

# Open science in AoF September call 2020

Tampere University Library



# Today's agenda

- Open science and planning data management
  - Questions, comments and discussions
- Open science and Open Access publishing
  - Questions, comments and discussions

# Planning data management

Jari Friman

Saila Huuskonen

Kaisa Kylmälä

[researchdata@tuni.fi](mailto:researchdata@tuni.fi)

# AoF requirements for data openness

- By default, all research data and materials produced with funding from the Academy of Finland are openly available.
- The degrees of data openness may justifiably vary, ranging from fully open to strictly confidential.
- If the research data cannot be made openly available in full, the metadata must be stored in a Finnish or international data finder.
- The planning of data management enables:
  - the opening of research data,
  - reduces the risk of the loss of research data
  - is an essential part of good scientific practice.
- Data management plans must be feasible at site of research and the measures taken in accordance with the plans must be in accordance with good data management practice.
- More information: <https://www.aka.fi/en/funding/apply-for-funding/az-index-of-application-guidelines/data-management-plan/data-management-plan/>

# Changed practices in data management planning

Two stages in data management planning

## 1. While applying funding

- Data management questions embedded in the research plan
- Brief explanation of how data management will be arranged during the project and how data will be opened.

## 2. After the positive funding decision

- An actual data management plan must be submitted within eight weeks of the funding decision.

# Data management questions in the research plan

- Data management questions in the section 4.3. “Open science”.
  1. Where the data will be stored and how they will be backed up during the project
  2. How any legal and ethical issues related to the sharing of data (e.g. ownership, copyright, sensitivity) will be resolved
  3. Where the data or a publishable portion of them will be made available after the end of the project
  4. If the project does not collect or produce any data fully or partially suitable for reuse, justify why the data cannot be made available even partially.

# 1. Where the data will be stored and how they will be backed up during the project?

- Describe suitable storage solutions for your project. For example:
  - Data storage services provided by Tampere higher education community.
  - Services provided by [CSC](#) in case that they are relevant in your project.
  - If you use commercial services, remember data security.
- Describe how your data is backed-up.
- Describe if you have some specific needs for the storage, for example if your data is sensitive or very large.
- Read more about Tampere higher education community [data storage services](#) (also in [Tuni intra](#) but only in Finnish) and [computing and processing support](#) (Tuni intra). If you need more information, contact: [it-helpdesk@tuni.fi](mailto:it-helpdesk@tuni.fi)

## 2. How any legal and ethical issues related to the sharing of data (e.g. ownership, copyright, sensitivity) will be resolved?

- Describe the legal and ethical matters in data opening
  - How you will agree upon the rights of use related to your research data
    - If you reuse the data, who is the owner of copyright or IP Rights
  - If your data includes personal data, describe that you have taken care of the data protection and followed [the data protection rules](#) of the university community.
    - Make sure that the data is anonymous
    - Data protection path of research: <https://www.tuni.fi/en/research/responsible-research/data-protection>
- Make sure that you have permission from research participants for opening the data
- Describe more closely the ethical issues of the research in research plan (part 4.1 )



# 3. Where the data or a publishable portion of them will be made available after the end of the project?

- Describe, what service or archive you are going to use for opening the data
  - [AILA Data Service](#) (Finnish Social Science Data Archive) – FSD will handle the long-term preservation and dissemination of your research data. You can archive both quantitative and qualitative data.
  - [Language Bank of Finland](#) - The Language Bank of Finland is a service for researchers using language resources.
  - [Zenodo](#) – Open data repository, easy to use and suitable for any kind of data files smaller than 50gb. Fuelled by CERN and OpenAIRE.
  - [IDA](#) – Research data storage service provided by CSC (IT Centre for Science)
- Are you able to open the whole data or some part of it?
- If you are not able to open the data, you need to publish the metadata
  - [Etsin](#) – Research data finder, which contains descriptive information (metadata). Part of the [Fairdata Services](#).
  - [Qvain](#) - Research Dataset Metadata Tool. Part of the [Fairdata Services](#).

## **4. If the project does not collect or produce any data fully or partially suitable for reuse, justify why the data cannot be made available even partially.**

Reasons can be:

- Confidentiality
- Ethical issues
- Copyrights or IP rights
- Data is already open

# How to write?

- Answer the questions from the data opening point of view
- Invest to the question 3.,
  - describe carefully where you are going to open the data.
- In question 4, justify thoroughly why the data cannot be made available even partially.
  - You can mention that you will open the metadata
- Make it short!
  - Senior Science Adviser Aki Salo from Academy of Finland, has instructed that, 10 to 15 rows of writing about the data is enough in the Open Science section.

# After a positive funding decision

- A researcher must submit the actual data management plan within eight weeks of the funding decision.
- It's recommended that you use the [DMPTuuli tool](#) to draft the data management plan.
- Be in time! Ask help for [your organisation's data experts](#) when writing the data management plan.
- The plan should be no more than approximately two pages long.
- The site of research commits to ensuring that the data management plan can be implemented at the site of research, and that the measures to be taken comply with good data management practice. The funds can be paid only after the applicant and the representative of the site of research have accepted them.
- More information: <https://www.aka.fi/en/funding/apply-for-funding/az-index-of-application-guidelines/data-management-plan/data-management-plan/>

# Research Data Services



- [Research Data Services](#) at Tampere higher education community helps you manage your research data.
- Our service comprehends Library, IT Services, Research Services, Records Management and Legal Service Team together with The Finnish Social Science Data Archive (FSD).
- We organize research data management [trainings](#) covering topics such as data protection, describing your data, data storage services and sharing your data. Content of trainings and workshops can be tailored to meet your needs.
- We provide you with our [Data management guide](#) and other [resources](#) for the planning, organizing, storing, sharing and protecting of research data.
- We comment on data management plans.
- Please, email [researchdata@tuni.fi](mailto:researchdata@tuni.fi)