Plan Overview

A Data Management Plan created using DMPonline

Title: 3mE-PhD-Magnetometers for refined localization of equipment for underwater applications

Creator: Frida Viset

Principal Investigator: Frida Viset, Frida Marie Viset

Data Manager: Frida Viset

Affiliation: Delft University of Technology

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

Project abstract:

In this project we will use an array of magnetometers measuring the magnetic field combined with inertial sensors and barometers to perform the underwater localization. The barometers provide information about the depth, roll and pitch of the sensor setup. Roll and pitch information can be obtained from the accelerometer. Integration of the accelerometer data to position is highly susceptible to errors, resulting in a drift between the estimated and actual position. Accurate estimation of the remaining three degrees of freedom, surge, sway and yaw, is therefore significantly more challenging and we will focus on using an array of magnetometers to overcome this challenge.

ID: 67948

Last modified: 20-04-2021

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

3mE-PhD-Magnetometers for refined localization of equipment for underwater applications

General TU Delft data management questions

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

Yasemin van der Velden, the Data steward of 3mE

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

09-12-2020

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?

Manon Kok (m.kok-1@tudelft.nl)

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

- Another storage system - please explain below, including provided safety measures

Dropbox. Dropbox makes sure there are always redundant copies of the data; data is automatically backed up and synced across devices and has version control.

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

- < 250 GB

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

- All data (and code) underlying published articles / reports / theses

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

- < 100 GB

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

- I will share my data and code via git(lab)/subversion and also create a snapshot in a repository

8. Does your research involve human subjects?

- No

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

No personal data

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.

Question not answered.

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

Question not answered.

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

Question not answered.

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

Question not answered.

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.

Question not answered.