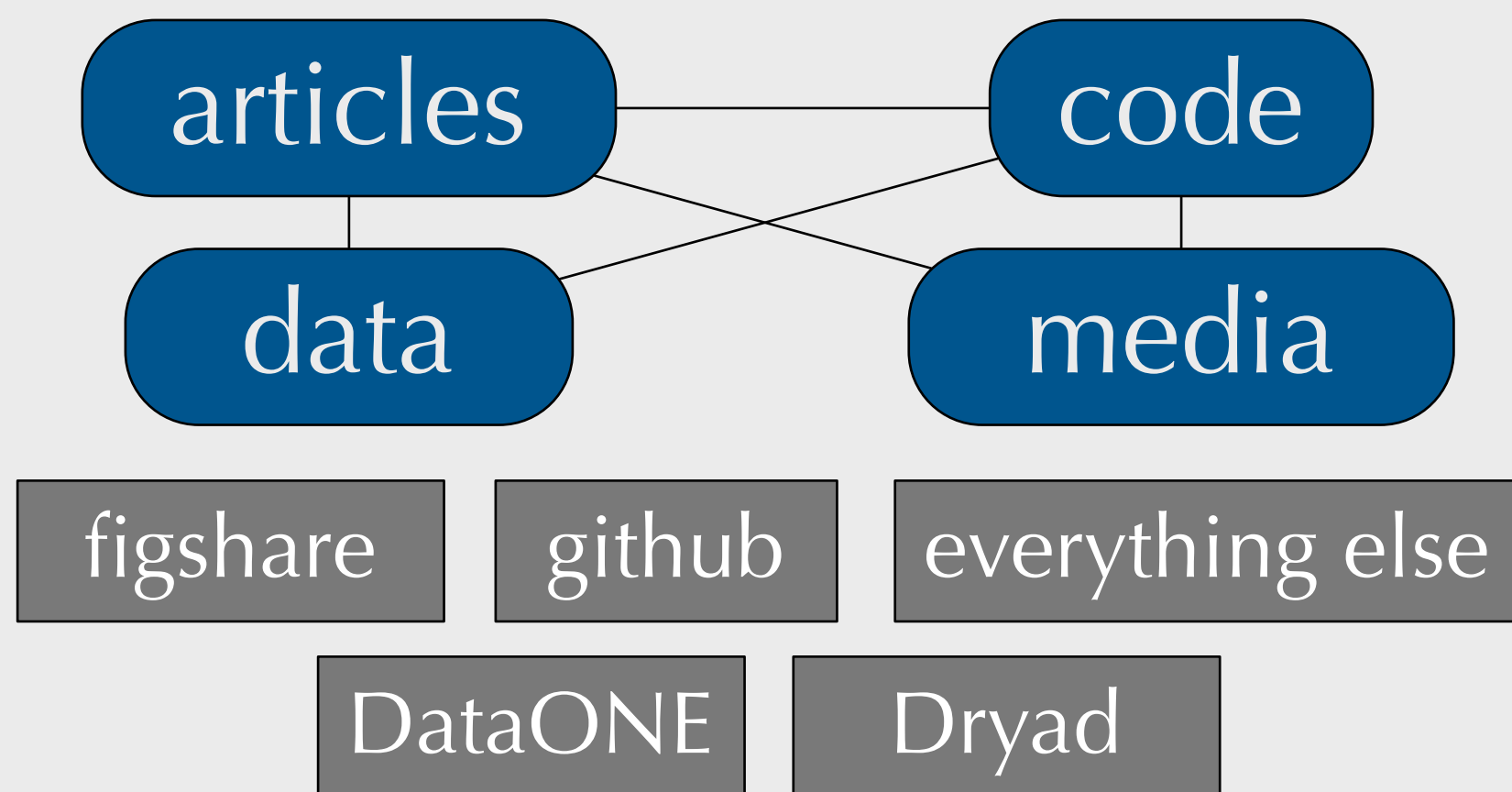


The OpenPub Project: New Approaches and Platforms for Scientific Publishing

Edward B. Baskerville, Joseph Genden, Jarrett E.K. Byrnes, Amber Budden, Bruce Caron, Christopher J. Lortie, Cameron Neylon, Mark P. Schildhauer, and Carol Tenopir

