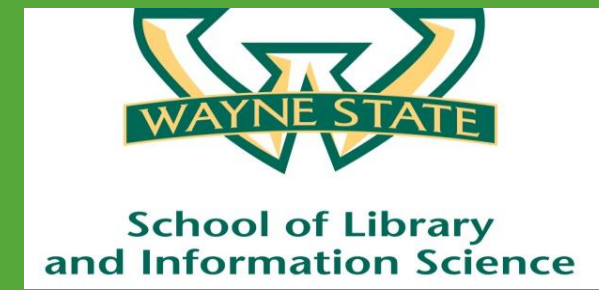


# Data Implementation at a Distance: A Collaborative Partnership at Wayne State University Utilizing Fedora Commons and DSpace



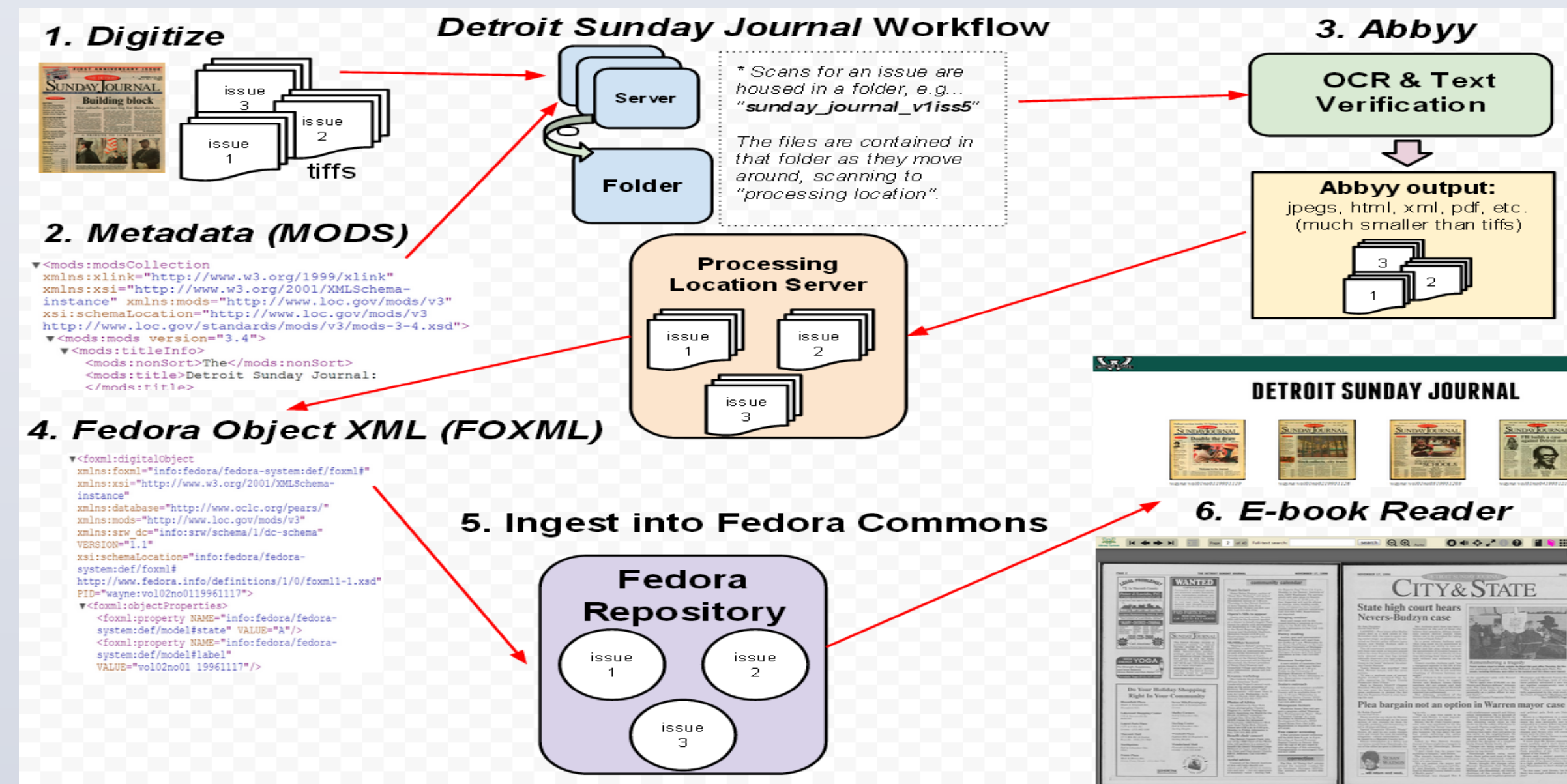
## ABSTRACT

Students of Wayne State University's School of Library and Information Science partnered with Wayne State University's Library System and the Technology Resource Center to collaborate on two different projects using open source options, Fedora Commons and DSpace. Fedora Commons is a framework for building digital repositories, and DSpace is a turnkey institutional repository application. Both projects involved scanning, transforming, indexing, and documenting processes and data for workflow. Using Fedora Commons, the first project involved The Detroit Sunday Journal, a weekly newspaper published from 1995 -1999, which originated through workers from The Detroit News and Free Press using it as a platform to express labor grievances and the plight of striking newspaper workers. The second project used DSpace and created a digital archive of the School of Library and Information Science program. This program is over fifty years old, but the story of its successes and challenges has not yet been shared.

