

# qudex- repository- tools



Self-archiving toolkit for the Fedora  
Repository

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## QuDEX Repository Tools

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## TheTools

*Introduction to the Web tools*

Updated Yesterday (22 hours ago) by [amg...@gmail.com](#)

### QuDEX Repository Tools

The QuDEX Repository is a toolkit designed to help users with a requirement for archiving, searching, and disseminating collections of non-quantitative data, regardless of the type of media. These tools provides researchers, such as research students, early career researchers, or more senior researchers with a means to organise, archive and present their research data. While the tools will work well with the files making up studies conducted with CAQDAS packages, it makes no assumptions about the software used to generate a collection. Many qualitative researchers do not use any dedicated software for marking up their qualitative data - support for research of this type is also provided.

QuDEX Repository is based on a number of existing open-source tools and open standards that are in common use in data archives and repositories. These include Fedora (a digital repository); Lucene (a popular search engine which has been integrated into Fedora); Mulgara (an RDF database used to publish 'linked data' as a SPARQL end-point); the Exhibit browser; the popular Data Documentation Initiative (DDI) standard (in its 2.1 (and earlier) version); Dublin Core (a popular metadata standard for citations and related metadata); and QuDEX (a standard published by the UK Data Archive for describing CAQDAS metadata and similar qualitative data collections). It also uses a number of popular RDF vocabularies for disseminating the collections via Mulgara.

### General Overview

In its first release, QuDEX Repository is a basic set of tools, intended to meet the needs of data archives and libraries and small-scale projects which have no immediate solution for archiving, searching, and disseminating qualitative collections and studies. Main deliverables include:

- a spreadsheet-based tool for capturing metadata about qualitative studies and files, used for ingest into the Fedora repository,
- a tool for creating the collection structure in the repository, and uploading the all the relevant files associated with the collection,
- a tool for visualising and exploring the qualitative collections, displaying the metadata and associated resources via an online interface based on Exhibit framework. The collections' data are sourced directly from the RDF database, which had been populated with the data from the Fedora repository after ingest, and
- an automatically populated and managed Mulgara triplestore, mirroring the contents of the Fedora repository and exposing the contents as both RDF in a SPARQL end-point, and also as Exhibit-compatible JSON.

With this basic set of tools, it is expected that archives, libraries, and small-scale research projects can begin to better manage, search, and disseminate their qualitative data collections. It is hoped that these tools will be extended in future, working on this basic framework. These tools are developed under the Apache License 2.0, entirely developed in Java language and using frameworks like [Spring](#). They can be easily extended and adapted depending on different needs.

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