Open Peer Review

 WHY: Open Review is a vital aspect of open science
 AIM: Use OpenAIRE infrastructure to seed experimentation
 METHOD: Fund small rapid-prototyping projects to:
 - Investigate how open review might integrate with OpenAIRE
 - Provide case studies for wider evaluation
 - Encourage technological experimentation

Open Peer Review can

 Increase
 • Accountability
 • Reusability
 • Incentive
 • Quality
 • Speed
 Reduce
 • Bias
 • Elites
 • Wasted effort
 • Fraud / Fake Reviews

OpenAIRE’s Open Peer Review Experiments

Enrich Existing Infrastructures

- OPR plug-in for (DSpace) repositories to convert them into functional evaluation platforms
- Enables the peer review of any research work deposited in a repository (incl. publications, data, code)
- Includes open reviews, disclosed identities, reviewer reputation system
- Complete open source code, with full documentation now on Github:
  - https://github.com/arvoConsultores/Open-Peer-Review-Module

From Blogs to Publications

- Collaboration with the environmental sciences journal Vertigo
- Using the blog platform hypotheses.org for open review
- Using hypotheses.org for open commentary
- Treating open review as a social rather than a technological problem
- Human mediation to:
  - Find reviewers and commentators
  - Explain processes and technical aspects
  - Advise authors and referees
  - Help maintain cordiality in debate

Incentivizing Post-Publication Peer Review

- Make “journal club” post-publication peer reviews public
- Elevate reviews to the same level as original research
- Make them citeable (through assignment of DOIs)
- Preserve them for the long-term (via CLOCKSS)
- Measure impact via article-level metrics
- Investigate integration with Zenodo
- Use the open-source tool Terrier to retrieve metadata

OpenAIRE

Openness, Transparency and Interaction in Scholarly Communication

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