

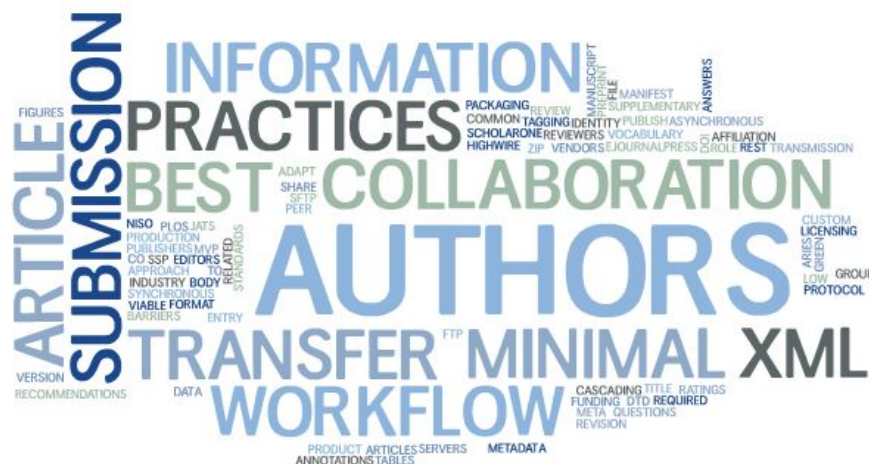
# Welcome to EEMUG 2018

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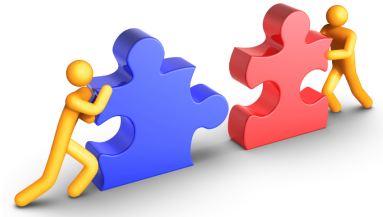
# MECA: Manuscript Exchange Common Approach



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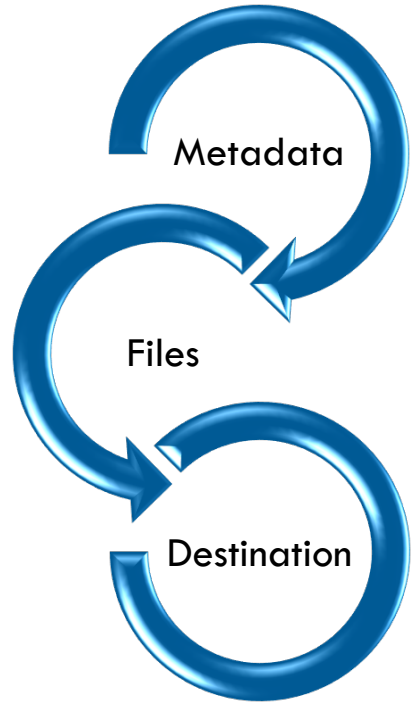
# What's the Problem?

- Authors are irritated at time, effort, **delays when re-submitting articles**
- Reviewers' time is wasted when **reviews are re-done or replicated**
- New publication flows demand **transfers to/from preprint servers**
- Each workflow system has to **implement separate interfaces** to each other system – inefficient to work 'pairwise'



## Opportunity

- A common approach to moving manuscripts solves the above use cases and can also solve some additional workflow problems!
- ***All we need is for a group of competitors to collaborate!***



- A group of vendors and publishers

- Aries: Editorial Manager
- Clarivate: Scholar One
- eJournalPress: eJPress
- HighWire: BenchPress
- PLOS: Aperta



- Develop a common approach

- Not software, not a central service, not a database
- Recommended best practices
- Non-proprietary, CC-BY

- Hope for wide adoption

- Outreach, NISO, JATS4R, JATScn

# Use Cases – Manuscript Transfers Across Boundaries

## **Journal**

- Submission System to Submission System (primary)

## **Preprint**

- Preprint System to/from Submission System (primary)

## **Syndication: Import from ...**

- Authoring Systems to Submission System (primary)

## **Syndication: Export to ...**

- Submission System to Various Services (secondary)

# Project Areas

- ✓ Vocabulary
- ✓ Packaging
- ✓ Tagging
- ✓ Peer Review
- ✓ Transfer Information
- ✓ Identity
- ✓ Transmission



