
Plan Overview

A Data Management Plan created using DMPonline

Title: Exploring the value of ambiguity and uncertainty in supporting interdisciplinary collaboration

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Template: TU Delft Data Management Plan template (2021)

Project abstract:

This research project will explore value of the concepts 'ambiguity' and 'uncertainty' in supporting interdisciplinary collaboration. It will employ a 'design-based' research approach to data collection. Data collection will happen in the following way:

- 1) in-depth individual entry interviews with 5 participants who are working on a interdisciplinary research project
- 2) a 2-hour focus group with same participants as in step 1
- 3) in-depth individual exit interviews with same participants as in step 1

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Exploring the value of ambiguity and uncertainty in supporting interdisciplinary collaboration

0. Administrative questions

1. Name of data management support staff consulted during the preparation of this plan.

My faculty data steward, Esther Plomp, has reviewed this DMP on 25-01-2023.

2. Date of consultation with support staff.

2023-01-25

I. Data description and collection or re-use of existing data

3. Provide a general description of the type of data you will be working with, including any re-used data:

| Type of data | File format(s) | How will data be collected (for re-used data: source and terms of use)? | Purpose of processing | Storage location | Who will have access to the data |
|---------------------------------------|---|---|---|------------------|---|
| Qualitative individual interview data | Text format (.docx) | Audio recordings of interviews will be transcribed into written text | To answer the research questions through data analysis | Project drive | Dr. Steven Flipse (Responsible Researcher, TU Delft) Dr. Maarten van der Sanden (Promotor, TU Delft) |
| Field notes | Text format (.docx) | I will make personal notes during interviews and focus group. These may contain personal information (e.g. participant names, occupation) | To achieve triangulation of interview and focus group data To jot down initial ideas for data analysis | Project drive | Dr. Steven Flipse (Responsible Researcher TU Delft) Dr. Maarten van der Sanden (Promotor TU Delft) |
| Qualitative focus group data | Text format (.docx) | Audio recording of focus group will be transcribed into written text | To answer the research questions through data analysis | Project drive | Dr. Steven Flipse (Responsible Researcher TU Delft) Dr. Maarten van der Sanden (Promotor TU Delft) |
| Audio recordings | Audio format (.m4a) | Interviews will be recorded with voice recorder | To retrieve textual data for data analysis purposes | Project drive | Dr. Steven Flipse (Responsible Researcher TU Delft) Dr. Maarten van der Sanden (Promotor TU Delft) |
| Video recordings | Video format (exact format depends on yet to be selected camera system) | Focus group will be recorded with voice and video recorders | To retrieve textual data for data analysis purposes | Project drive | Dr. Steven Flipse (Responsible Researcher TU Delft) Dr. Maarten van der Sanden (Promotor TU Delft) |

4. How much data storage will you require during the project lifetime?

- < 250 GB

A project drive <250 GB has been requested with the TNW IT department.

II. Documentation and data quality

5. What documentation will accompany data?

- Methodology of data collection
- README file or other documentation explaining how data is organised

III. Storage and backup during research process

6. Where will the data (and code, if applicable) be stored and backed-up during the project lifetime?

- Project Storage at TU Delft

IV. Legal and ethical requirements, codes of conduct

7. Does your research involve human subjects or 3rd party datasets collected from human participants?

- Yes

8A. Will you work with personal data? (information about an identified or identifiable natural person)

If you are not sure which option to select, ask your [Faculty Data Steward](#) for advice. You can also check with the [privacy website](#) or contact the privacy team: privacy-tud@tudelft.nl

- Yes

8B. Will you work with any other types of confidential or classified data or code as listed below? (tick all that apply)

If you are not sure which option to select, ask your [Faculty Data Steward](#) for advice.

- No, I will not work with any confidential or classified data/code

9. How will ownership of the data and intellectual property rights to the data be managed?

For projects involving commercially-sensitive research or research involving third parties, seek advice of your [Faculty Contract Manager](#) when answering this question. If this is not the case, you can use the example below.

I will be the principle owner of the data, supported and guided by Dr. Steven Flipse (Responsible Researcher, TU Delft) and Dr. Maarten van der Sanden (Promotor, TU Delft). Access to data on the dedicated project drive will be restricted to this three persons. There will be no (re-)use of third-party data and intellectual property rights will not be affected by this study.

10. Which personal data will you process? Tick all that apply

- Signed consent forms
- Data collected in Informed Consent form (names and email addresses)

- Photographs, video materials, performance appraisals or student results
- Other types of personal data - please explain below

I will make audio and video recordings during this research project. These recordings will be used to create anonymized transcripts for data analysis purposes.

