

# OAI-ORE for Publishing Workflows

Data Archiving for Journals of the  
American Astronomical Society

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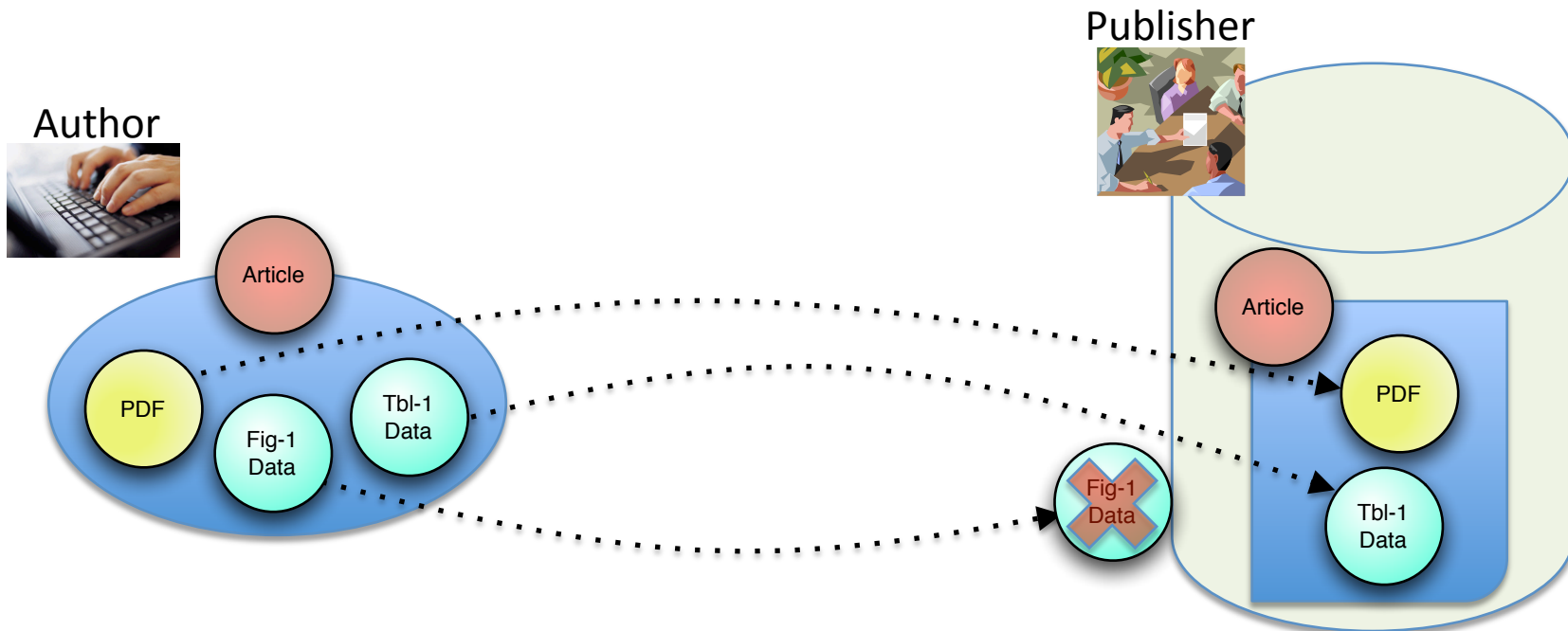
# Presentation Outline

- Some Background on Data Archiving Project
- Illustrate simplified current workflow
- Motivation for the work described here
- Present rough model of a real article
- Describe a possible ORE-enabled solution
- Some Issues
- Future Work

# Archiving Project Background

- JHU Sheridan Libraries teaming with the NVO and the AAS to capture published data
- Support curation and entrée to preservation
- Stable location for data the journals are not prepared to store permanently
- Provide platform for data services
- Funding from IMLS and Microsoft