# Project Areas – Vocabulary

- **Goal:** To provide a **standard nomenclature**
- Provides a baseline for understanding
- Includes 4 Use Cases
- Includes Term, Definition, Synonym, ‘Often-confused-with’ alternatives, and Examples
- Includes 70+ Terms
  - Publishing terms like ‘Author’, ‘Review’, ‘Downstream Processing’
  - Technical terms like ‘BITS’, ‘Interoperability’, ‘Mime Type’
- Can be updated over time

# Project Areas - Packaging

- **Goal:** simple, flexible, standard way to **assemble files**
- Zip File
- Team will register a new 'mime type' and file extension for the package
- One manuscript per zip file
- Package contains:
  - **Manifest.xml** \* (new DTD for file manifest)
  - **Transfer.xml** \* (new DTD for source/destination, contact, and security information)
  - Article.xml (JATS-compliant)
  - PeerReview.xml (optional - JATS-like)
  - Source files

\* Required Item



# Project Areas - Tagging

- **Goal:** To be able to pass **submission information** from system to system
- **Article.xml** (file in JATS format – Green DTD compliant)
- Defines minimal required data\*
- Only the highest revision of the submission is written to the XML
  - Article Identifiers (Manuscript Number, UUID, DOI)
  - Article Title \*
  - Article Type, Category, Classifications, Keywords
  - Corresponding Author\* and Co-Authors (with affiliations)
  - Related articles, Preprints
  - Funding Information, Custom Metadata
  - Figures, tables, supplementary material

# Project Areas – Peer Review Data

- **Goal:** To be able to pass **review information** from system to system
  - Questions/Answers
  - Ratings
  - Comments
  - Annotations
  - Red lines / Marked up files
- **Privacy**
  - Reviewer names/contact information can be redacted
  - Based on sending journal's privacy policy
- **Reviews.xml** (file is similar to JATS)
  - Decided information does not belong in article.xml
  - Multiple reviews & revisions in one file
  - DTD has ~16 tags/elements

# Project Areas – Transfer Information

- **Goal: To be able** to pass **transfer information** from system to system
  - Source Information
    - Service Provider
    - Contact Information
    - Publication Type, Title, Acronym
  - Destination Information
    - Service Provider
    - Contact Information
    - Publication Type, Title, Acronym
  - Security Information
    - Authentication Code
  - Processing Instructions
- **Transfer.xml** (new DTD)

# Project Areas - Identity

- **Goal:** Unique, **consistent identity** across systems
- Unique identifier
  - When manuscripts are passed from system to system
  - Article number, but not journal specific
- DOI was considered
  - Need for something without a DOI 'prefix' or implied source
- Universally unique identifier - UUID
  - Type 1
    - Date, time, MAC Address, random number
    - d6bf8782-30f7-4cd7-82a8-94ff62352ac4
    - Guarantees no collisions across vendors
    - Support found in many standard coding libraries

# Project Areas - Transmission

- **Goal:** Simple, consistent way to **send the information** across systems
- FTP until January 2018 / SFTP (FTP over SSH) in 2018
  - Phase 1
  - Asynchronous
- Potential future development – move to API (REST, SWORD)
  - Provide status message to sender
  - Synchronous
  - Influenced by specific use cases

# Action Items & Timeline

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2018

- Expand the Working Group
  - Looking to include diverse set of stakeholders
  - Interested? Look at [manuscriptexchange.org](http://manuscriptexchange.org) or email [info@manuscriptexchange.org](mailto:info@manuscriptexchange.org)
- NISO application, if appropriate
  - Will need community volunteers to participate in that process
- Vendor and Supplier Implementations



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2017

- Present to organizations and communities of interest
  - JATS-Con, CASRAI, SSP, OASPA, Force11, STM, ISMTE, CSE, ALPSP...
  - Authoring platforms, composition vendors, repositories, preprint servers...
- Gather input from these interested parties
  - Input via [manuscriptexchange.org](http://manuscriptexchange.org)
- Host Informational Webinars
  - General and Technical sessions planned for July/August
- Build trial/pilot/reference implementation
  - Refine approach and documentation

# Interested in Participating?

- Additional Information on our web page:  
[www.manuscriptexchange.org](http://www.manuscriptexchange.org)

- Contact us – comment on documents/plans, volunteer:  
[info@manuscriptexchange.org](mailto:info@manuscriptexchange.org)



