The past, present and future role of CRIS’s in the research life cycle

A case study on how a CRIS supports the implementation of a FAIR RDM policy at Radboud University

Mijke Jetten, Ed Simons & Jan Rijnders
Ed Simons: “CRIS’s are in the process of undergoing a shift in their role and function: from administrative and reporting systems in the past to tools for the researchers themselves closely connected to the research process”
“CRIS’s (...) tools for the researchers themselves closely connected to the research process”

Today’s presentation

The role of Radboud University’s CRIS in archiving data (demo) and data management plans (demo), in the context of the RDM policy and FAIR data, including future plans.
Background: Radboud University

- Students: 20,000+
- Staff: 5,000+
- All fields except Engineering
- Strongly Research oriented
- 2017

Research Information Services

Register your publication

Upload your full text

Dataset archiving and registration

DMP tool
You can make a change about your data management plan.
Background: CRIS and research profiling

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> Results
Projects:

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2016
Article - letter to the editor
- publisher's site

Dataset

2015
Article - letter to the editor

2014
Article - letter to the editor
Background: CRIS for researchers

Research Information Services

Register your publication
You can use the RIS interface to register your publication. Link your publications and datasets and make them visible in the Radboud Repository and on your personal profile page.

Upload your full text
You can use the RIS interface to upload the full text of your publication to the Radboud Repository. Your publication will be easy to find through the usual search engines like Google (Scholar).

Dataset archiving and registration
Use RIS to make a dataset available via the certified DANS EASY archive. Choose 'register only' if you've archived a dataset elsewhere.

DMP tool
You can make a good start on managing your data by writing a data management plan.

Radboud University has developed a tool for writing such a plan, included in the RIS interface.

Log in to RIS
You can use Surfconext to log in. Use your RU credentials (u-number and password):

RIS performs optimally in Internet Explorer, Edge or Chrome.
Dataset archiving

Radboud University’s executive board: “As CRIS (Metis) has been the primary source for research information for years, let’s adjust it to registering and archiving datasets as well”

Radboud University’s RDM policy:
• 2013: archiving data (anywhere) and registering data (CRIS) is mandatory
• 2017: all data has to be FAIR in 2020

RDS project:
• One-stop-shop
  – Technical (CRIS/RIS)
  – Organizational (RIS service desk)
  – Cooperation with the national DANS EASY archive (front office back office model)
  – Including data curation
Data archiving
Front office back office model

Institution (Radboud University) -- Institution

Data hosting Provider (DANS) -- Data hosting Provider

Researcher

Enters metadata

Uploads dataset

CRIS (Metis) -- CRIS (Metis)

Check

DOI, URL and License file

Data Files and Metadata (SWORD Protocol)

Published

On line

Front Office (UB) -- Front Office (UB)

Back Office

(possible) request for correction

Communication to report and correct possible errors

Communication to inform about on line publication
Data management plans

Due to the positive reactions to the research data archiving function in the CRIS, in 2017, the story continues: integrating a data management plan module in the CRIS

Radboud University’s RDM policy (2017/18):
• Appointing data stewards (including monitoring compliance)
• Drafting institute specific RDM policies, in addition to Radboud University’s general policy (2013), including implementation
• Central support (RIS service desk: feedback), with the data stewards as contact person

Challenges
• What about ‘being FAIR in 2020’?
• What about ‘monitoring RDM’?
• The need for ‘policy’ DMP formats
Data management plans

Title dmp
Knowledge of interaction styles and dimensions of interpretation in interreligious adult education

Version name
v1. Knowledge of interaction styles and dimensions of interpretation in interreligious adult education

01 - Research Project

02 - Organisational context

03 - Data Management Roles

For all stages of the data life cycle, it is useful to determine who is or can be of assistance in your daily data management.

3.1 Who is involved in writing the DMP?

3.2 Who is collecting the data?

3.3 Who is processing and analysing the data?

3.4 Who is preserving and giving access to the data after research?
Lessons learned

• Proper infrastructure and support (including data stewards) are vital to make RDM policies work (and convince researchers)

• We need to get away from the silo- and closed vault-thinking

• The success of a one-stop-shop and register-once-use many approach
Future plans

• The need for ‘policy’ DMP formats
• Redeveloping ‘project registration’ in the CRIS, aimed at profiling and making research efforts visible and findable
• Exchange metadata with funders (CERIF), to strengthen the one-stop-shop principle
• What about using the CRIS for pre-registering research (questions) and ethics approvals?
• Connecting the CRIS to the Radboudumc (Medical department) Digital Research Environment (DRE), a tool for storage and tooling during the data life cycle
• Connecting the shared (possibly: ‘dark’) archives of our Donders Institute for Brain, Cognition and Behaviour (big data repository) to the CRIS, to make them FAIR
Questions?

More information
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