

Opening Scholarly Communication in Social Sciences by Connecting Collaborative Authoring to Peer Review

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Issues to be addressed

- Document authoring and document review are separate processes that occupy different tools
- Conversion of draft documents from one system to the other is error-prone
- Managing the conversion between tools requires technological know-how and overhead

Solution: Integration of Software

- Integrated systems
 - Open Journal Systems (OJS)**, the most used open source peer review system, with
 - Fidus Writer (FW)**, an open source online collaborative academic WYSIWYG editor
- Integration of user roles: users with roles related to a document automatically mirrored in the other system
- Integration of documents: documents stored in FidusWriter with linked record in OJS

Objectives

- Integrate the writing and peer reviewing processes
- Remove the human error factors due to manual conversions and file transfers during the peer review process
- Simplify the technical processes of article writing and review for authors with little technological knowledge
- Allow fine-grained reviewer feedback by connecting document commenting system with the review system

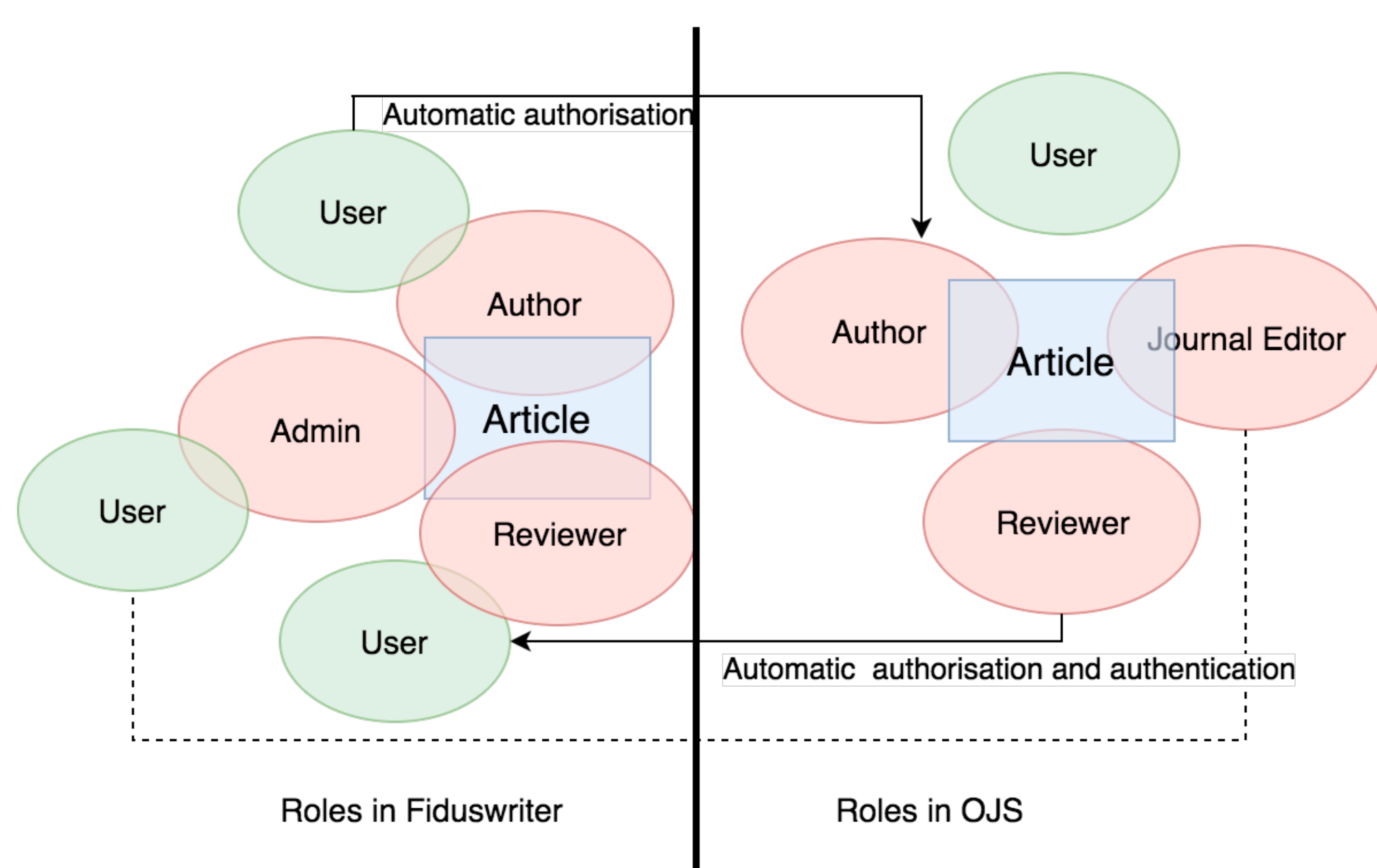


Figure 1: Matching of users and the roles in Fidus Writer and OJS
(from <https://arxiv.org/abs/1703.04428>)

