

# The Stakes of Repositories and Bibliodiversity: Community Approaches

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# Timeline in Context

## **Preprints as « early drafts before review »**

1922 : First preprint citation in Physics

1973 : NBER

1991 : arXiv

1997: Repec

2007: Nature proceedings

2013: PeerJ Preprints

2013: bioRxiv

2013: First bibliometric study (arXiv) (Larivière, 2014)

2019: Bibliometric data confirm progress for bioRxiv  
(Abdill, 2019)

# When a community meets a platform

- “Web is being reorganized through platforms that are used as infrastructures” (**Star, 1999**).
  - Visibility, Interoperability, Ranking, Metadata
- *“Preprint server is a repository to which researchers can post their papers directly to bypass the months-long turnaround time of the publishing process and share their findings with the community more quickly”* (**Bourn et al., 2017**)
- **ECRs : Feedback from Harbinger Research Project**
  - Biologists are changing their behaviour



s and Maths are citing more preprints

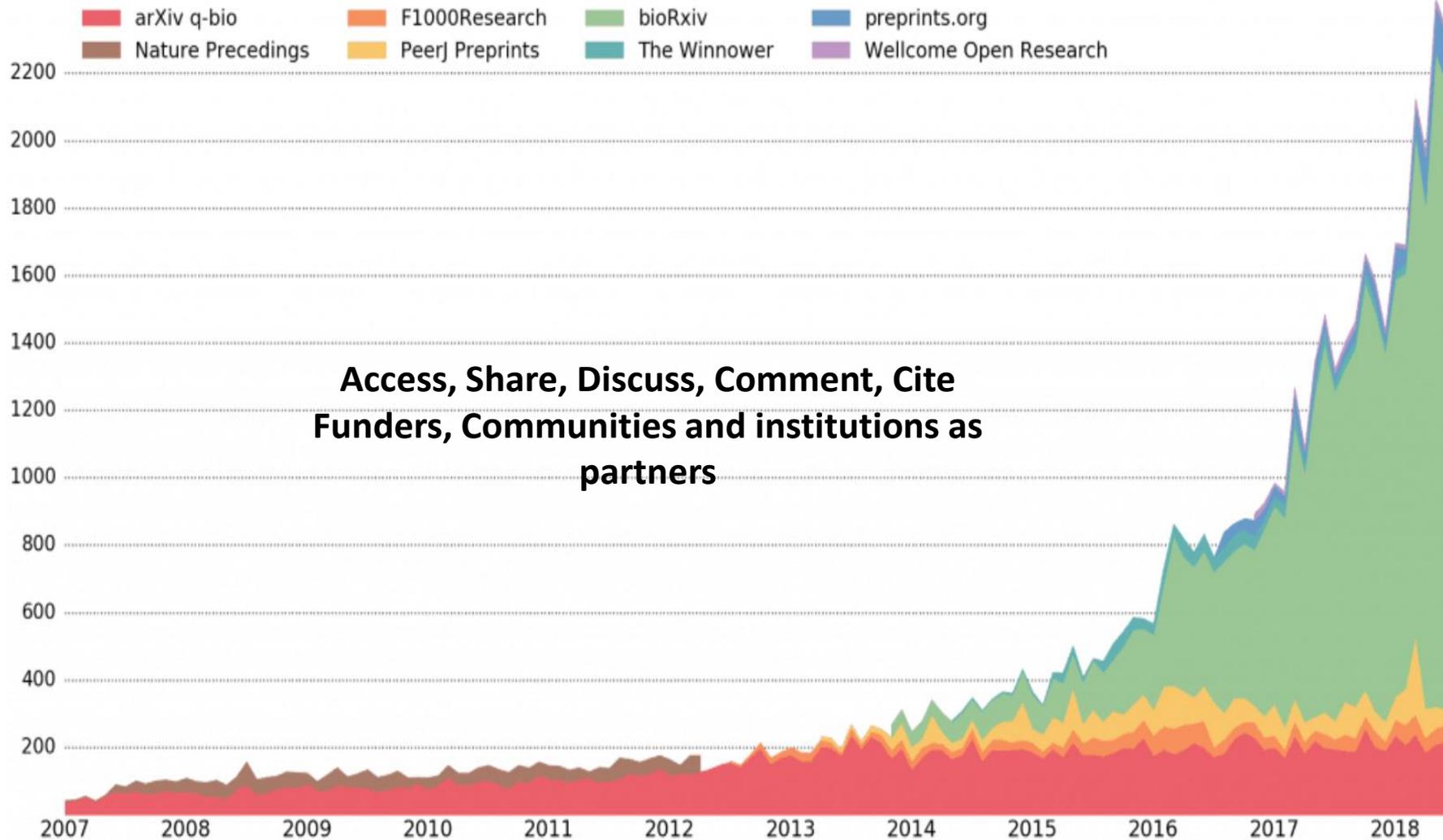


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– Researchers are detaching from their institutions

## Preprints per Month



**Access, Share, Discuss, Comment, Cite  
Funders, Communities and institutions as  
partners**

Jordan Anaya, prepubmed.org

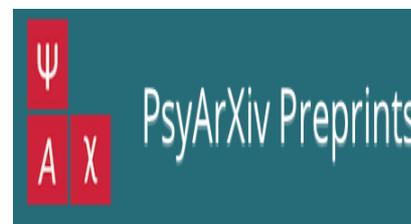


# A Brand to develop

Trust, Access,  
Reputation, Recognition



A “proxy”



What strategies, services and functionalities are developed to support their value?



# Extending Brand Standards

- **COAR Next Generation Pillars**
  - Discovery technologies and standards ; Community services ; Business Models
- Article Cycle : establish priority
- DOIs for each version, ORCID Implementation
- Google Scholar indexing => Discovery and citations
- Subject categories
- Choice of licence: Licences (CC BY, CC BY NC, ...)
- Alerts for current awareness



of impact (article metrics), comments and



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New Results

