**The data management plan must include the following information:**

**1.     Collaborators** (archives, storage services, etc.)

With which collaborators will the data be managed and made openly available?

The data will be managed internally by the project partners.

All data will be available to all collaborators in the project and all data will be available to the public. Since all of the partners have a long background in opensourcing measurements and software, all produced tools, measurements, documentations and other data will be freely available after the completion of the project. In the project budget we have allocated resources for open access journal publications. This budget is allocated only for publications in the EAS project.

**2.     Type of data**

What types of data (e.g. qualitative, quantitative, measurements) will the project collect or use? The data content is described in more detail in the research plan.

Raw data measurements – This is data obtained from measurement devices with no post processing. The data is usually stored in a comma separated file or similar plain text format.

Refined data measurements – Refined data is produced from raw data by filtering or other methods to highlight the important aspects of the raw data. The data is usually presented as Matlab data, excel sheets or in plain text format.

Publications – Written articles or technical reports containing refined data from measurements in combination with the surrounding descriptions of the data. The data is usually presented in Latex format together with Bibtex entry files.

Software source code – Source code in any program language used in the project. The data is most likely C, Python, C++ and Matlab files together with header files, scripts and README files.

**3.     Technical documentation**

How will the data be documented? For example, what file format and metadata standard will be used?

All technical documentation will be in the Latex format. Bibliographical entries will be in the Bibtex format and pictures, diagrams and other illustrations will be documented using the PDF format with vector graphics if available. Technical reports will be published as non-peer reviewed documents available at the university web page and includes an ISBN number.

**4.     Ethics and legal compliance**

How will ethical issues concerning data management (e.g. sensitive personal information, third-party access to data) be taken into account? How will copyright and IPR issues be managed?

There are no ethical issues in this project.

No sensitive data is produced in the project.

All software as a result from the project will be either as a standalone software produced by the partners or licensed using the BSD-3 license.

In case the produced software in the project is part of larger third party software, the produced software is licensed using GPL in case the third party license is GPL, otherwise the produced software obtains another suitable license (preferably BSD-3).

**5.     Data sharing and long-term preservation**

How will the data be made available for subsequent use by other researchers?

All data will primarily be stored on an internal git repository provided by the Åbo Akademi University. Externally, results from the project will be published as follows:

* Raw or refined measurement data will be stored available for the public on the Zenodo platform (<https://zenodo.org/>). The published data on Zenodo can get a DOI and can be cited in publications.
* Source code of programs created in the project will be published freely on github directly available for cloning.
* Articles, journals or other publications will be available from the platform used for the publications (IEEE, ACM, Springer, Elsevier etc.). Non-peer reviewed technical reports will be made available on the university website with a direct link to the PDF file.