The Four Pillars

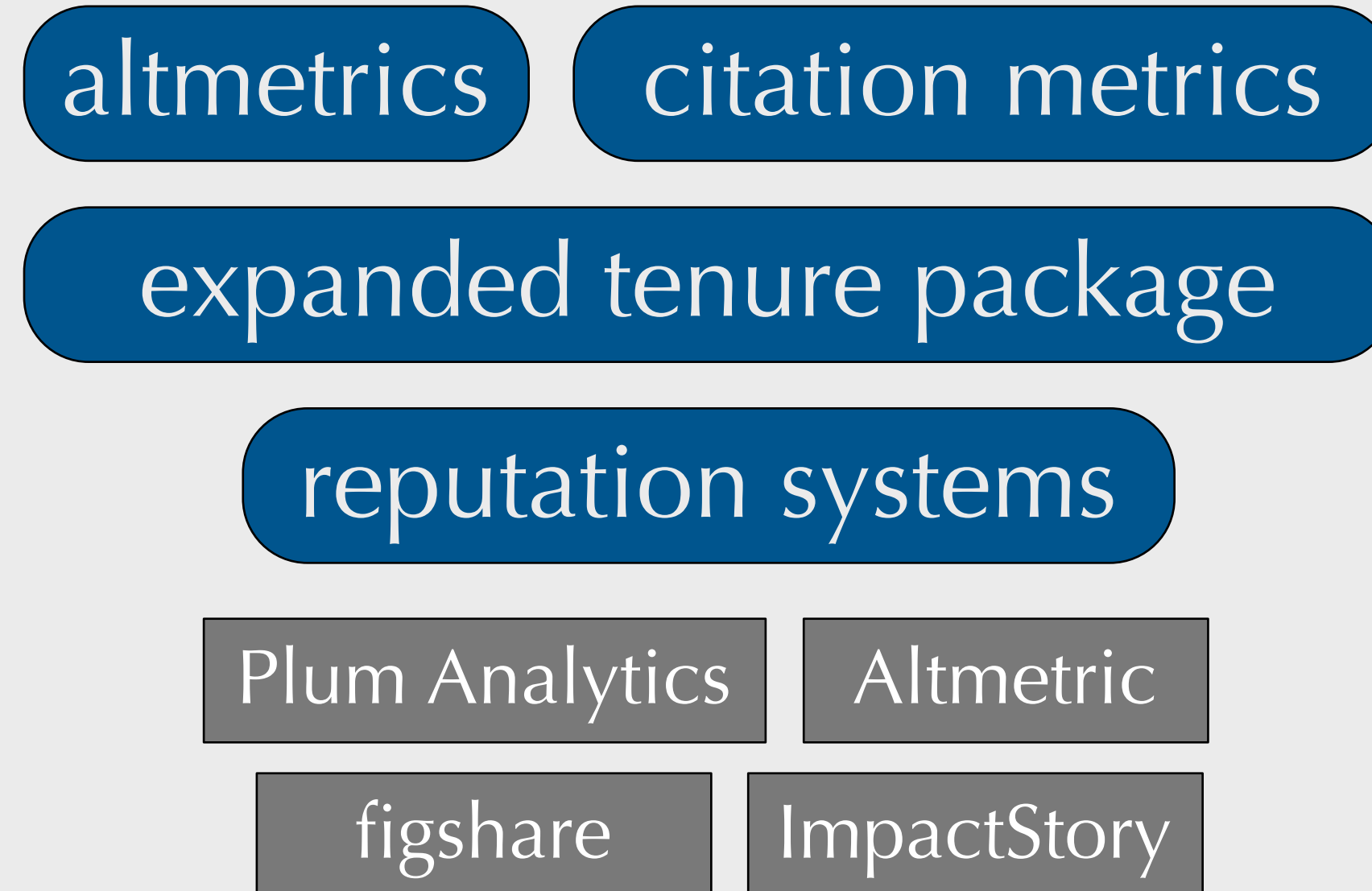
1. An Ecosystem of Scholarly Products



2. Immediate Access



4. Full Reputation and Recognition



3. Open Review



Networked Discovery



Discuss at peerj.com/preprints/11 (Byrnes et al. 2013)

The Experiment

Goals: (1) learn about efficacy of new modes of discourse; (2) drive cultural change

1. Recruit scientists

- to post preprints
- to engage in discussion, review, meta-review
- to report back

2. Take initial survey

- past experience
- incoming attitudes (about existing system, future directions)

