Repository Tool Connection (RTC): Integration of DSpace Repositories and Symplectic Research Management Systems

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Systems at University of Auckland

Research Management Systems

Library-based institutional repositories

ResearchSpace@Auckland

DSpace
“Modern information systems can only truly thrive when they interoperate with other systems. Institutional repositories are no exception to this rule. Repository software can typically interoperate with other systems in three ways:

- to get things into the repository;
- to get things out of the repository;
- to assist the repository with tasks such as preservation, storage, or authentication.”

Library-based Research Repositories

Interoperability

Research Management Systems
Repository Tool Connection (RTC)

Library-based Research Repositories (ResearchSpace - DSpace)

DSpace Database

Tables: Ids, State, Update, & Merge

Modules

- XMLUI
- JSPUI
- OAI
- SWORD
- RTC (crosswalk)

Research Management System (Symplectic Elements)
Interoperability through Metadata Crosswalk

**DSpace Repository**
- Dublin Core
- Additional Schema (pubs.)
- Thesis (NDLTD)

**Symplectic Elements**
- Fields e.g., author, title

Config options
Locate file - Academic or delegate has a copy of file

Upload file in Research Outputs under the Full Text Tab

Item is stored - no further action is taken until "Grant" button is selected

Administrator checks item matches description and approves deposit

Item is now in processing collection and assigned a Permanent URL

Administrator checks copyright and move item to one of online collections
Lessons Learned

1 + 1 ≠ 2
References/Sources

Thanks to Leonie Hayes and YinYin Latt


- Symplectic, http://www.symplectic.co.uk/about/


- Photo credits:
  - Bridging the boxes: http://www.flickr.com/photos/opensourceway/5755219051/in/photostream/
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