
Plan Overview

A Data Management Plan created using DMPonline

Title: Design of a low-cost laparoscope

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Template: TU Delft Data Management Plan template (2025)

Project abstract:

Design of a low-cost laparoscope to be used in low- and middle income countries. A contextdriven approach is used. Therefore, input of medical professionals is needed to provide feedback on the performance and usability of the prototype.

ID: 201625

Start date: 20-04-2026

End date: 31-05-2026

Last modified: 17-04-2026

Design of a low-cost laparoscope

0. Administrative questions

1. Provide the name of the data management support staff consulted during the preparation of this plan and the date of consultation. Please also mention if you consulted any other support staff.

- Sara Shoghi, Data Steward at the Faculty of Mechanical Engineering, has reviewed this DMP on 14-04-2026.

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

- Yes, the only institution involved

I. Data/code description and collection or re-use

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

Type of data/code	File format(s)	How will data/code be collected/generated? <i>For re-used data/code: what are the sources and terms of use?</i>	Purpose of processing	Storage location	Who will have access to the data/code?
Survey forms	.pdf	forms are filled in by hand. These forms will be scanned for storage	Test the performance of the prototype.	Physical forms will be digitized and stored on TU Delft OneDrive. Physical forms will be securely discarded after digitization.	TUD Project team me: Tijn Jeletich Supervisors: Jenny Dankelman Roos Oosting
Informed consent forms	PDF	Informed consent forms signed physically	To obtain and document informed consent.	Physical consent forms will be digitized and stored on TU Delft OneDrive, separately from the survey forms in an encrypted folder. Physical forms will be securely discarded after digitization.	TUD Project team me: Tijn Jeletich Supervisors: Jenny Dankelman Roos Oosting

II. Storage and backup during the research process

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

- < 250 GB

5. Where will the data/code be stored and backed-up during the project lifetime? (Select all that apply.)

- TU Delft OneDrive

III. Data/code documentation

6. What documentation will accompany data/code? (Select all that apply.)

- Data – Methodology of data collection

A description of the data collection process that enables other researchers to replicate the study.

IV. Legal and ethical requirements, code of conducts

7. Does your research involve human subjects or third-party datasets collected from human participants?

If you are working with a human subject(s), you will need to obtain the HREC approval for your research project.

- Yes – please provide details in the additional information box below

I need this DMP to apply for the HREC.

8. Will you work with personal data? (This is information about an identified or identifiable natural person, either for research or project administration purposes.)

- Yes

9. Will you work with any other types of confidential or classified data or code as listed below? (Select all that apply and provide additional details below.)

If you are not sure which option to select, ask your Faculty Data Steward for advice.

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

10. 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.

This is an internal TUD MSc thesis project.

11. Which personal data or data from human participants do you work with? (Select all that apply.)

- Job title and/or employer
- Free text fields (for instance, in questionnaires) in which participants could unintentionally share personal data
- Proof of consent (such as signed consent materials which contain name and signature)
- Names as contact details for administrative purposes

Participants will only be asked to provide feedback on a prototype. The answers will be checked and deidentified if necessary.

12. Please list the categories of data subjects and their geographical location.

Participants are healthcare professionals with experience in laparoscopic surgery.

13. Will you be receiving personal data from or transferring personal data to third parties (groups of individuals or organisations)?

- No

16. What are the legal grounds for personal data processing?

- Informed consent

17. Please describe the informed consent procedure you will follow below.

The researcher will inform the potential participants about the goals and procedures of the research project. The researcher will also inform them about the personal data that are being processed and for what purpose. This information will be provided to the potential participants before the test. All participants will be asked for their consent for taking part in the study and for data processing by signing a consent form before the start of the test.

18. Where will you store the physical/digital signed consent forms or other types of proof of consent (such as recording of verbal consent)?

Physical consent forms will be digitized and stored on TU Delft OneDrive, separately from the survey forms in an encrypted folder. Physical forms will be securely discarded after digitization.

19. Does the processing of the personal data result in a high risk to the data subjects? (Select all that apply.)

If the processing of the personal data results in a high risk to the data subjects, it is required to perform a 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 in your research project.

If any category applies, please provide additional information in the box below. Likewise, if you collect other type of potentially sensitive data, or if you have any additional comments, include these in the box below.

If one or more options listed below apply, 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.

- None of the above apply

23. What will happen with the personal data used in the research after the end of the research project?

- Anonymised or aggregated data will be shared with others

Anonymized data will be shared with others. Personal information will be deleted after completion of the project.

24. For how long will personal research data (including pseudonymised data) be stored?

- Personal data will be deleted at the end of the research project

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

- In the informed consent form: participants are informed that their personal data will be anonymised and that the anonymised dataset is shared publicly

V. Data sharing and long term preservation

27. Apart from personal data mentioned in question 23, will any other data be publicly shared?

Please provide a list of data/code you are going to share under 'Additional Information'.

- All other non-personal data/code produced in the project

**29. How will you share research data/code, including those mentioned in question 23?
*Select all that apply and provide additional details below.***

- I am a Bachelor's/Master's student at TU Delft and I will share the data/code in the body and/or appendices of my thesis/report in the TU Delft Repository

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

- Not applicable - No data/code will be shared in a repository

31. When will the data/code be shared?

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

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

- Other – please explain below

Masters Thesis

VI. Data management responsibilities and resources

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

My supervisor Roos Oosting,

34. 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)?

Not applicable

35. Which faculty do you belong to?

- Faculty of Mechanical Engineering (ME)