3. Run experiment

- 6 months of activity
- require minimal participation
- measure usage statistics
- improve reputation metrics

4. Take outgoing survey and report findings

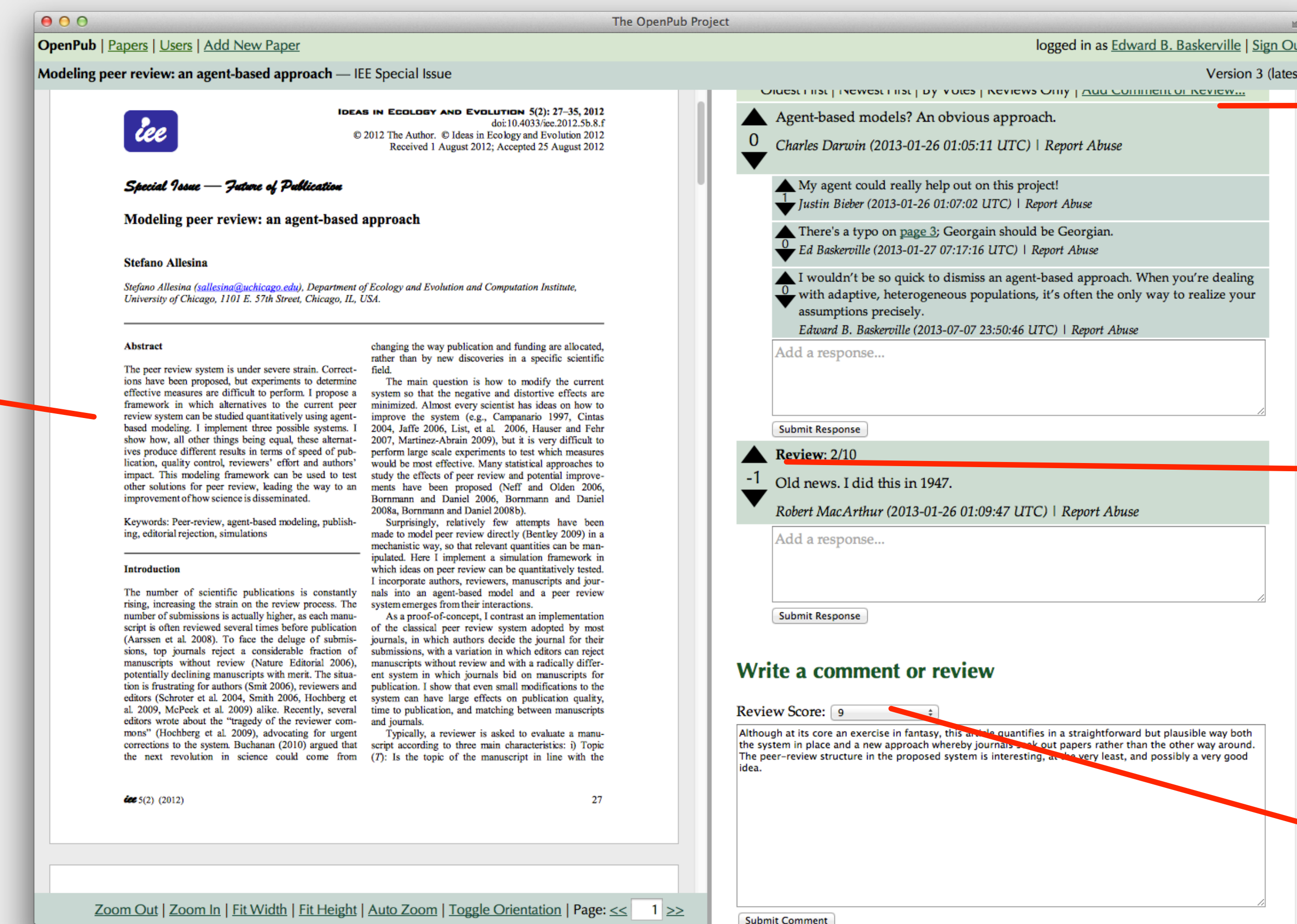
The Prototype: Preprints + Open Review

Built with Ruby on Rails

Inline PDF viewer (Crocodoc)

Graphic design by professional non-designer

FUNDING FRIDAY!



