# Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** Improving value co-creation between client and consultants in front-end stages of infrastructure projects

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**Template:** TU Delft Data Management Plan template (2025)

**Project abstract:**

Large infrastructure projects are increasingly challenged by delays, cost overruns, and unmet expectations, often due to traditional value creation approaches that emphasize outputs over long-term outcomes. This thesis aims to improve client-consultant value co-creation in the front-end stages of infrastructure projects by developing a structured understanding of how shared goals and resources influence early project formulation. The study employs a mixed-methods approach based on an extensive literature review and semi-structured interviews with key project stakeholders from both client and consultant organizations. A key innovation of this research is the development of a conceptual framework that maps resource integration, collaborative processes, and value outcomes. By analyzing real-world case studies, the research identifies critical drivers and challenges—such as unclear expectations, lack of incentives, and power asymmetries—that hinder effective collaboration. The resulting insights are expected to provide public clients and consultants with practical strategies to enhance early-stage cooperation and improve project delivery outcomes.

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# Improving value co-creation between client and consultants in front-end stages of infrastructure projects

## 0. Adminstrative 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.**

Question not answered.

**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?** *For re-used data/code: what are the sources and terms of use?* | **Purpose of processing** | **Storage location** | **Who will have access to the data/code?** |
|---|---|---|---|---|---|
| Case study information | .pdf, .docx | The company point of contact who is working on the case study | To understand the context of the case study better | TU Delft Onedrive | Responsible researcher (Gokul) |
| Informed consent | .pdf, .docx | through email | Interviewees will sign the consent form before/ during the semi-structured interview where they share insights about the case study. | TU Delft Onedrive | Responsible researcher (Gokul) |
| Interview transcript | .pdf | Microsoft teams | Reference about the insights shared during semi-structured interview, for further data analysis and cumulate findings. | TU Delft Onedrive | Responsible researcher (Gokul), Supervisory committee(Ir. Pedram Soltani, Ir. Hans Ramler, Dr. Ad Straub) |
| Anonymized transcript | .pdf | Microsoft teams | Reference about the insights shared during semi-structured interview, for further data analysis and cumulate findings. | TU Delft Onedrive | Responsible researcher (Gokul), Supervisory committee(Ir. Pedram Soltani, Ir. Hans Ramler, Dr. Ad Straub |
| code and sorting data as output of Atlas.ti | .xls .pdf | Microsoft Excel, Atlas.Ti | to derive codes directly from interview transcripts which will be interpreted | TU Delft Onedrive | Responsible researcher (Gokul) |
| Personal information of interviewees (Name, contact details, job role, professional experience) | - | Mentioned during interviews | To judge their insights based on their association with the project, experience in the field | TU Delft Onedrive | Responsible researcher (Gokul) |

## 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.)

- Other – please explain below
- Data – Methodology of data collection

Qualitative findings from the literature review and semi-structured interviews presented in the Master thesis report.

## 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 intend to submit to HREC for approval, but have not yet done so.

### 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

Contact details, emails from interviewee participants, transcripts of key progress meetings

**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. Any personal information that is collected in the project will not be publicly released.

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

- Other types of personal data or other data from human participants – please provide details below
- Video materials
- Audio recordings
- Telephone number, email addresses and/or other addresses as contact details for administrative purposes
- Gender
- Names as contact details for administrative purposes

Mention of job roles, experience in the field of the interviewees.

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

Interview participants are construction industry professional in the Netherlands.

**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.**

An information sheet about the objectives of the research and an informed consent form (that highlights the personal data that are being processed and for what purpose) will be sent out to participants to read. The signed consent shall be shared by mail by the interviewees either before or when interviews starts to take place. If the interviewee faces difficulty in sharing by email, a verbal informed consent shall be recorded in interview transcript.

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

TU Delft OneDrive

**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?**

- Other – please explain below

I won't publish data related to interview. Just share the anonymised quote in the main content of the thesis.

**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

Their views during the interview will be analyzed as anonymous industry insights.

## 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'.***

- No other data/code can be publicly shared – please explain below why data/code cannot be publicly shared

## 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 [Pedram Soltani, PhD Candidate A+BE, TU Delft, p.soltani@tudelft.nl].

**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)?**

For this MSc. Thesis, the conducting researcher (Gokul) will be responsible for data management in the project. No financial resources or additional time are expected to be necessary.

**35. Which faculty do you belong to?**

- Faculty of Civil Engineering and Geosciences (CEG)