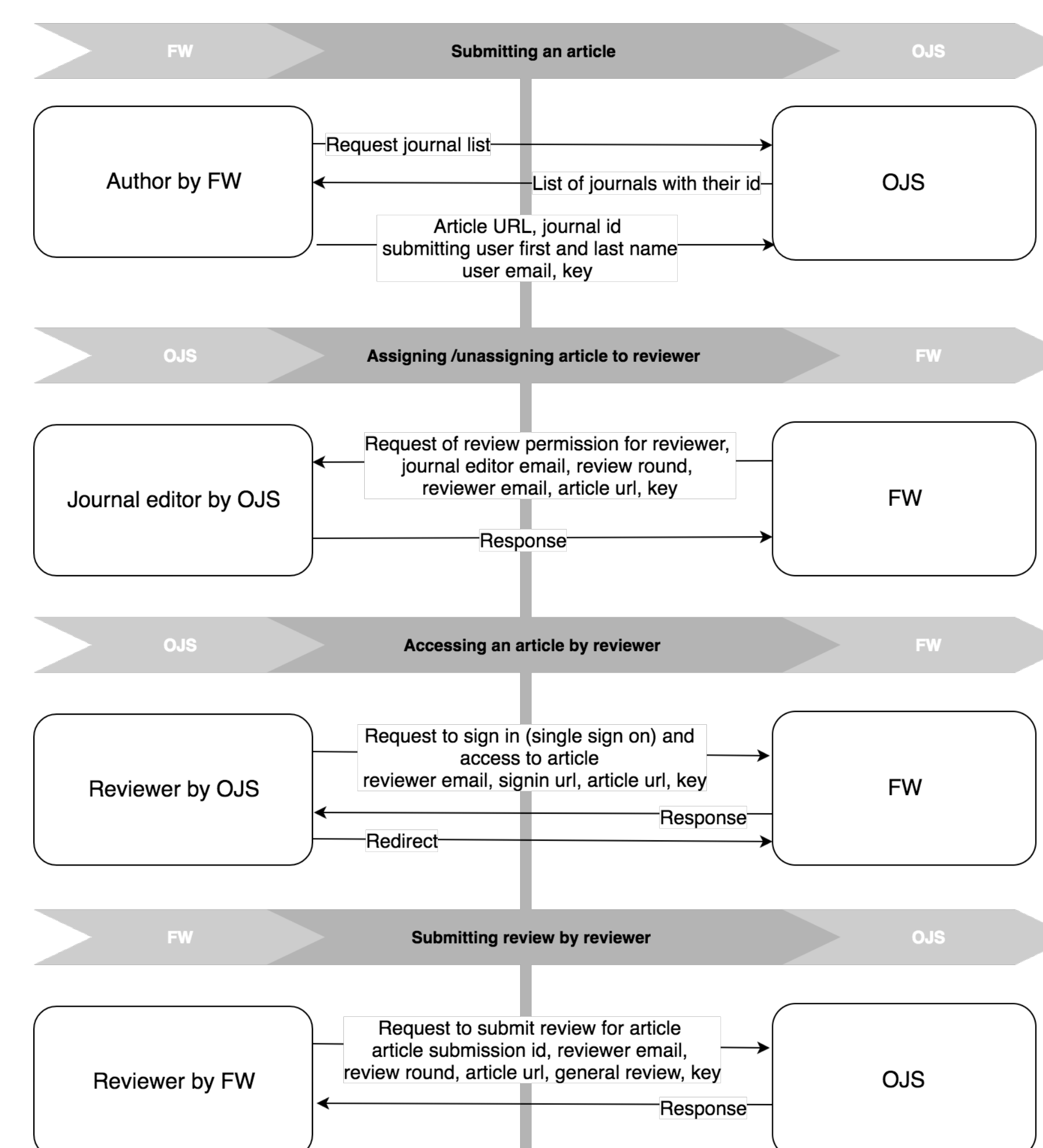


Figure 2: Interaction between Fidus Writer and OJS

Technical Implementation

Fidus Writer

- Addition of new user roles relating to reviewing: Editor and Reviewer with more complex access rules concerning comments and visibility than the existing roles Author, Reader and Commentator.
- Addition of user interface elements to allow submissions to journals stored in OJS and hooks to provide for communication with OJS.

OJS plugin

- A RESTful API to allow article submissions, access to the list of hosted journals, as well as submission of review comments.

Demo Video

<https://www.fiduswriter.org/ojs-integration>