

Not Your Father's Faculty Bibliography Making University Scholarly Output Shine

Process and Workflow

Retrieving Metadata

A Web of Science and/or Scopus Search

- Web of Science: Organization – Enhanced Index
- Scopus: Affiliation Name

B Export to Citation Manager

- Used to normalize bibliographic data from different systems into a unified metadata schema.
- RefWorks and EndNote have both been used successfully. Recommend using EndNote Desktop for citation sets of 100 articles or more for better processing.
- Direct exports and normalization using Web of Science and Scopus APIs may also be possible and are being worked on.

Enhancing

C Map fields to correspond to institutional repository schema

D Utilize OpenRefine or Microsoft Excel functions to manipulate data

- Parse or clean up fields (e.g. authors, keywords, issn, isbn) as needed.
- Create full text links using content DOIs or create an OpenURL string and ensure they work.

E Optional: If applicable, dedup records using DOI, title, other data

F Run citation data through SHERPA/RoMEO API Google Script

G Sort records by permissions to deposit content

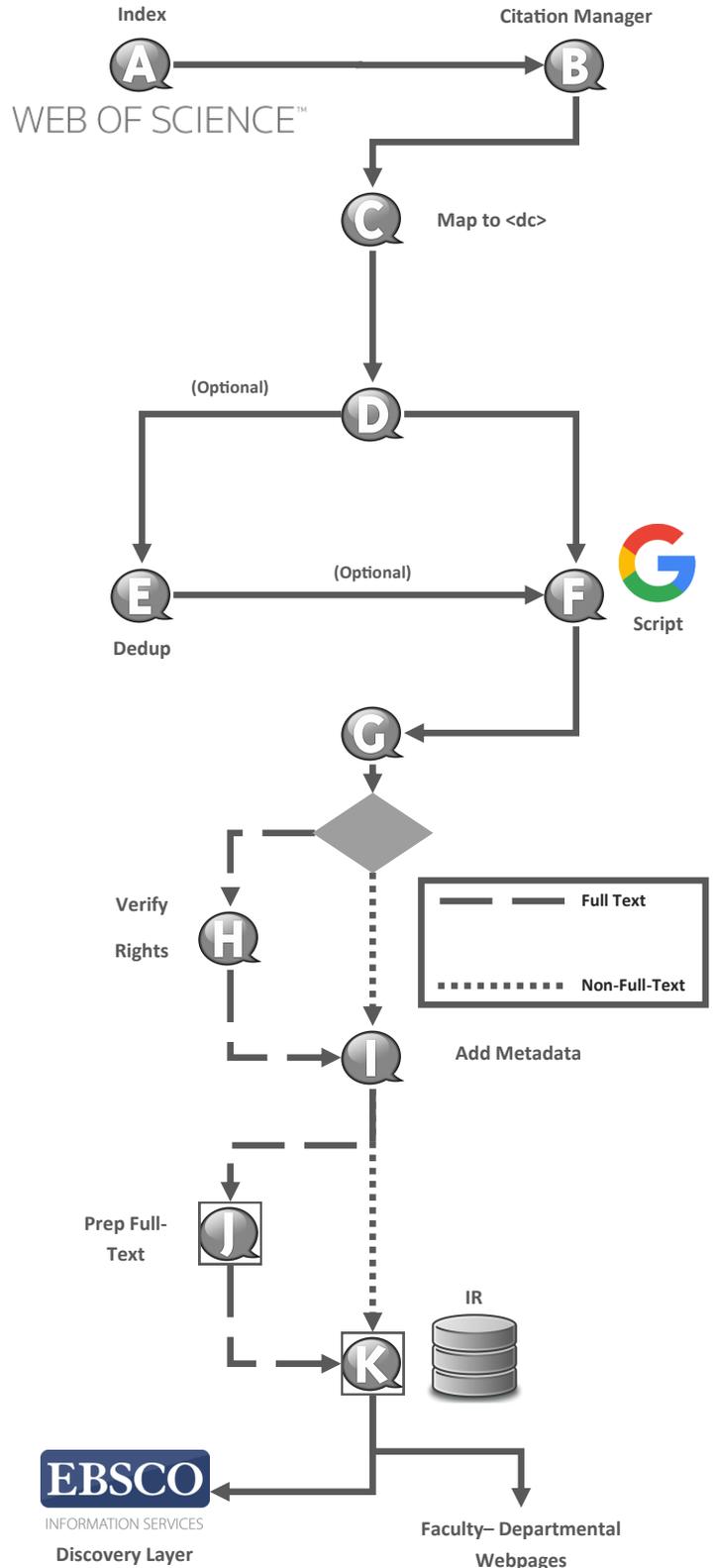
H Manually verify permissions rights and embargos (if applicable) for those full-text items which can be deposited.

I Add rights/permissions, author authority control, and record type metadata

- Record type metadata refers to distinguishing full-text content records from metadata only records. Depending on the IR system, custom search facets can be created and applied.

J Ready full-text items (for those items which can be deposited) for repository ingest

K Ingest the data and items into the repository.



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Project History

The impetus for an institution-wide University of Central Florida Faculty Bibliography grew out of the work of the Scholarly Communication Task Force as part of an effort to demonstrate the need for Scholarly Communication office and an Institutional Repository. Erica England spearheaded the project, developing a proof of concept version to demonstrate the feasibility of a bibliography which could be uploaded to UCF's instance of the EBSCO Discovery Service (EDS) to highlight faculty research.

When Erica took full time work elsewhere, the project was re-envisioned by Ryan Otto. He developed new methodologies and workflows to capture, enhance, and display richer metadata. Inspired by Iowa State University's Digital Repository. Lee Dotson proposed aligning author departmental affiliations to UCF's evolving institutional structure. Each article would be associated with the author's department as it existed at the time of the work's publication date. An authoritative file of UCF Department names and Histories was created. Using a relational database, UCF affiliated authors, bibliographic records, and the department structure could be linked to enrich metadata prior to loading into the IR and the EDS.

The metadata was used to auto-generate OpenURLs and durable URLs to make works accessible, and it was structured to leverage UCF's new institutional repository to better organize and discover works through major search engines.

The project continues at UCF, and Kerri Bottorff has loaded a sample set of bibliographic data into UCF's instance of Digital Commons, with the eventual goal of OAI/PMH loads into EDS. The goal to upload and highlight faculty works through EDS remains consistent. The original approach lacked fine control and resulted in the experimental icons in EDS displaying on many articles that were not, in fact, authored by UCF faculty. The current method relies on javascript written by Eric Frierson, an EBSCO Discovery Engineer, and uses richer metadata provided the most recent WoS exports and successfully places the icon next on articles known to be authored by UCF faculty. Process and tool refinement is still underway for the project at UCF, and related efforts at Kansas State University. The exploration of how the project at UCF and K-State's efforts can aid in the showcasing of federally funded research and data, made accessible through the broadening public access mandates, is a growing priority.

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