Standarization in quality control data publications

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Agenda

• Data in labs Utrecht University

• Why quality control

• Development procedure

• Structure document

• What to do next
Data Management tasks

Implementation phase

Generic
- Queries / reports statistics (R/C)
- Creating network repository managers (C)
- Criteria correctness repositories (C)
- Procedure for DOI-emission (R)
- Test plan after update (R/C)
- Procedure data publication in Yoda (R)

Domain specific
- Procedure copying published data sets from UU-Yoda to EPOS-Yoda (R)
- Development user environment EPOS-Yoda (R)
- Determine and document metadata schemes (R/C)

Quality check data publication (R)
- Usage metadata editor (R)

Control completeness data publication (R)

Operational phase

Generic
- Run statistics generation (R/C)
- Contact repository managers (C)
- Monitoring connection and technical input repositories (C)
- Consultation licenses (R)
- Technical test after update (R/C)

Domain specific
- Functional test after update (R/C)
- Maintenance metadata schemes (R/C)
- Maintenance user environment EPOS-Yoda (R)
- Usage metadata editor (R)

Incidental

Routine

Control completeness data publication

Quality check data publication
Development procedure

• Data usage and handling by lab researchers

• Offering data at repository

• Guidance and support data management

• Barriers creating metadata and documentation

• Quality control carried out by other repositories
Structure document data deposition

- Process data publication
- Terminology
- Data collection
- Dataset and metadata overview
  - containing checklist
- 2 examples
Data storage and publication procedure

**PID assignment**

Data level
1, 2, 3

Registering of the metadata

**Dataset creation**

Dataset and metadata overview

**Creation of the landing page**

**TCS catalogue**

**Dataset creation**

**Data level 0**

- RAW data

**Data level 1, 2, 3**

- Documentation
  - study aims and methodology
  - files and folders
  - codebook

**Dataset and metadata overview**

- Research
- Data files
- Documentation
- Metadata
- Authorization
- Primary check
- Completeness
- Presentation

**Datapackage publication**

- PID assignment
- registering of the metadata
- Creation of the landing page

**Data collection**

- Laboratory
- Researcher(s)
- Instrument(s)

**Articles**

- Describe the data
- Used the data
- Describe standards
- Provide additional information on the area

**Creation of the metadata**

- domain-specific expertise
- General RDM expertise

**EPOS Thematic Core Services Multi-Scale Laboratories**

**EPOS**

**European Plate Observing System**
What to do next

- Quality control data publications UU labs
- Procedure will be introduced within whole university
- Offer procedure to WP16 consortium board
Added value procedure for MSL

- Visibility how quality of data publications can be guaranteed
- Alignment of aspects that will be checked
- Supplement DMP
- Document does not prescribe how or when aspects need to be checked

Document can be found at shared folder -> WP16 / Data services / TCS DMP
Thanks for your attention!