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
“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

Research Management Systems

Interoperability
Symplectic Elements

AtomPub with SWORD

Repository Tools

Digital Repository

ResearchSpace@Auckland
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

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, YinYin Latt


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


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