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Creating DOIs with DataCite for Ingestion into Bepress Digital Commons

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Creating DOIs with DataCite for Ingestion into bepress Digital Commons

Rebecca B. French

James Madison University

https://github.com/frenchrb/JMU_DOIs

PROJECT OVERVIEW

- DataCite
- bepress Digital Commons (JMU Scholarly Commons)
- Project goals
 - Develop workflow and tools for creating DOIs
 - Retrospectively create DOIs for most items in Scholarly Commons
 - Incorporate DOI creation into workflow for new materials
- Experimented with scrum

WORKFLOW

https://github.com/frenchrb/JMU_DOIs

bepress spreadsheet (.xls and .xml)



XSLT to convert Excel XML format to one with named nodes



XSLTs to convert to DataCite Metadata Schema (one per collection)

Python script

Insert DOI into spreadsheet for ingestion back into bepress



Send DOI and item URL to DataCite using API – DOI goes live



Send metadata to DataCite using API

Python script