

The logo features the text "<MECA>" in a white, serif font, centered within a dark blue, irregular, ink-splattered shape. The background of the slide is white with faint, light blue splatters around the logo.

<MECA>

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What is <MECA>

- A method of manuscript exchange
 - System-to-system
 - To/from preprint servers
 - To/from vendors



What is <MECA>

- Original team in 2017 → identified a need to transfer manuscripts between systems

**HighWire
Press**

Clarivate

eJournalPress

Aries Systems

PLOS

What is <MECA>

- Original team in 2017 → identified a need to transfer manuscripts between systems
- NISO MECA Working Group announced May 2018 and expanded team

HighWire Press	Clarivate	eJournalPress	Aries Systems
PLOS	American Chemical Society	American Physical Society	Cold Spring Harbor
eLife	IEEE	Green Fifteen Consultancy	Jisc
Journal of Clinical Investigation	National Library of Medicine	Springer Nature	Taylor and Francis

Time and Effort Wasted



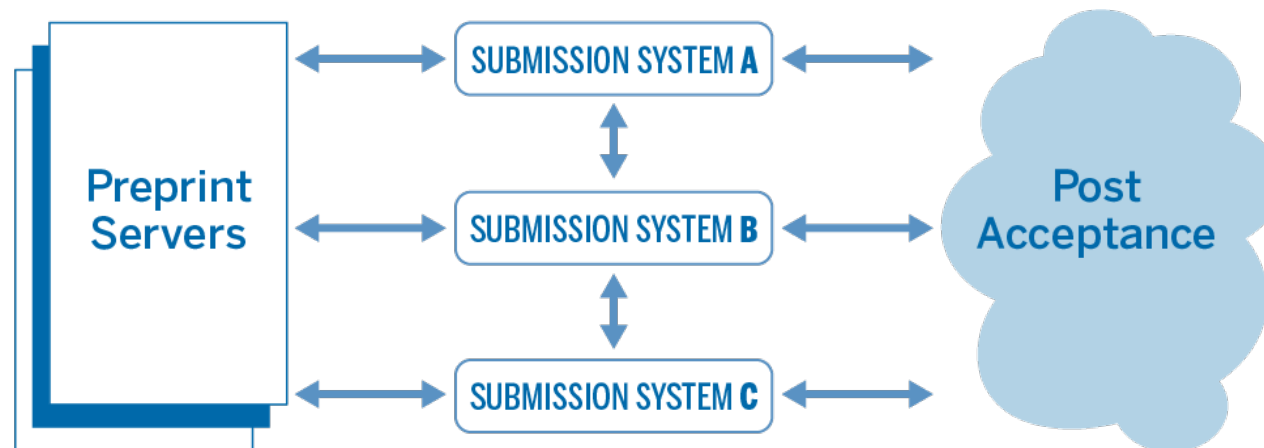
Inside Higher Ed. (n.d.). Retrieved August 5, 2019, from <https://www.insidehighered.com/views/2017/03/28/academics-shouldnt-focus-only-prestigious-journals-essay>

Kovanis, M., Porcher, R., Ravaud, P., & Trinquart, L. (2016, November 10). The Global Burden of Journal Peer Review in the Biomedical Literature: Strong Imbalance in the Collective Enterprise. Retrieved August 6, 2019, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5104353/>

Scholar. (n.d.). Retrieved August 6, 2019, from <https://www.aje.com/arc/peer-review-process-15-million-hours-lost-time/>

Use Cases

- Transfer manuscripts and reviews between journals
- Transfer manuscripts between preprint servers and journals
- Import manuscripts from authoring systems / tools to submission systems
- Export manuscripts from submission systems to other services, e.g. repositories, compositors, etc.



Principles

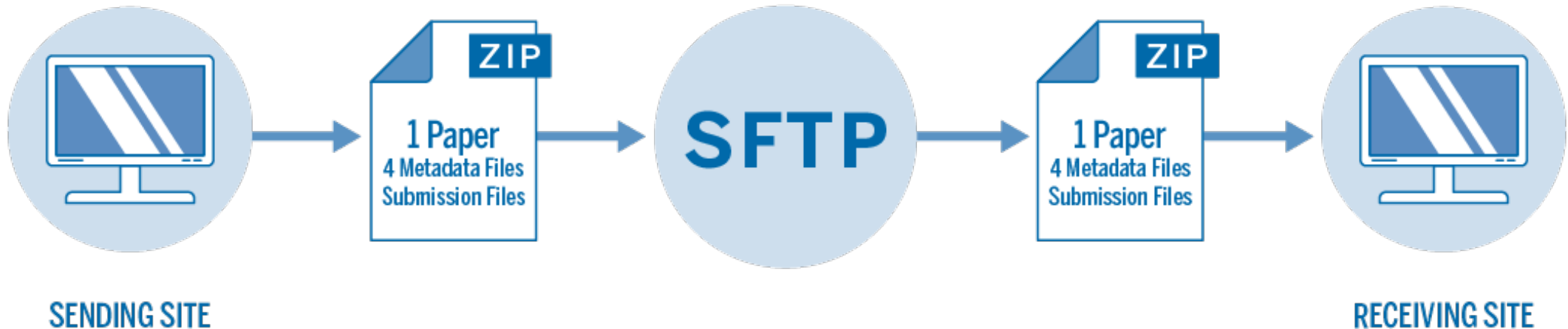
Facilitate transfer between publications/platforms

- Journals and Authors set the rules on what is transferred
- Package may not be a complete submission
- Systems can define Minimal Viable Product to start a submission on the receiving site
- Protocol based on best practices and industry standards
- *Not a central service, not a database*

Project Areas

- Vocabulary
- Packaging
- Identity
- Transmission

- Article Metadata
- Manifest
- Transfer Metadata
- Review Metadata



Sample Implementations

- Cell Biology Transfer Network
 - Journal of Cell Science, Journal of Cell Biology, Molecular Biology of the Cell
 - Cross-publisher; cross-system
- bioRxiv & medRxiv
 - Preprint server to journal
 - Journal to preprint server

Ongoing work

- Reconvened January 2021, established Standing Committee

HighWire Press	Clarivate	Aries Systems	Taylor and Francis
PLOS	American Chemical Society	American Physical Society	National Library of Medicine
Springer Nature	IEEE	Green Fifteen Consultancy	Jisc
American Diabetes Association	Apex	California Digital Library	Overleaf
Public Knowledge Project	River Valley	Scholastica	

Ongoing work

- Outreach and promotion
 - Posters, sessions, webinars, articles
- JSON & API
 - Subgroup actively experimenting with SWORD option
- Peer Review
 - Subgroup examining several initiatives
 - JATS4R
 - STM/NISO Peer Review Terminology
 - DocMaps (docmaps.knowledgefutures.org)
 - The Notify Project (www.coar-repositories.org/notify)