Plan Overview

A Data Management Plan created using DMPonline

Title: PhD project

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Template: TU Delft Data Management Questions (old version, do not use)

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PhD project

General TU Delft data management questions

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

Heather Andrews, Data Steward of the Faculty of Aerospace Engineering of the TU Delft.

Date of consultation with support staff [YYYY-MM-DD]

2021-01-12

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

- Yes, the only institution involved

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

Associate Professor Dr. Roland Schmehl (r.schmehl@tudelft.nl)

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

- Git(lab)/subversion repository at TU Delft

The project is mostly on methodology development/developing code. The generated results are in general not of direct use to other parties, but the code is. Sandbox code repositories (git) will be used for regular back-ups. These private repositories are shared with R. Schmehl. Code that is used for a publication will be condensed and shared in a public repository on the Github (organization) account of the research group (https://github.com/orgs/awegroup), e.g.: https://github.com/awegroup/awe-era5. Important text documents, such as papers, will be saved and backed-up in Overleaf in the cloud and shared with R. Schmehl.

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

- < 250 GB

As explained earlier, the produced results in this project will mostly be code and not data, therefore, limited data storage suffices. All input data is not owned by the project and is already backed-up by the external parties.

5. What data will be shared in a research data repository?

- Not all data can be publicly shared - please explain below which data and why cannot be publicly shared

In principle, all produced code that can be of use to other parties/implementations of published methodologies are made publicly available. Sandbox repositories are kept private, but are in the end condensed into a well-documented public code repository. Not all input data is published together with the code. Flight data of external parties can not be published, e.g., flight data of Kitepower B.V. (https://kitepower.nl/data-request-form/). In that case, the code repository refers to the external party and relevant metadata is documented. For already public wind data, downloading instructions are provided in the code repository if the data is large.

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

- < 100 GB

Storage needed will be limited. 4TU storage is expected to be sufficient for publishing input wind data, e.g., https://doi.org/10.4121/uuid:646eaf3f-c90b-4f22-89bf-8986804def3c .

7. How will you share your research data (and code)?

- My data can’t be shared in a repository, so the metadata will be registered in Pure instead and all research publications resulting from the project have a statement explaining what additional datasets/materials exists; why access is restricted; who can use the data and under what circumstances.
- I will share my data and code via git(lab)/subversion and also create a snapshot in a repository
- Data will be uploaded to the 4TU.Centre for Research Data

In the first place, produced code will be made publicly available in a repository on the research group's Github account. A release will be issued and DOI generated for the version used for writing any publication. This should include documentation on the dataset (metadata/source), if the dataset itself can not be published. If the dataset is too large for version control, a 4TU repository will be made for the release including both the data and code used for writing the publication.

8. Does your research involve human subjects?

- No

9. Will you process any personal data? Tick all that apply

- Other types of personal data – please explain below

Non applicable

TU Delft questions about management of personal research data

1. Please detail what type of personal data you will collect, for what purpose, how you will store and protect that data, and who has access to the data.

Non applicable

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

- No

Non applicable

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

Non applicable

4. Will the personal data be shared with others after the end of the research project, and if so, how and for what purpose?

Non applicable

5. Does the processing of the personal data results 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 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 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 apply

Non applicable