Open Peer Review

OPENNESS, TRANSPARENCY and INTERACTION in Scholarly Communication

- 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 ***hypothes.is*** 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

www.openaire.eu
facebook.com/groups/openaire
@openaire_eu
https://vimeo.com/openaire
blogs.openaire.eu/
linkedin.com/groups/OpenAIRE-3893548
natalia@di.uoa.gr

Authors: Arvid Deppe, Tony Ross-Hellauer, Birgit Schmidt