How are publishers adapting to an open research landscape?

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1. Gatekeeping role of journals
2. Peer Review
3. Open data policies
4. Measuring research impact
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Are journals still the gatekeepers of research?

- Traditionally journals and journal editors were the gatekeepers of research
- Peer Review often occurred behind closed doors
- Ensured journals only published the most ‘impactful’ papers
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The pre-publication checks

Submissions are rigorously checked by the in-house editorial team before being published.

- Plagiarism check
- Language review
- Data availability
- Ethical approval (if needed)
- Adhering to guidelines
- Analysis of the method
- Authorship criteria
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Changes in the Peer Review process

- Double blind vs single blind
- Closed vs open peer review
‘Reviewer fatigue’ is defined as the difficulty that an editor faces in recruiting reviewers, who may feel overwhelmed by receiving excessive invitations to evaluate manuscripts.

Publons Global State of Peer Review 2018
Changes in the Peer Review process
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1. Gatekeeping role of journals
2. ‘Predatory publishing’
3. Open Data policies
4. Measuring research impact
“Research data” may be the input or the output of your research process, depending on your study design. The format will depend on both your study design and your research discipline.
Open Data – how, why and why not?

4 Steps to Open Data

1. Prepare your data for sharing
2. Select a repository
3. Add a Data Availability Statement to your article
4. Link your datasets to your article

Boost the credibility of your research
Open data enables replication and validation of your research, which in turn boosts its credibility and robustness. By sharing your data openly, your entire research project becomes more transparent (and satisfies funder requirements, to boot).

Enhance the visibility of your work
Increase the discoverability of your research by reciprocally linking your article and its related datasets. Plus, describing your data with rich, meaningful, machine-readable metadata makes it easy for humans (and computers!) to find and use.

Progress in your career
Researchers can benefit from increased credit and recognition for their outputs by sharing their research data, which in turn may lead to increased opportunities for collaboration – even across disciplines. Plus, one 2019 study suggests that open data can generate up to 25% more citations!

Develop a better understanding of your field
Open data supports learning and enables a deeper, richer understanding of the research topic – this is particularly useful in teaching, as students are able to interrogate raw research data for themselves.
Benefits of Open Science

- Compliance with funder mandates that support open research
- Greater opportunities for collaboration
- Higher citation rates
- Greater efficiencies (and value for money) as research does not need to be repeated
- Greater transparency in the research process
- Increased visibility for researchers
- Greater potential impact of your research
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Measuring Research Impact

- **Journal-Level Metrics**
  - Impact Factor, CiteScore, Eigenfactor
  - Quartiles

- **Article-Level Metrics**
  - Views, downloads, cites
  - Altmetrics
Horizon Europe

1. Creating high-quality new knowledge
2. Strengthening human capital in R&I
3. Fostering diffusion of knowledge and Open Science

Scientific Impact

4. Addressing EU policy priorities through R&I
5. Delivering benefits and impact through R&I missions
6. Strengthening the uptake of innovation in society

Societal Impact

7. Creating more and better jobs
8. Generating innovation-based growth
9. Leveraging investments in R&I

Economic Impact
Thank you

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