11. Please list the categories of data subjects

Principle Investigators (PIs) and/or Work Package leaders who are involved in interdisciplinary research projects.

12. Will you be sharing personal data with individuals/organisations outside of the EEA (European Economic Area)?

- No

15. What is the legal ground for personal data processing?

- Informed consent

16. Please describe the informed consent procedure you will follow:

All the study participants will be asked for their written consent before taking part in this study. The consent forms will be based on the HREC template and they will be e-mailed to the participants personally. In the consent form, the research project's rationale (why) and objectives will be explained clearly. The 'when', 'what' and 'how' of data collection and data processing will be described for every data collection moment: Individual entry interviews, mid-term focus group session and individual exit interviews. I will specifically emphasize the importance of sharing anonymized quotes from the transcripts for the output of this research project. This will be done before asking them for their consent on data sharing.

17. Where will you store the signed consent forms?

- Same storage solutions as explained in question 6

18. Does the processing of the personal data result in a high risk to the data subjects?

If the processing of the personal data results in a high risk to the data subjects, it is required to perform [Data Protection Impact Assessment \(DPIA\)](#). In order to determine if there is a high risk for the data subjects, please check if any of the options below that are applicable to the processing of the personal data during your research (check all that apply).

If two or more of the options listed below apply, you will have to [complete the DPIA](#). Please get in touch with the privacy team: privacy-tud@tudelft.nl to receive support with DPIA.

If only one of the options listed below applies, your project might need a DPIA. Please get in touch with the privacy team: privacy-tud@tudelft.nl to get advice as to whether DPIA is necessary.

If you have any additional comments, please add them in the box below.

- None of the above applies

22. What will happen with personal research data after the end of the research project?

- Anonymised or aggregated data will be shared with others

The raw audio and video recordings will be destroyed after the end of the research project. Anonymized quotes from the transcripts

will be used to substantiate the output of this study, i.e. in a journal article and dissertation chapter. This is standard operating procedure for publishing/dissiminating qualitative social science research.

25. Will your study participants be asked for their consent for data sharing?

- Yes, in consent form - please explain below what you will do with data from participants who did not consent to data sharing

In the consent form, I will explain **why** it is important for this research project to share **anonymized** data (minimized risk). If some participants do not agree with data sharing, I will set up a meeting with them to explain the importance of quotes in the dissemination of this type of research. This should give them a sense of urgency. Of course, I will explain again that only **anonymous** quotes will be shared and only for the purposes of publishing research articles and writing my dissertation. For the sake of science, so to speak.

If this does not work, I will have to find other participants who are willing to consent with data sharing.

V. Data sharing and long-term preservation

27. Apart from personal data mentioned in question 22, will any other data be publicly shared?

- I do not work with any data other than personal data

29. How will you share research data (and code), including the one mentioned in question 22?

- No data can be publicly shared - please explain below
- All anonymised or aggregated data, and/or all other non-personal data will be uploaded to 4TU.ResearchData with public access

Participants will be explicitly asked for consent for sharing the anonymized transcripts through the 4TU repository. I will also explain the rationale behind this idea, namely that other people can actually learn from the views/perceptions of the participants. In this way, they may avoid some of the pitfalls related to interdisciplinary collaboration.

Although I will not ask for sensitive or confidential information, I'm well aware that participants may feel at risk here, reputational or otherwise. If they choose not to consent to this specific point in the informed consent form, no data will be shared publicly.

30. How much of your data will be shared in a research data repository?

- < 100 GB

31. When will the data (or code) be shared?

- As soon as corresponding results (papers, theses, reports) are published

32. Under what licence will be the data/code released?

- CC0

VI. Data management responsibilities and resources

33. Is TU Delft the lead institution for this project?

- Yes, the only institution involved

Respondents from other organizations will be drafted, but TU Delft (i.e. my promoters and myself) will lead this qualitative research project. Respondents are *participants* in the case study, but they are not *research partners* working on the actual data.

34. If you leave TU Delft (or are unavailable), who is going to be responsible for the data resulting from this project?

The Responsible Researcher for this project, Dr. Steven Flipse (s.m.flipse@tudelft)
(Optional: The 'Data Champion' of our group, Dr. Eva Kalmar (e.kalmar-1@tudelft.nl))

35. What resources (for example financial and time) will be dedicated to data management and ensuring that data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

- Dedicated project drive of 250 GB and 4TU data repository of 1 TB. This limit will not be exceeded as this is a small research project (5 participants). Thus, we do not expect any additional costs for (long-term) data storage.
- Clear folder structure
- Readme on how to use the data and for which purposes