IMPLEMENTING A DATA CITATION WORKFLOW FOR THE STATE POLITICS & POLICY QUARTERLY JOURNAL
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OVERVIEW
Journals are increasingly instituting data sharing policies to encourage replication and verification of published results. A data citation workflow that supports the integration of journal publication and data archiving contributes to efforts to make research transparent and open while ensuring researchers receive due credit for data products.

WORKFLOW
Prior to developing and implementing the prototype workflow, the project team analyzed the State Politics & Policy Quarterly editorial workflow, which uses the ScholarOne/Manuscript Central submission system. The prototype workflow gave the Odum Institute Archive a significant role in streamlining the human-driven process as much as possible to support the most efficient use of resources.

NEXT STEPS
- Expanding automation through collaboration. The Odum Institute has partnered with the Institute for Qualitative Social Science for the Sloan Foundation-sponsored A Bridge from Publishing Words to Publishing Data project, which automates data publication within the journal publication process.
- Supporting data publication and verification. The Odum Institute is providing data curation and verification services to the American Journal of Political Science to enforce its data replication policy.

LESSONS LEARNED

Relationships are essential! Relationships between publishers, editors, authors, and archivists are essential for knowledge sharing, creating common goals, and establishing communication channels.

Time is a precious commodity! Data sharing acceptance requires the reduction of editors’ and authors’ time burden. Archivists can provide a sustainable model for linking publications to data.

The devil is in the details! Designing a workflow is both a conceptual and practical process. Stakeholders must attend to small logistical details consistently and thoughtfully.

Multiple systems, multiple challenges! Integrating data sharing and journal publication infrastructures requires the use of several distinct systems. Efficient workflows require tool automation.

CONCEPTUAL DATA CITATION WORKFLOW

Editor informs archive of article acceptance
Archive creates dataset record
Publisher links data citation to article
Editor provides data submission instructions to author
Archive verifies data submission
Editor submits data citation to publisher
Archive sends data citation to editor
Archive links article citation to data

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