

Open < bibl >

Light-weight web publishing for annotated and descriptive bibliography

bibliographic data model

Based on Bower's Principles of Bibliographic Description. Built around modules for
1) **bibliographic info** 2) **physical description** 3) **provenance** 4) **subjects and keywords**
5) **geographic data** 6) **notes and annotations**

TEI

Custom TEI templates using **textstructure**, **biblStruct**, and **msdescription** element modules with elements for contextual information

XSLT

web interface

Render display using *XHTML* and *CSS*, explore uses of *JavaScript* and *jQuery*, *JSON*, etc. for search and retrieval, browse, and transformation scenarios like mapping and visualization, and experiment with linking TEI terms to *schema.org* attributes for the Web

RDF

Use existing vocabularies from *BIBO*, *FOAF*, *Provenance Vocabulary (OWL)*, and *GeoNames* ontologies supplemented with our own *Open < bibl >* vocabulary

Purpose

Provide low-barrier web publishing solution for scholarly bibliographies that leverages the flexibility of XML and the openness of shared resource description models

Problem

Current web bibliography publishing practices rely heavily on relational databases requiring hosting and infrastructure not always accessible to researchers. Also, many scholarly bibliographies include unique data or structures and need a flexible data model not offered by relational DBs.

questions?

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<http://kirschbombe.github.io/openbibl/>