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## Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** DMP example (TBM): Drivers and barriers to the adoption for BlockChain in the food domain

**Creator:** Nicolas Dintzner

**Affiliation:** Delft University of Technology

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

### **Project abstract:**

Block chain is being seen as a solution for traceability of operations over time. This work aims to identify the key drivers and barriers to the adoption of blockchain technology in the food sector in the European Union.

To this end, we will interview several (20) experts working in the food industry, in various roles, and inquire about their current working practices, what digital tools they are using, and their perspective of how block chain technology could ease their work, and the expected challenges in implementing such technology in their domain.

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### **Copyright information:**

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# **DMP example (TBM): Drivers and barriers to the adoption for BlockChain in the food domain**

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## **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.**

Nicolas Dintzner - data steward of TPM

Review: 17/11/2025

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

- Yes, leading the collaboration – please provide details of the type of collaboration and the involved parties below

This MSc thesis work is executed at Unilever.

## **1. 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.**

<b>Type of data/code</b>	<b>File format(s)</b>	<b>How will data/code be collected/generated?</b> <i>For re-used data/code: what are the sources and terms of use?</i>	<b>Purpose of processing</b>	<b>Storage location</b>	<b>Who will have access to the data/code?</b>
<b>interview round 1:</b> Interview recording (personal)	.mp3 / .avi	Recorded during interviews, using TUD MS Teams	Identifying key drivers and barriers to the adoption of Blockchain technology in the Food industry	TUD OneDrive	Me (msc student), TUD Supervisors
Interview transcripts (personal)	.docx	generated during interviews, using TUD MS Teams	Identifying key drivers and barriers to the adoption of Blockchain technology in the Food industry	TUD OneDrive	Me (msc student), TUD Supervisors
Signed consent form (personal)	.docx / paperbased	Obtained from participants before the interviews	Ensuring information is given to participants.	TUD OneDrive	Me (msc student), TUD Supervisors
Thematic analysis documents	Atlas.ti project .xlsx	Derived from transcripts	Identifying key drivers and barriers to the adoption of Blockchain technology in the Food industry	TUD OneDrive	Me (msc student), TUD Supervisors
Industrial traceability logs	.xlsx	Obtained from internship company	identifying key steps in industrial food traceability	Internship company storage solution	Me (msc student), company supervisors

Note: type of data labelled "personal" contain personally identifiable information.  
TUD Supervisors: Laurens Rook.

## 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.)

- Another storage system – please explain below, including provided security measures
- TU Delft OneDrive

As part of this project, the company (Unilever) will provide me with a laptop and secure access to their institutional storage solution.

Company storage will be used to store relevant internal company documents.

### **III. Data/code documentation**

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

- Metadata – I will adhere to the metadata standards used by the data repository where the data will be shared (see section V)
- Software – Usage documentation (README file, docstrings, and in-line comments)
- Data – Codebook describing the contents, structure, layout, and variable definitions of the data
- Data – Methodology of data collection

### **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 will apply to 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.***

- Yes, confidential data received from commercial, or other external partners

The data from Unilever will be accessed through Unilever IT systems.

Any data to be shared with TUD will be reviewed at Unilever first.

Additionally, participants may reveal confidential information during the interviews.

**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.***

The intellectual property rights are framed by a graduation agreement between Delft University of Technology, myself and UniLever.

**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
- Proof of consent (such as signed consent materials which contain name and signature)
- Audio recordings
- Job title and/or employer
- Telephone number, email addresses and/or other addresses as contact details for administrative purposes
- Names as contact details for administrative purposes

All participants for all activities:

Age category (

Gender (Man/Women/other/prefer not say)

Surveys: free text fields

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

interview round 1 :

interview round 2:

**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.**

Question not answered.

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

Question not answered.

**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](mailto:privacy-tud@tudelft.nl)) to get advice as to whether DPIA is necessary.*

- Data processed on a large scale about individuals

**20. Did the Privacy Team advise you to perform a DPIA?**

***Please elaborate on the advice the Privacy Team gave.***

Question not answered.

**21. Please detail the outcome of the DPIA below, describing the measures taken.**

Question not answered.

**22. Where will you store the DPIA report (documents on data processing features and risk assessment)?**

Question not answered.

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

Question not answered.

**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?**

Question not answered.

## **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 underlying published articles/reports/theses

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

Question not answered.

**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?**

- CC BY-NC
- CC BY-ND
- Other - please explain below
- CC BY-NC-SA

Dutch copyright laws (data in 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?**

TUD supervisor: Prof. Bob Alice ([b.alice@tudelft.nl](mailto:b.alice@tudelft.nl))

Company supervisor: Alice Bob a.bob@unilever.com

**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 Technology, Policy and Management (TPM)