

# PREPUBLISHING

## Beyond the PDF

—

Alberto Pepe

Preprinting is on the rise. This has implications for publishing and publishers.

# Data

1. The arXiv (physical science) has published over 1.3M preprints at a current rate of 10k/month
2. SSRN (social sciences) has published over 650k papers at a current rate of 5k/month
3. BioRxiv (biomedical sciences) has recently surpassed 1k submissions per month

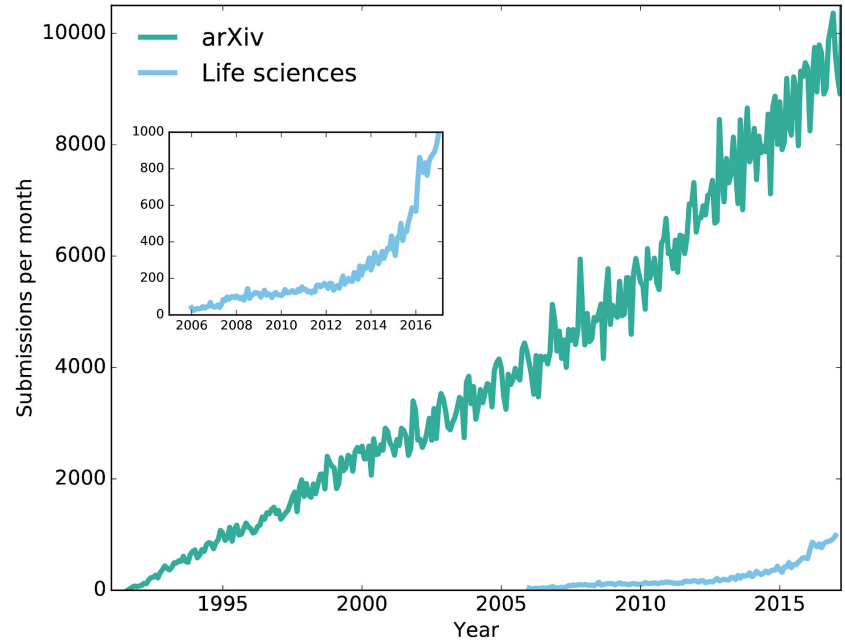


Figure from Pepe, A., Cantiello, M., & Nicholson, J. (2017). The arXiv of the future will not look like the arXiv. Authorea. <https://doi.org/10.22541/au.149693987.70506124>

# Why was the arXiv so successful?

## TECHNOLOGY



1. Physicists know how to set up servers and write in LaTeX
2. Minimalistic simplicity \*

## COMMUNITY



1. Long standing tradition of sharing and collaboration
2. Natively OA before OA was even a thing \*

\* also applies to SSRN

# Opportunity

---

Community-driven preprint repositories can move scholarly content "beyond the pdf", towards HTML-first, data-driven, computable publications.

