

---

# Molecular Sensors

*A Data Management Plan created using DMPonline*

**Creator:** Mads Larsen

**Affiliation:** Syddansk Universitet / University of Southern Denmark

**Template:** Digital Curation Centre

**ORCID iD:** 0000-0003-1621-1438

**Last modified:** 10-09-2020

## **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

# Molecular Sensors

---

## Data Collection

All experimental work is described in my lab journals (PhD - Mads Christian Larsen - Lab X, where X is roman numerals starting with I), and each experiment is numbered MXXX, starting with M001. All contain information, depending of the type of experiment, ranging from organic synthesis, spectroscopic measurements, or measurements of material conductivity.

All data is collected and stored locally on the connected pc, for each type of instrument. All data is stored as proper file formats, containing all data and settings for each measurement. This often includes saving one measurement as two or more different file formats. This ensures data preservation, as well as protect against corruption of files, because it is not limited to only one format.

All experiments are, as mentioned above, numbered using the same system, which helps keeping a record of the data, between types of data, measurements and file formats.

## Documentation and Metadata

The raw data files are never altered, only imported into data analysis software and compiled with other data files as complete experiments. These compiled data files are saved separately, and does not alter the original files, but just link to the data by a "path".

## Ethics and Legal Compliance

This project does not contain any sensitive data.

It depends on the "form" of intellectual property, but I will act in conjunction with the proper code of conduct.

## Storage and Backup

All computers connected to measurement equipment is not allowed to be connected to the internet, and most of the equipment does not have the capability to "push" files to the FKF S-drive. Thus the data collected is stored on the computer used for the measurements, and the data is only copied to a specific USB stick which belong to the computer. When the data is moved to my own computer for further storage, and analysis, it is not copied, it is "Cut" by which it is moved to my computer and deleted from the USB stick at the same time.

All computers used for measurements, as well as my own, are protected by password. The department allow storage on the internal drive (S-drive), on which all access is restricted and controlled for each user, with only access to approved folders. My work computer, I received from the university has One-Drive approved by SDU.

## Selection and Preservation

All data is stored, both for preservation, and future use, and will as for now, be kept indefinitely.

All data I stored on both local harddrives, including my own work pc, and the pc's connected to the measuring equipment. The data is also stored on the FKF S-drive.

## **Data Sharing**

Primary sharing of processed data is as supporting information for the published papers, and ofc. As part of the actual papers. Results will also be shared in the form of posters at conferences, and/or presentations.

By default, no, unless the potential journal specifies otherwise.

## **Responsibilities and Resources**

The DMP is reviewed and revised by project research members

Question not answered.