

The Radboud Data Repository: digital preservation throughout the research lifecycle

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At Radboud University a new tool has recently been developed to archive, publish and share digital research data acquired, processed, and analysed by researchers of the University. This novel repository, named the [Radboud Data Repository](#), serves researchers throughout different stages in the research lifecycle.

To accomplish this, the repository allows researchers to archive their data into three types of data collections, collectively corresponding to a single research project. Raw, unprocessed data of the project are preserved in *Data Acquisition Collections (DACs)*. The research process is documented in *Research Documentation Collections (RDCs)*. Data on which a scientific publication is based are stored and publicly shared in *Data Sharing Collections (DSCs)*. The collection types serve the goals of long-term internal data preservation for re-use, reproducibility, and scientific integrity (*DACs* and *RDCs*) and of open access data sharing with the external scientific community (*DSCs*).

The Radboud Data Repository is suitable for daily data handling and researchers can collaborate on their data with colleagues from inside and outside of the university by extensive role-based access management. When a data collection is complete, it can be archived (*DACs* and *RDCs*) or published (*DSCs*). Access to published *DSCs* can be managed by the researcher based on a wide variety of Data Use Agreements. All data collections are made findable by metadata indexing in a searchable resource, the assignment of a persistent identifier (DOI), and the availability of rich metadata fields.

With this new repository, launched at the start of 2021, Radboud University strives to enable FAIRness of its research data, in line with the university's Research Data Management policy, and to enhance impact of its research.

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