Collaboration in research data management (RDM) activities – Practices and development at Aalto University

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The premises of the RDM work

WHAT ?

- Develop unified university level and domain specific RDM services for schools and departments.
- Coordinate RDM activities and ensure the interoperability of services.

WHY ?

- Enable validation and repeatability of findings, and opening of data.
- Meet the funders, government and researchers demands.
- Provides the service infrastructure expressed in the RDM policy.

HOW ?

- Establishing the university level RDM working group (WG) and
  - the RDM programme to steer the work of WG.
- Involving the researchers in the RDM work.

RDM work in the institutional context

School of Arts, Design and Architecture
Departments

School of Business
Departments

School of Chemical Engineering
Departments

School of Electrical Engineering
Departments

School of Engineering
Departments

School of Science
Departments

The Research data Management Working Group (WG)

The Library's (Learning Centre) Research and Publication team

The strategy unit
The service unit

IT Solutions for Research team

Learning Services

Research and Innovation Services

IT Services

The actors roles in nutshell

The Research data Management Working Group (WG)

The Library's (Learning Centre) Research and Publication team	The strategy unit The service unit	IT Solutions for Research team

- Mainly centralised services, e.g. publishing, metadata cataloguing, DMPTuuli
- School level: ACRIS maintenance, the school liaisons.

- Services on university and school levels
- Counselling for funding and project management.
- Help in writing application documents like DM plans.
- Commercialisation and legal services

- E.g. data storage and collaboration solutions
- School level:
- Interface to IT infrastructure
- E.g. special data processing needs

Aalto Research Data Management Programme: Action points 2016-2020

1. Open access publishing of research articles – policy and process

DONE

2. Implementation of Data Management Planning Tool, DMPTuuli

DONE

3. Metadata Catalogue for Aalto's open data, ACRIS

PARTIALLY DONE

4. Data Publishing, several repositories (domain specific, ACRIS, Zenodo...)

PARTIALLY DONE

5. Comprehensive services for storage, backup and collaboration
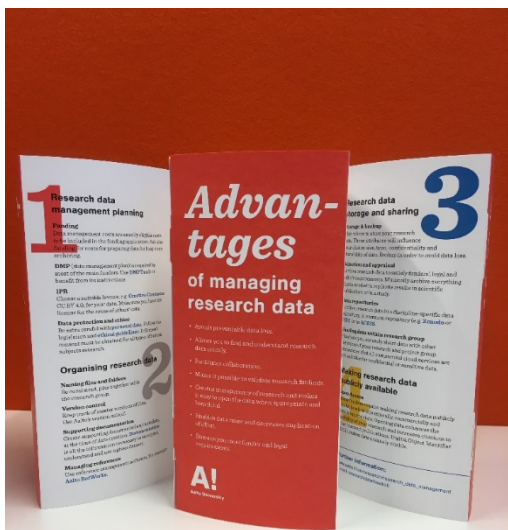
PLANNING ONGOING

6. Combining openness and innovations, Aalto as a trailblazer

PLANNING ONGOING

7. Awareness building activities

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Examples of the joint services

Informing and raising awareness	Collecting information	Giving guidance and support	Provision of the infrastructure

Tietoisuus tutkimusdatan hallinnasta on vähäistä/The awareness of RDM is low among Aalto's researchers

In the research data management (RDM) survey carried out in March 2017, 140 Aalto University researche... what they know about RDM and what they see as the main barriers to openly publishing their research dat...

The answers to the awareness questions show that to the majority of Aalto's researcher RDM is relatively ...

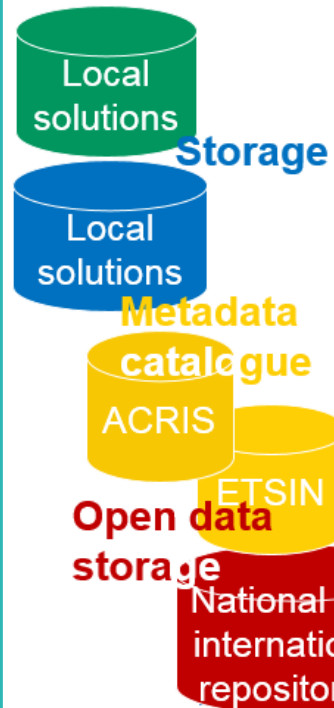|	Disagree	Agree	Don't know
1. We have established research data management practices in our department/ research group.	59	35	46
	42,14%	25%	32,86%
2. I have taken part in preparing a data management plan either for funders or for my department/ research group.	82	42	16
	58,57%	30%	11,43%
3. I am familiar with Aalto University Research data policy (http://bit.ly/2Ihny6X).	87	22	31
	62,14%	15,71%	22,14%
4. I am familiar with research data management website (http://bit.ly/2IDtf76)	102	12	26

Help and support

> researchdata@aalto.fi is a general se... combining the forces of Research an... Services, Library and Aalto ITS focus... data-related issues.

Academy of Finland Ask & Apply -roadshow of ... September call is getting closer - Data management plan -clinic in Otaniemi

Shareable data

Local solutions

Storage

Local solutions

Metadata catalogue

ACRIS

ETSIN

Open data storage

National and international repositories

Research data management

http://www.aalto.fi/en/research/research_data_management/

Research data management

> Research data management −
> Data management planning +
> Data storage, collaboration and backup
> Combining openess and innovation
> Publishing research data +
> Training material
> Help and support

Data management planning	Data storage, collaboration and backup
Open access to research data	Combining openess and innovations
Training materials	Help and support

Data management planning tool

DMP Tuuli

Home

Local activities

Data agent network

Data agents are

- Working in the departments.
- Departments own researchers who spend part of the time
  - Increasing the awareness of RDM practices among researchers.
  - Helping in the domain/data type specific RDM questions, e.g. storing, processing, sharing and opening data.
- Funding for 2017-2020.
- The activities include, e.g. office hours for helping sessions, discussions/ interviews with personnel to find out the RDM related challenges and the service needs.
- Messengers and bridge builders between local needs and university level service personnel.

Local activities

School of Chemical Engineering

RDM work at CHEM

- Led by the Scientific Publishing Committee
- Decision made to start developing RDM work at the school and in the departments:

1) Selection of the data examples.

2) Application of the data and domain specific RDM practices in data handling.

3) Planning and implementation of education based on the data examples.

School of Business

Empirical Wonderland (EW) project in BIZ

- Studied the RDM practices and the attitudes on open data issues in the departments.
- Mapped the availability of the data.
- Investigated concepts to establish an open research and open data platform to attract international researchers.

Conclusion

The Working Group has established its existence.

The university level RDM collaboration has enabled to

- Define the unified tasks for RDM development.
- Identify the RDM actors and crucial topics.
- Start university level and local level activities.

Next steps include

- Confirming the school level services.
- Consolidating the Working Group's operations.
- Increasing the co-operation within the research services.

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! Thank you !