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## Tracking the popularity and outcomes of all bioRxiv preprints

 Richard J. Abdill,  Ran Blekhman

**doi:** <https://doi.org/10.1101/515643>

Now published in *eLife* doi: [10.7554/eLife.45133](https://doi.org/10.7554/eLife.45133)

**Abstract**

Full Text

Info/History

Metrics

 Preview PDF

**Abstract**

Researchers in the life sciences are posting their work to preprint servers at an unprecedented and increasing rate, sharing papers online before (or instead of) publication in peer-reviewed journals. Though the popularity and practical benefits of preprints are driving

**Discoverability  
Permanence,  
Consistency,  
Priority**

**« Fostering bibliodiversity and innovation without involving the exclusive transfer of journal subscription monies to APC payments » Jussieu Call 2018.**

# A Window for Funders

- **Funders are claiming a new role in scholarly communication**
- *“We strongly encourage, and in some cases, may require, researchers to deposit manuscripts as preprints before peer review” (CZI, 2018)*
  - A new form of control?
- **Purposes of commitments (Ross-Hallauer et al., 2018)**
  - Increase OA uptake and foster open practices
  - Control costs of OA



se funder branding of research.



# Preprint Servers Over Time

- **Legitimation**

- 2016: Crossref announcement
- 2017: Preprint citation in grants applications policies (NIH, WT, MRC-UK)
- 2018: Communities Up Take
- Next step: recognizing preprints as an « outcome »

- **New spaces to explore bibliodiversity**

- Push Journals to consider preprints and to adapt



policies to consider an extended life cycle of the preprint (Haustein, 2015)



# To Conclude

***“The question of the archive is not, I repeat, a question of the past...but rather a question of the future, the very question of the future, question of a response, of a promise and of a responsibility for tomorrow. The archive: if we want to know what this will have meant, we will only know tomorrow” (Jacques Derrida, 1996).***