To develop the Research Expertise Database and the Digital Research Repository in parallel.

Aims and objectives

To establish good communication and practice in centralised and coordinated development of both databases.

To embed the deposit, storage and dissemination of research profile data and publications into centralised workflows and engender academic support for this by demonstrating benefits.

To reuse data and to avoid duplication of data input at every stage of the process, while still maintaining high metadata standards.

To explore the repurposing of data at every stage of the process.

To provide efficiency in University processes while still adhering to the principles of Open Access.

Key dates

2005/2006: Decision to choose DSpace repository software and to join the Scottish Digital Library Consortium.

October 2005: Launch of Research Expertise Database as central publications database and CRIS (Current Research Information System) for the University.

December 2007: Digital Research Repository launched for electronic theses. Thesis deposit for doctoral theses is mandated by the institution. Adds another context to the research environment.

11th April 2007: Research Expertise Database to Digital Research Repository integration demonstrated at the SHERPA ROMEO conference.

March 2008: New version of Research Expertise Database launched with batch import facilities for Web of Science and Bibtex format metadata.

March/April 2008: Pilot live service launched. Initial testing with feedback from selected group of academic staff.

Spring/Summer 2008: Full launch planned.

Value: A one stop shop for St Andrews academics, allowing them to keep their publications list up to date and simultaneously populate an Open Access repository for the institution. A speedy and intuitive process which reduces data entry and gives real benefits to academics.

Added value: Seamless handling of metadata reuses releases academic time to deposit more publications and to focus on the scholarly communication process.

Metadata reuses releases Repository staff time to process the deposits. Metadata reuse releases Repository staff time to advocate deposit eg promotion of the Research Councils' Open Access policies.

Process

An academic updates their own publications list in the Research Expertise database either one by one or via batch input of metadata from third party sources i.e., ISI Web of Science, support for export to BibTex format. Embedded features are look up tables for journal titles. Links to institutional databases to re-use data from ‘gold-copy’ single source e.g., staff contact details from HR database, research student data from Student Records database, research awards from Research Grants Finance database.

Academic then offered the opportunity to supply the full text of the research article, conference paper, book chapter.

The user interface in Research Expertise has been customised to gather extra metadata required for the Digital Research Repository to Deposit licence, version information, abstract which can also be pulled through from Web of Science or other third party source in BibTex format, prior academic contact with publisher in relation to permissions to deposit in an IR, links and a journal link up service to the SHERPA ROMEO database for information on publisher policies.

Automatic transfer of: Default metadata for published and peer reviewed status. Depositor name and email contact details. Depositor’s School and Dept affiliations which map the deposit into the appropriate DSpace collection.

Additional mapping to Research Centre collections. Full text plus the metadata by custom XML to DC mapping. Transactions handled in real time by web services.

Data inputs flow into St Andrews Digital Repository through batch import facility.

Full metadata including default values of published, peer reviewed, version information, abstract which can also be pulled through from Web of Science or other third party source, links and a journal link up service to the SHERPA ROMEO database for information on publisher policies.

Automatic transfer of: Default metadata for published and peer reviewed status. Depositor name and email contact details. Depositor’s School and Dept affiliations which map the deposit into the appropriate DSpace collection.

Additional mapping to Research Centre collections.

To provide efficiency in University processes while still adhering to the principles of Open Access.

Some further development issues will be:

- To explore the repurposing of data at every stage of the process.
- To develop the Research Expertise Database and the Digital Research Repository in parallel.
- To embed the deposit, storage and dissemination of research profile data and publications into centralised workflows.
- To reuse data and to avoid duplication of data input at every stage of the process, while still maintaining high metadata standards.
- To explore the repurposing of data at every stage of the process.
- To provide efficiency in University processes while still adhering to the principles of Open Access.