

Google Summer of Code 2007 Citations

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Portable citations (discontinued)

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Design Requirements (What should the program do?)

Portable citations provides utilities for metadata import and export. Anyone should be able to export the metadata in DSpace to bibliographic software. Administrators need to be able to import citations from bibliographic software and internal databases. What bibliographic formats and software should be supported?

Export

Capture/export from various DSpace modes

- list level
 - browse
 - search
- individual record level
 - short item record
 - long item record

Formats/programs to export into

Essential

- BibTeX (Example BiB file: [xapl.bib](#)) (Style examples ([output](#))
 - brief BibTeX style
 - full BibTeX style
- [Endnote](#) formats
- RIS (Used by [Refworks](#), [ProCite](#))

Additional formats for export, if possible

- Formats it would be nice to support. Not essential at the start.
 - APA ([LIU example](#)) ([OWL details](#))
 - MLA ([LIU example](#)) , ([OWL details](#))
 - [Zotero](#) formats ("Zotero is a free, easy-to-use Firefox extension to help you collect, manage, and cite your research sources.")

Further additional formats that could be supported

- Chicago ([LIU example](#))

- Turabian ([LIU example](#))
- Others? (CBE, AMA,...) Purdue's OWL has a [discipline-based list](#). DCMI [discipline-based list](#). DCMI [standards](#).

Import

The import utility should accept certain formats by default. It must also allow configuration at the repository level, to add import formats and to change the crosswalk assumed.

Included "out of the box"

- BibTeX ([Example BibTeX file](#))
 - brief BibTeX format
 - full BibTeX format
- Dublin Core XML
- Endnote
- RIS
- Various publishers' formats
 - specifically mentioned to me: PsycInfo, Agricola, ERIC, Encyclopedia Britannica

Configurable

Configuration may be necessary to import file formats aside from the expected ones. Configuration may also be necessary on the entire suite if a local instance uses an extended or modified metadata scheme.

- Configurable to add import file formats
 - For example, retrieve metadata from faculty website (publications section)
- Configurable to "crosswalk" from one format to another.
 - For example, a repository manager may wish to transform citations from RIS format into the DC scheme used in a local instance of DSpace. S/he would like to modify the crosswalk by filling in the "source" and "target" fields on a grid, like this:

Source Format		Target Format
Al	=>	contributor.author
TI	=>	citation.atitle
JF	=>	citation.jtitle
VL	=>	citation.volume
AB	=>	description.abstract
etc.		

Dependencies

Various schemes, file formats, and scripts are used for bulk import into DSpace instances. Are there any common features and needs? Ideally, Portable Citations will be usable in all circumstances. Are there particular features of the program that will facilitate this flexibility? Portable Citations will need to be tested against each of the most common import methods.

See also

Project Wiki Pages for this Project, "Portable Citations"

- [Google Summer of Code 2007 Citations--Related External Citation Projects](#)
- [Google Summer of Code 2007 Citations--Examples of Citation Formats](#)
- [Google Summer of Code 2007 Citations--Examples of Import Procedures](#)
- [Google Summer of Code 2007 Citations--DSpace documentation concerning metadata](#)
- [Google Summer of Code 2007 Citations--Crosswalking Experiments](#)
- [Google Summer of Code 2007 Citations--Raw Public Notes](#)

DSpace Wiki: Metadata and Crosswalk-related Wiki Pages

[XsltCrosswalk](#)

DSpace Code: Configuration Files related to metadata in [dspace/config/](#)

See also [dspace/docs/directories.html](#) Customizing Submission Metadata Entry

- `controlled-vocabularies/`

- Fixed, limited vocabularies used in metadata entry

- `crosswalks/`

- Metadata crosswalks - property files or XSL stylesheets

- `dspace.cfg`

- main DSpace configuration file

- `dc2mods.cfg`

- Mappings from Dublin Core metadata to MODS for the METS export

- `input-forms.xml`

- Submission UI metadata field configuration

- `registries/`

- initial contents of the bitstream format registry and Dublin Core element/qualifier registry. Registry configuration files are only used on initial system setup. After initial setup, the registry is maintained in the database and may be changed through the Administrator's Metadata Registry (e.g. <http://localhost:8080/dspace/dspace-admin/metadata-schema-registry> for an installation on localhost.)

More information about

DSpace

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- [DSpace Summer of Code2](#)
- [Google+Summer+of+Code+2007](#) page about all 5 DSpace projects
- [Original abstract from the SoC application for the Portable Citations project](#)