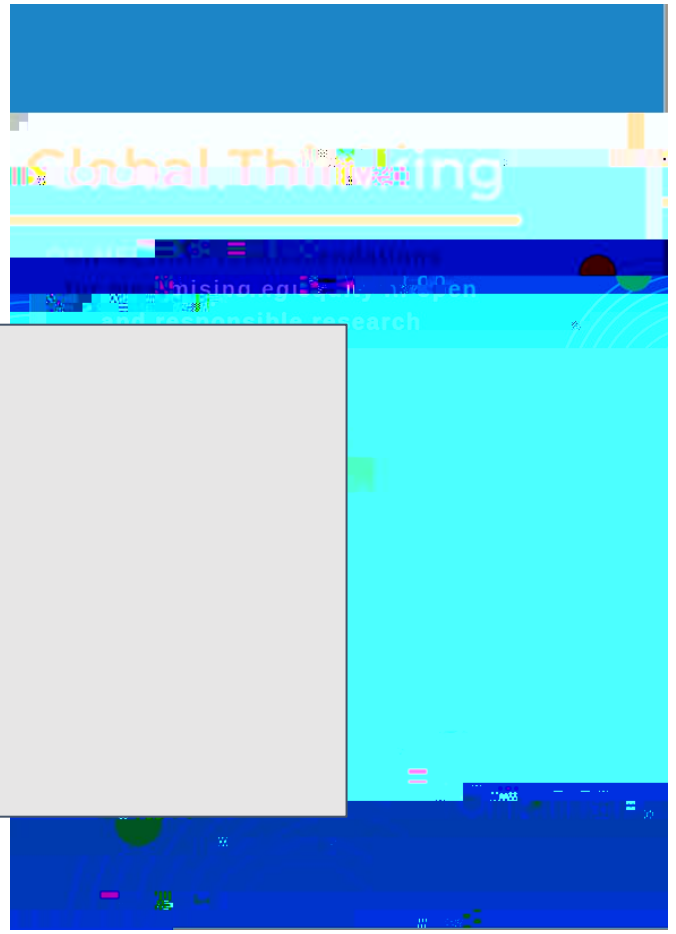
Co-creative, modified Delphi process (anonymous surveys combined with online consensus-building meetings) with diverse experts from three stakeholder grou

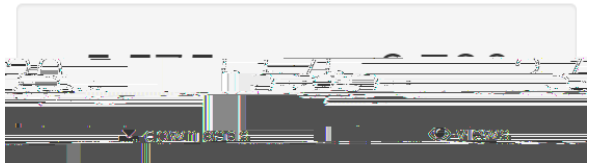
Recently published in Royal Society Open Science

Cole, Reichmann and Ross-Hellauer. 2023.

Fou

- Societal inclusion in research and policy-making
- Reform of reward and recognition





https://zenodo.org/record/6276753