Research Data Services & CRIS (METIS)
Introduction
About me

• Piet van Dongen
• 30 years old
• Married with kids
• Software Engineer / Programmer
• Radboud University: Metis, RDM, Portal, ...
Presentation overview

- Project properties: position, goals, points of view
- Usage at Radboud University
- Engineering: technical solutions
- Questions
Project properties
Position, goals, points of view
The long tail

- Research Data Management Pilot (Donders Institute)
- Research Data Services (RDS)
Project goals

- Depositing datasets & metadata
- Generic, institution-wide infrastructure
- Local or (inter)national data repository
- Optimal user support framework
Pilot groups

- Biology
- Informatics
- Language sciences
- Medical sciences
- Social sciences
Project position

RDM Pilot

Support

Task definition, monitoring

Support

Task definition, monitoring

Users

Data deposition

RDS

Data deposition
Points of view

- Integration of contextual metadata (CRIS) and dataset or subject specific metadata
- Upload interface as a ‘one stop shop’
  - Independent of data hosting provider
  - Independent of field of expertise
- Reduction of administrative overhead
- International standards (CMDI, CERIF)
- Agile development
Added value of CRIS integration

- Reuse of CRIS metadata
- Direct, automated publication linking
- Boosts findability, provides context
- Provides a service platform
- Datasets linked to contextual information
- Chances for service providers (e.g. future libraries)
Added value of CRIS integration

Data model
- Discovery metadata (CKAN, e_GMS, DC...)
- Contextual metadata (CRIS)
- Detailed metadata (Domain specific)

Processing model
- Services using discovery metadata
- Services using contextual metadata
- Services tied to domain-specific activity

User

Target dataset(s)

Generate

Point to
Data life cycle & role of CRIS

Data collection

Registration of (metadata for) dataset

Research phase

Selection

Analysis (data life cycle management)

Publication of results

Publications

Linking publications to dataset + archiving of data

Act as base for online services

Role of CRIS

?
Usage
At Radboud University
Example

Researchers

METIS

Local repository

DANS

3TU

‘Dropbox’

Metadata
Data files

Registration & upload

SWORD transfer

CERIF-XML
Discipline-specific metadata

Discipline-specific metadata

CERIF-XML

Discipline-specific metadata

SWORD transfer

Local repository

DANS

3TU

Discipline-specific metadata

CERIF-XML

SWORD transfer

Local repository

DANS

3TU
New interface
### Authors

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Engineering
Technical solutions
Components

(Web) client

Metis
- Personal Metis
- RDS
- Admin
- Promas
- Hora Est

Core

Local repository
External repository
Database
External repository
...

Repository
Database
...

Repository
Database
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Database
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Repository
Database
Working together with RDM

RDM client

RDS client

Shared services

LDAP
SurfConext
Harvesters
External repository
...

...
Questions?