# Five ideas for the preprints of the (near) future

Digital Object  
Identifiers for  
everything

HTML-first,  
machine-readable,  
and discoverable

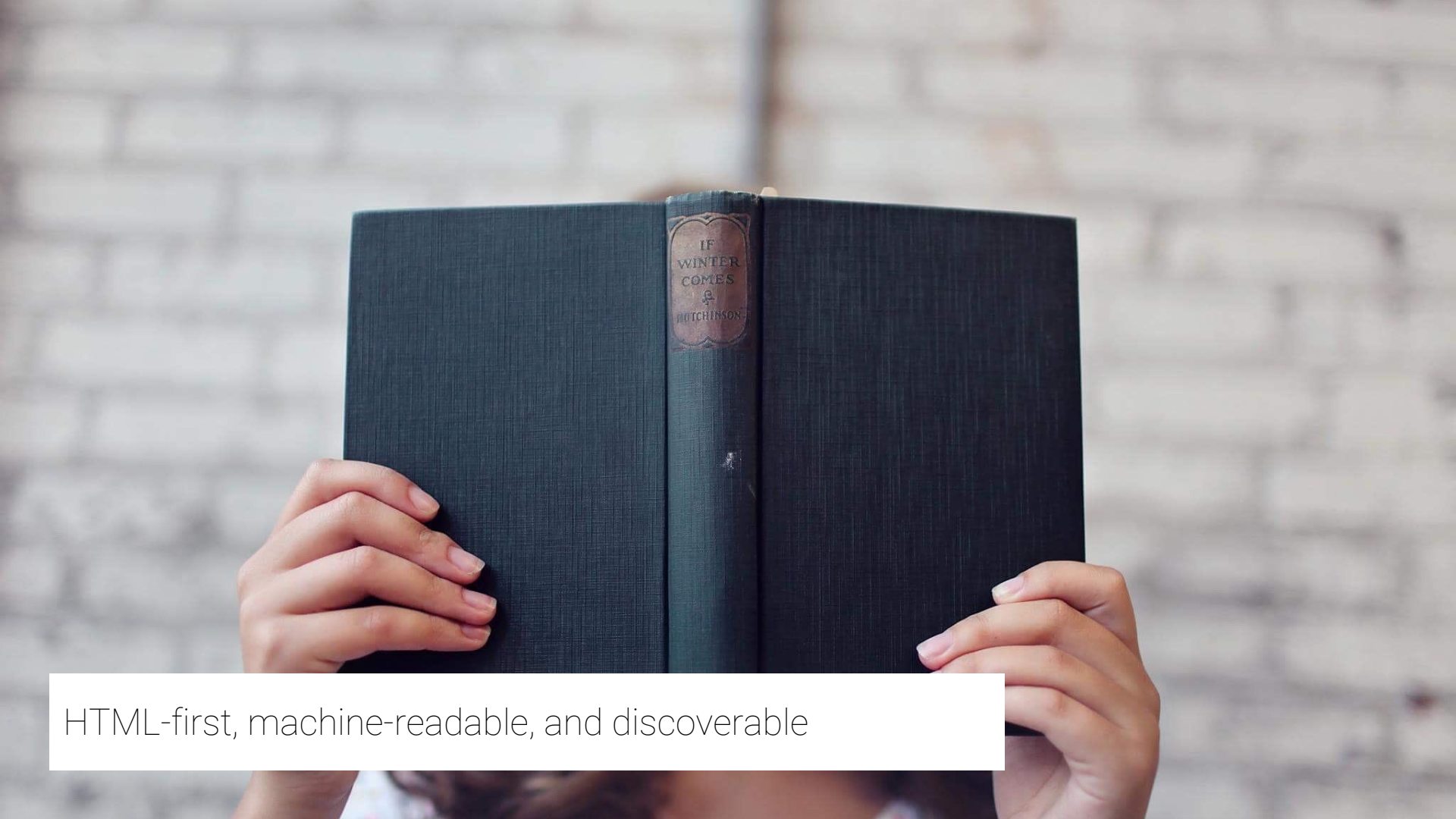
Built for  
open data  
and science

Open to new  
forms of peer  
review

Altmetrics  
enabled

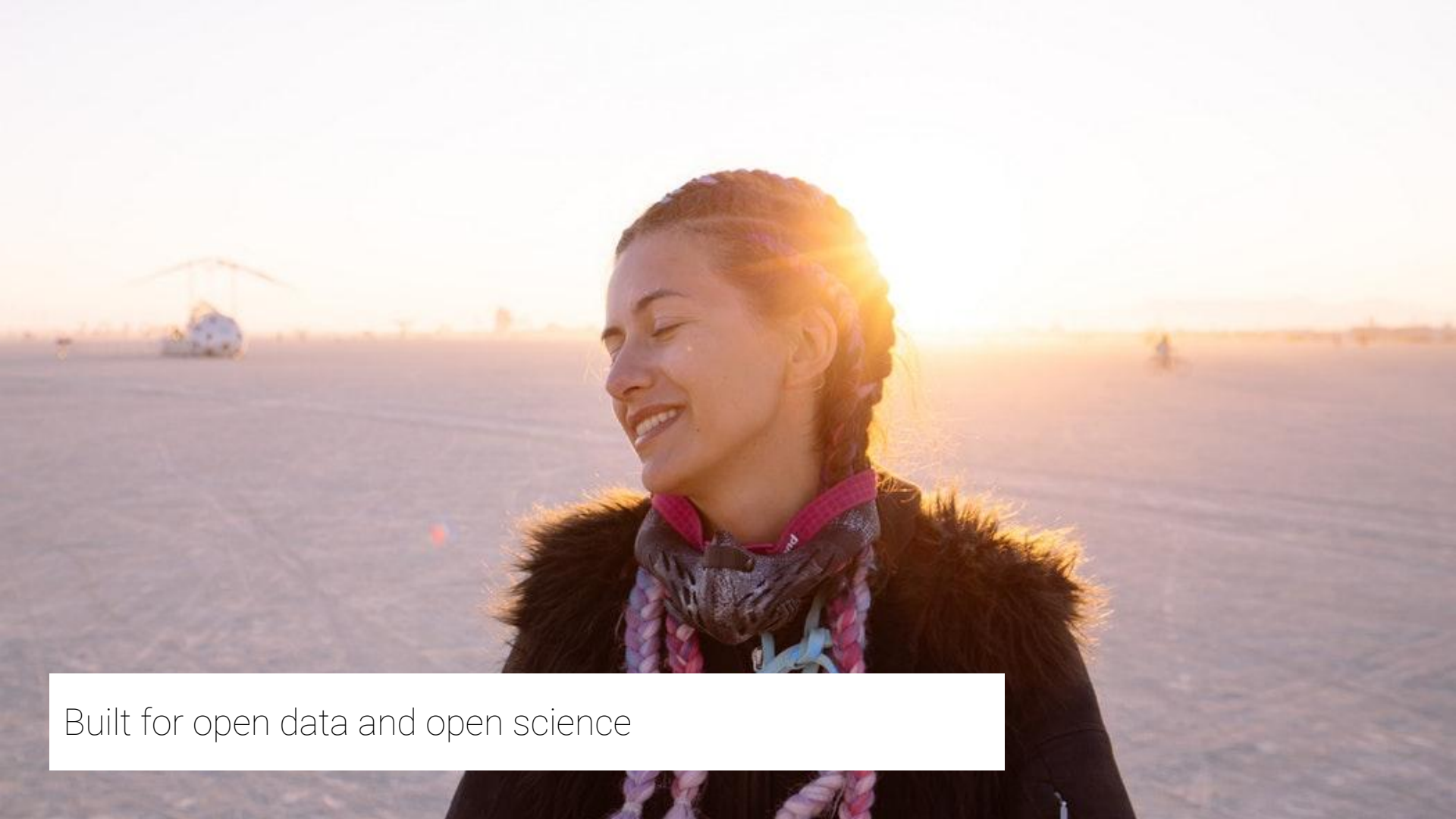


Digital Object Identifiers for everything



HTML-first, machine-readable, and discoverable

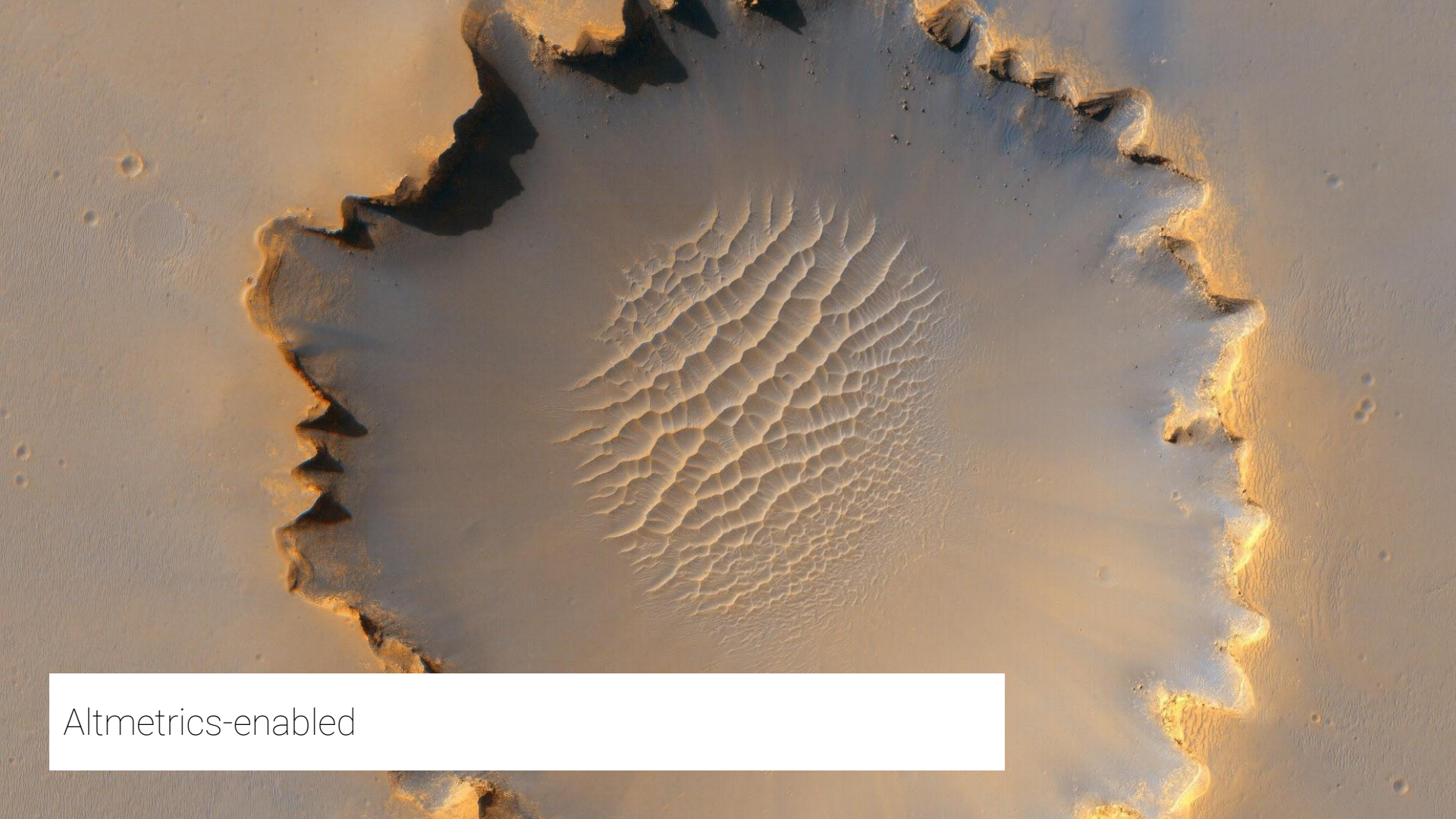




Built for open data and open science



Open to new forms of peer review



Altimetrics-enabled

# Conclusion

Publishers can and should take advantage of the proliferation of community preprint servers by integrating with them via a modern technological stack and preparing for the delivery of html-first, data-driven publications.

Atypon has a renewed commitment to open, linked data; reproducible, computable articles; and an embrace of pre-publication sharing of works in progress.