

(Version 23)

# Overview–Draft

## What is the UW BibApp?

The UW BibApp is an “Institutional Bibliography”. Our service matches People with Citations for research undertaken at the University of Wisconsin – Madison. The project provides a sense of the research community on our campus. It displays the research interests of People, who they publish with at the University, and it helps visualize how departments, colleges and schools coauthor research together.

The BibApp offers a new and unique perspective of UW–Madison scholarly communication. It facilitates “a view” of research on our campus, but should not be confused for the “entire view” of intellectual work performed by our research community. Commonly, there is a desire to use data collected within the BibApp for productivity measurement. Because the data we capture is not comprehensive, any attempt to measure productivity is NOT recommended.

## Why are the Libraries working on this project?

Librarians utilize the BibApp to better serve our patrons. We can offer personalized copyright analysis, tools for citation reuse and assistance with archiving material. We may even use the data to streamline some aspects of collection development work—learning in greater detail than ever before where our patrons publish and what works are most important to them to perform their research.

Below, you will find important sections detailing the project:

1. Goals—what the BibApp can and will do
2. Non-goals—what the BibApp will not do
3. Audience Requirements—features the BibApp supports for different audiences

## Goals

The BibApp *will* do the following:

- Capture campus directory data (People)
  - We use DoIT’s UDS campus directory service to obtain our list of People.
- Capture citation data (Citations)
  - Import from citation management tools
  - Auto–Deduplicate citations
- Map authorship associations between People and Citations

Why not directly import Citations? RefWorks and citation management tools offer rich interfaces and functionalities we cannot compete against. Moreover, bringing citations into the BibApp from RefWorks allows the project to end gracefully. Everyone who participates (a library, department, research center or person) can move on using their preferred citation manager should the project be terminated.

- Capture publisher archival rights (SHERPA data)
- Analyze Citations against SHERPA data
- Assist with personalized copyright instruction

Creating a “mashup” between our Citation data and SHERPA’s data, we can generate a report detailing the publisher archival policy for many citations collected in the BibApp database. This service positions the Libraries’ Office of Scholarly Communication and Publishing to engage faculty members and researchers in personalized copyright instruction.

- Capture electronic files for Citations marked “ready for archiving”
- Auto-generate MINDS@UW batch item import files

A major goal if the BibApp is to seed the population of MINDS@UW, our institutional repository. Citations available for archiving will be flagged “ready for archiving” and an electronic copy (PDF, PS, HTML, text, etc.) of the work will be located by library staff. These works are then imported into MINDS@UW for permanent digital archiving.

- Provide tools for Citation reuse (copy/paste tools, export)

The BibApp was designed with a RESTful architecture to assist with easy repurposing of the Citation data in the database. We also will provide copy/paste JavaScript tools to support easy inclusion of “Recent Publication” lists on other websites (faculty pages, departmental pages).

- Provide folksonomy tools (tagging) for organizing Citations
- Enable social-network views of campus co-authorship

The BibApp will use technology to support the visualization of scholarly communication on campus. UW-Madison authors who write a paper together are linked in the database via a shared Citation. Also, keywords associated with papers are used to build “tag”-like representations of researcher’s interests. These tools help us display the range of research collaboration on campus: from the small subject-specific communities, to the large interdisciplinary research efforts occurring on campus.

- Provide generalized, non-comprehensive reports by:
  - Person/Year
  - Department/Year
  - College or School/Year

We will provide tools and views to analyze the research patterns of People. This may assist with productivity measurement, but really we can only offer (at best) a “generalized” view. The BibApp citation database is NOT comprehensive and does not attempt to aspire to be comprehensive—a goal we feel would be impossible. You could use the BibApp to make a generalization regarding a Person’s publishing habits and publication choices, but it certainly does not show the full picture of their work. Judgments regarding tenure or promotion should NOT be based upon the contents of our database.

- Be copyright
- Be public
- Enable all users to locate campus subject experts

Search for “laser”:

Person	Citations Most recent
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Dan Botez	78	2006
Luke Mawst	73	2006
Thomas Kuech	6	2006
John Scharer	34	2004

We hope the BibApp will increase global knowledge of the research performed by People at the UW-Madison. We want users to discover the experts who work on our campus and read the important work they produce. This is the BibApp's primary goal—to be a tool that increases public cognizance of UW-Madison research.

## Non-Goals

The BibApp *will not* do the following:

- Be comprehensive (that's impossible)

We'll do our best to gather citations and automate the gathering of citations from harvest-able indexes. For this project, the Library will assume responsibility for developing a work flow to secure citations from these sources—the “easy half” you might call it. Research that remains “off-the-grid” (obscure reports, presentations, little-known specifications, etc.)—the “difficult half”—will not be targeted for immediate inclusion. However, should a faculty member forward a list of citations to the project, we would be happy to add missing items to their publication list.

- Supplant citation management tools

Most times, there remains NO benefit to the Library in rebuilding commercial products. The BibApp will assume some citation capturing features, but will never aim to compete with RefWorks or EndNote. If a research department or faculty member should hope to build a comprehensive library of their intellectual work, it will remain best practice for them to use RefWorks or EndNote. Once their data is in a professional citation management tool, we can work to move it into the BibApp.

- Replace MINDS@UW

The BibApp is a socially-oriented campus bibliography, not an archival repository. The BibApp will not retain or preserve data files.

- Capture complete curriculum vitae (CV)

A complete CV includes diverse item records like: Degrees, Fields, Grants, Editorial Boards, Referees, Memberships, Publications (Accepted, Submitted, In Process), Experience (Positions, Courses), Honors and Awards, Book Reviews... Capturing all of this data would be difficult. Instead, the BibApp attempts to capture accepted publications and position itself to help faculty members keep their CV Publication lists up to date.

- Historical citation capture

Capturing historical UW-Madison People and Citations would be very interesting, but, for now, we'll focus from today forward. The BibApp uses today's campus directory to locate People and then work to obtain Citations. As costs are analyzed, it may make sense to draft a grant proposal to capture this data. While we do not rule it out, it is not our plan to do historical data capture.

## Audience Requirements

✓ = Completed

### All audiences

- Great search and discovery tools

### Librarians (mostly finished)

- ✓ Capture citations
- ✓ Capture people
- ✓ Associate citations with people
- ✓ Capture publisher copyright policies
- Identify archivable works
  - Manually ✓
  - Automatically
- ✓ Assist with personalized copyright instruction
- ✓ Assist with the capture of archivable works
- ✓ Prepare MINDS@UW (DSpace) batch import files
- Be sustainable
- Be public
- Be cheap (or grant funded)

### Faculty

- Add/Edit/Delete citations easily
- Export citations for reuse
- ✓ Support syndication for new citations
- ✓ Explore other people's citations
- Discover research "neighbors"

### Administrators

- View productivity trends
  - Evaluate research trends
  - Promote interdepartmental research
  - Track grant funded publications?
  - Increase public cognizance of UW-Madison research
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