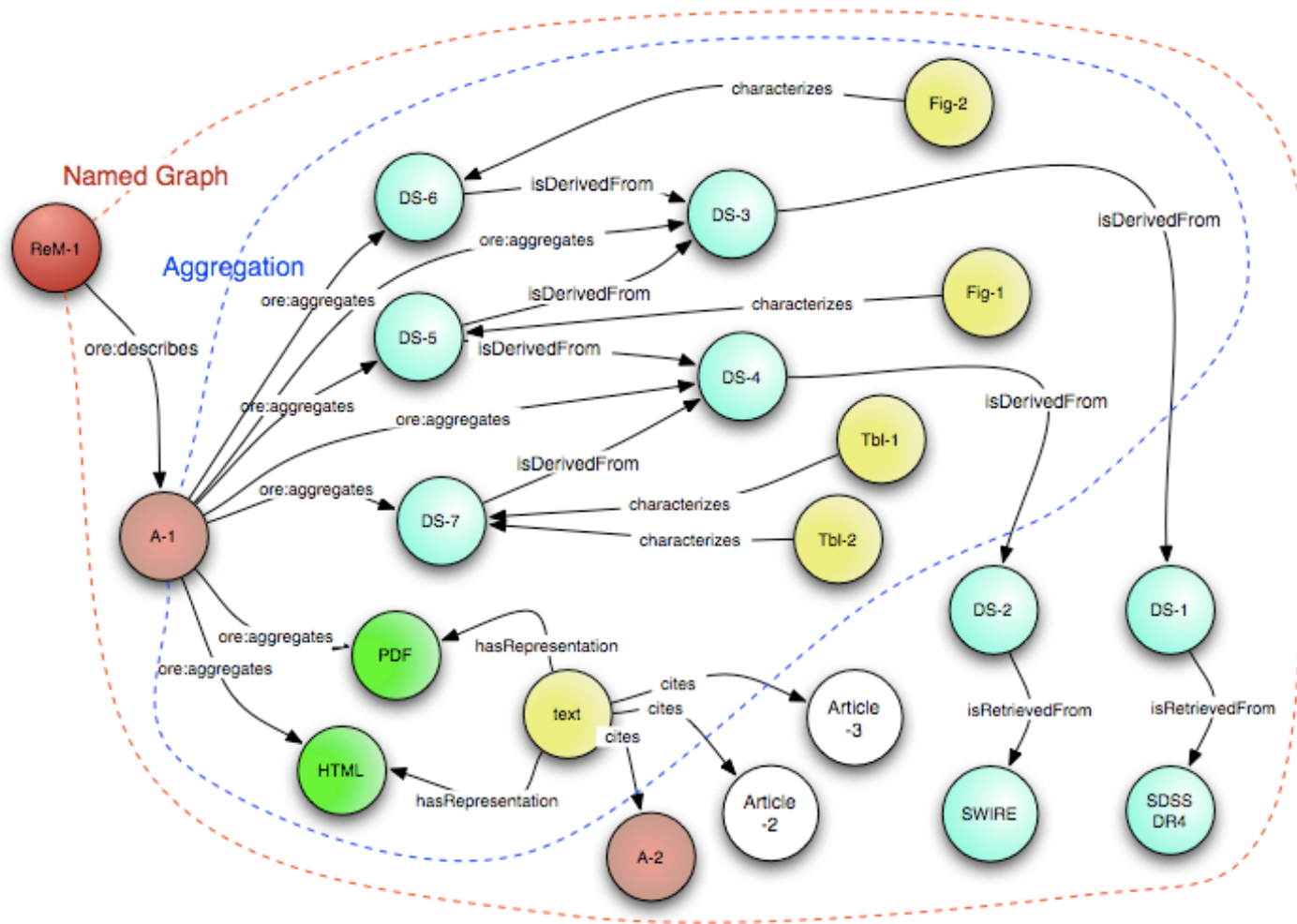
# Current Submission Workflow



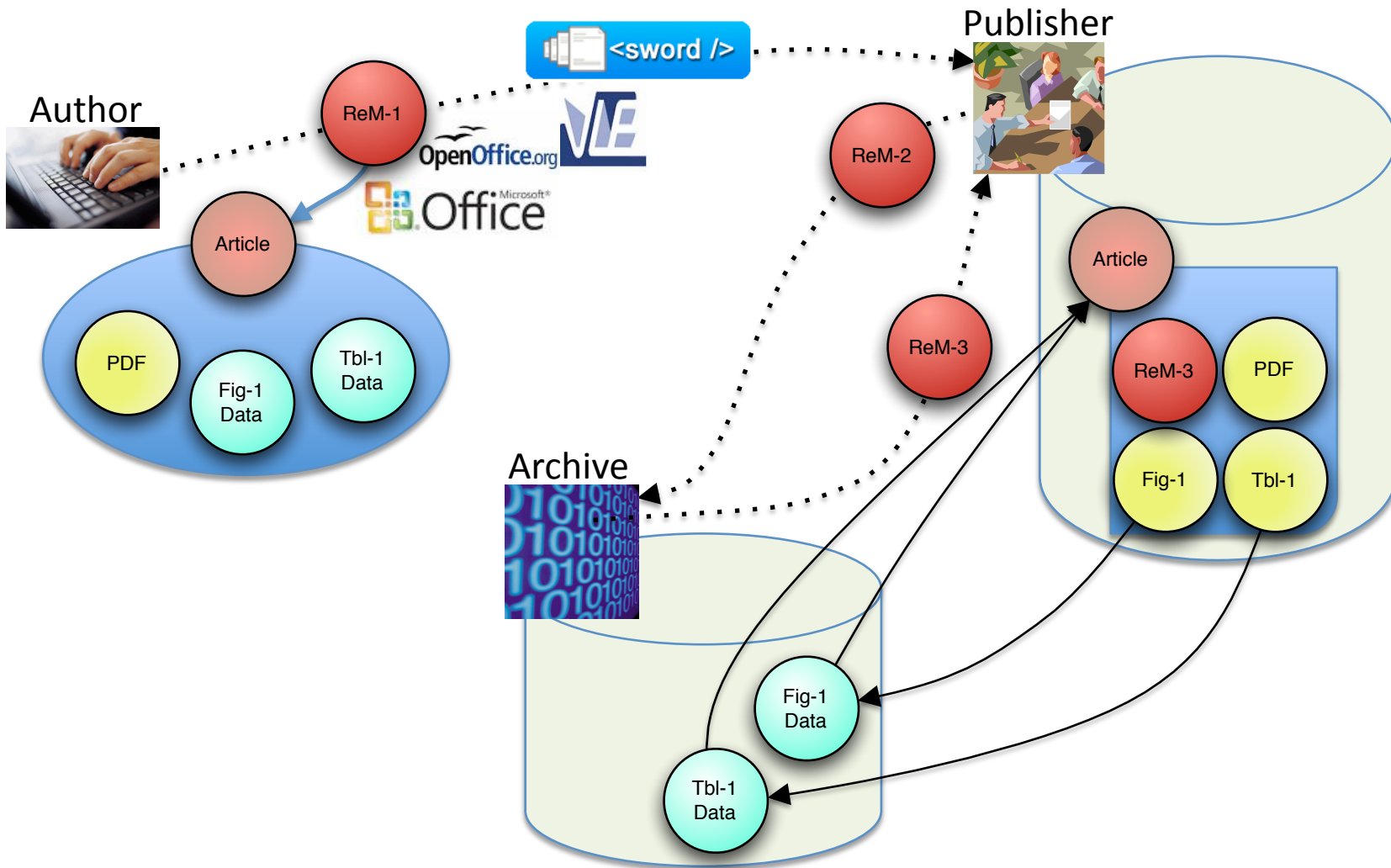
# Motivation

- Mandate to integrate data capture with extant workflow for multiple journals
- Need to capture relationships with resources which are not part of a particular article
- Desire to share risk

# Model of Existing Article



# A More Desirable Workflow



# Issues

- Maybe challenging to capture relationships among conceptual objects and web resources
- Need to retrofit some tools



# Future Work

- Working with AAS to integrate this work into their workflow
- Integrate ReM packaging into MS Office / OpenOffice.org platforms
- Work with VUE team at Tufts University regarding new functionality
  - Ability to export ORE ReM serialization
  - Development of SWORD client functionality