Comments & discussion

Meta-review: vote comments up/down

Reviews: substantial comments with attached review score

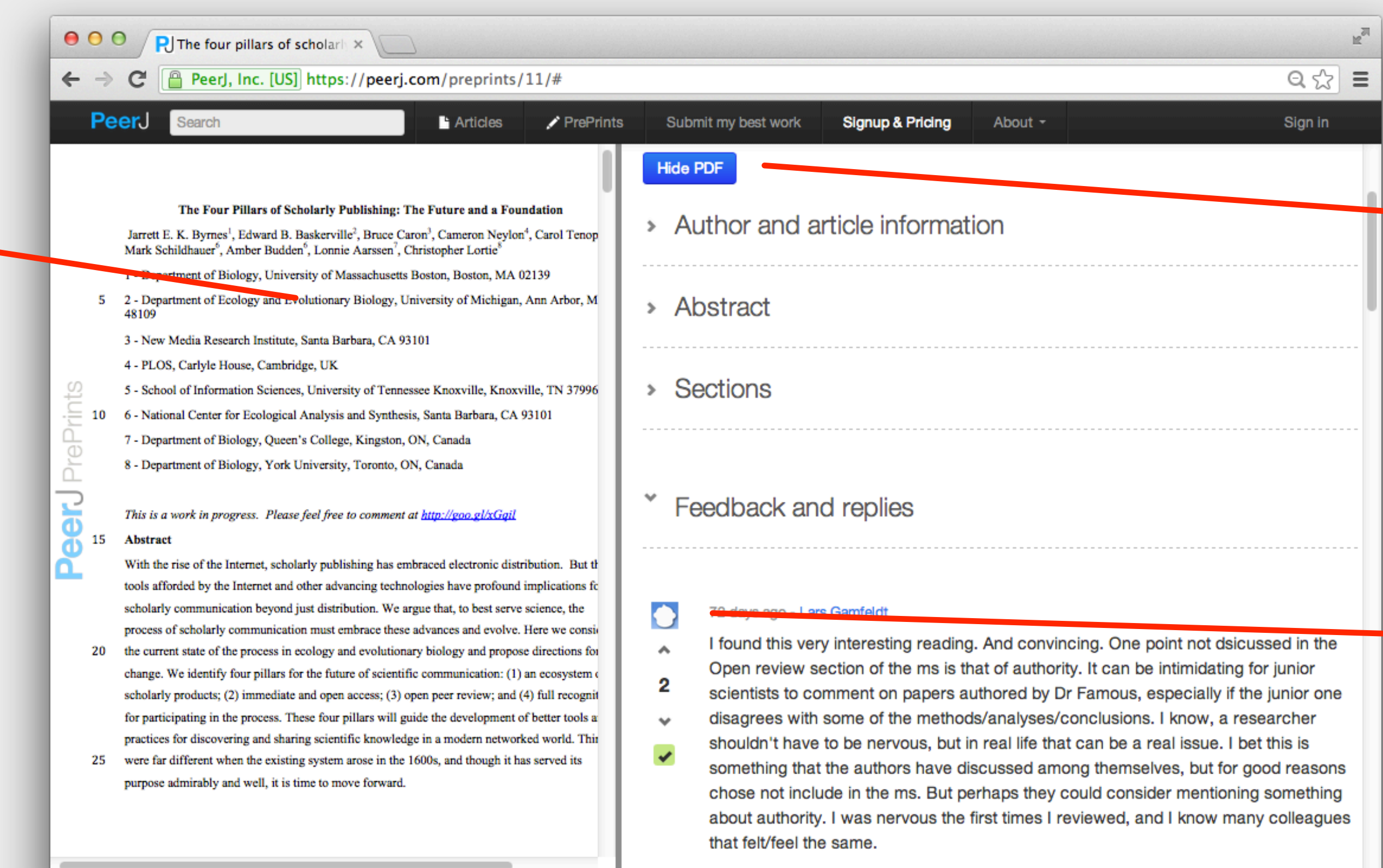
openpub.org

github.com/edbaskerville/openpub

Preprintologist: inline PDFs for PeerJ and arXiv

Loads preprint into inline PDF viewer

Implemented as browser extension



Show/Hide PDF Button (not normally there)

PeerJ PrePrints implemented most of our other features

github.com/edbaskerville/preprintologist

Our current approach:

- Seek one of the new preprint platforms as collaborator for experiment.
- Encourage the addition of features to support discourse and reputation systems.