Assembling, creating, and executing these projects would not have been possible without a healthy, strong, and positive collaborative environment. The professional librarians of Wayne State University provided training, templates, and step-by-step instructions to break down processes into manageable steps, which could serve as an example for other institutions looking to employ students, student workers, paraprofessionals, or volunteers. Most of the work on the Fedora Commons project was completed remotely by online distance students of Wayne State University. The students utilized several collaboration tools including cloud based office software, web conferencing software, and screen sharing software in order to communicate, plan, and work through a multi-step workflow for Fedora Commons. Distance students could access servers, upload metadata, conduct OCR and text verification, and ingest into Fedora Commons by using a remote desktop, VPNs, and file transfer applications.

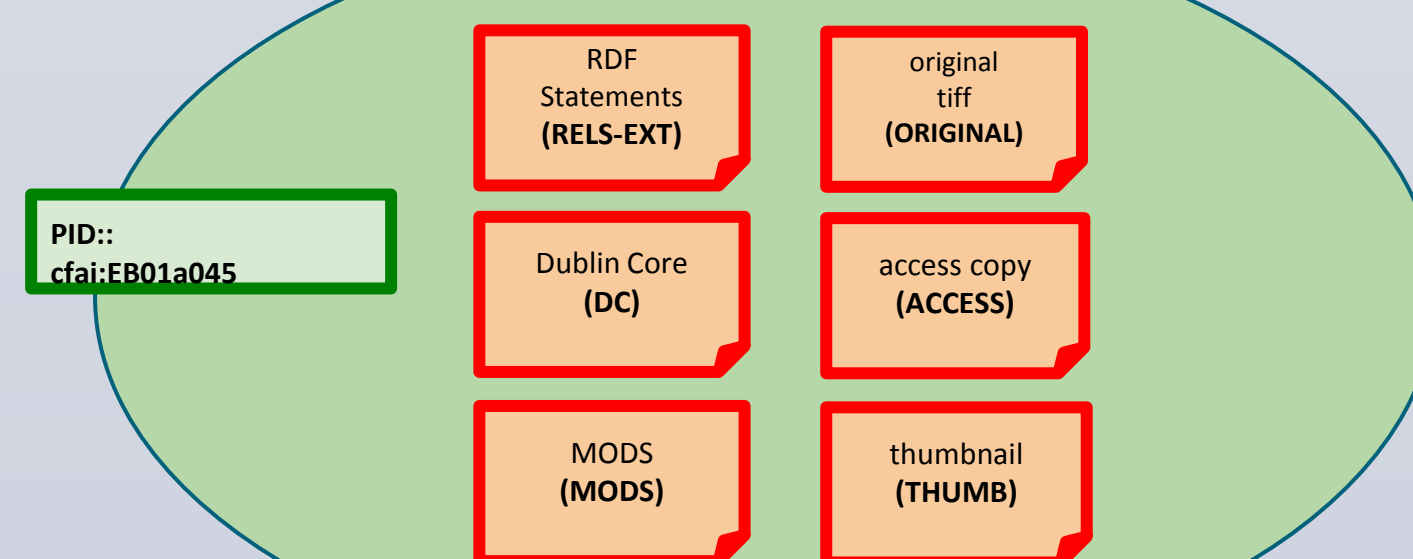
Communication and collaboration tools used for DSpace were similar to those used for Fedora. For DSpace, it was also important to reach out to former faculty, students, and staff of the Wayne State University's School of Library and Information Science program to develop a fuller picture of the program's past and to create a foundation for the repository moving forward. On-campus students did physical research in the university archives for materials, and distance students were able to help create metadata and upload files and images using DSpace. The lessons learned from these two projects will be useful to the library community because they illustrate possible models for data implementation and collaboration, especially across distances or through online tools.

## FEDORA COMMONS WORKFLOW



## FEDORA OBJECT XML (FOXML)

- Wrapper for XML and all the related metadata (RDF, Dublin Core, MODS, etc.)
- Uniting data streams into one long, complex file
- Object blueprint
- Need for ingest into Fedora Commons



## DSPACE (WayneBrain) METADATA

dc.contributor.author	Turrini, Joseph M. (SUS)	
dc.date.accessioned	2013-07-13T18:18:31Z	
dc.date.available	2013-07-13T18:18:31Z	
dc.date.copyright	2012	
dc.date.issued	2012	
dc.identifier.citation	Turrini, J. M. (2012). From History to Library and Information Science: A Case Study of Archival Education at Wayne State University. Information & Culture, 47(3), 358-360.	en_US
dc.identifier.uri	http://141.217.97.16/xmlui/handle/sliswsu/50	
dc.description.abstract	An article about the history and development of archival education at Wayne State University.	en_US
dc.language.iso	en_US	en_US
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dc.subject	Archives	en_US
dc.subject	Education	en_US
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dc.identifier.acnum	2013_00505	
dc.description.notes	Originally downloaded from Project Muse.	en_US
dc.publication.title	Information & Culture	en_US
dc.identifier.doi	10.1315/iac.2012.0019	
dc.type	Article	en_US

## WayneBrain INTERFACE

**Title:**  
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Last name, e.g. Smith  First name(s) + "Jr", e.g. Donald Jr  **Add**

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Person, organization, or service responsible for the content of the resource. Catch-all for unspecified contributors.  
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## FINDINGS

Although both of these Wayne State University repositories are still in their infancies, Fedora Commons and DSpace have proven to be valuable tools. Fedora Commons has a higher learning curve due to the required technical skills and the creation of multiple objects. DSpace is a straightforward solution for any skill level. Fedora Commons handles complex digital items well and is conducive to managing data assets and sustaining digital curation projects. DSpace meets the criteria for a trusted digital repository and has built-in digital preservation functions that are perfect for institutional archives and data storage. DSpace and Fedora Commons provide access, storage, and management for long-term preservation and are essential tools for any institutional repository.

## ACKNOWLEDGEMENTS

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- Kim Schroeder—Faculty Advisor
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- Cole Hudson—Digital Publishing Librarian, Wayne State University Library
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