

LOVE YOUR DATA

A WORKSHOP
INTRODUCING GOOD DATA
HANDLING PRACTICES

CLAAUDIA
RESEARCH DATA SERVICES

CLAAUDIA.AAU.DK

ABOUT THE WORKSHOP

Within almost all research projects, in all disciplines, researchers are juggling with research data, or what might also be referred to as 'assets'. These comes in all different colors and shapes, being anything from field observation notes, interviews, literature reviews to experimental data or simulation outputs. It is everything that comprise the basis for your research, and can be both something you made, or something you got from others.

While doing your research you should pay attention to ensure good practice in the handling of your valuable sources and outputs. This can be under influence of both legislation giving strict rules, funder or publishers expectations, or perhaps more intangible notions of replicability or reproducibility.

In this creative workshop we explore the aspects of good practice together, and what it means in your context. We also have focus on how good data management planning can help, and how you can work schematically in a data management plan.

STRUCTURE AND ACCREDITATION

The main workshop is 3½ hours, with a supplementary 3½ hours workshop following within two months.

The course/workshop is accredited 1 ECTS point by some ph.d. schools. Consult your counsellor or the ph.d. administration office for details.

Maximum number of participants per workshop is 20 people. The workshop is in English, or can be in Danish by request.

PROGRAM

Welcome

Motivation and reasoning

What is data? Identifying your datasets

Core components: Data types, platforms and software

Stakeholders: mapping motivation and stakeholders

The FAIR principles

Themes of good data practice

Data flow method

Doing planning and making a data management plan

THEMES

BUDGET

SECURITY

FILE FORMATS

ETHICS AND PRIVACY

METADATA AND DOCUMENTATION

RESPONSIBILITY AND DUTIES

INTEGRITY AND QUALITY ASSURANCE

BACKUP AND RESTORE

GOVERNANCE AND MANAGEMENT

REFERENCEABLE AND CITABLE

IPR AND LICENSES

MEET THE REQUIREMENTS

The formal requirements for your data handling practice varies a lot. Common to these requirements is that they are fact like statements that you must meet. Often you encounter these in wording like compliance, rules, instructions found in policies, legislation, contracts.

The workshop looks into requirements like:

- Data Management plans
- Legislation e.g. the general data protection legislation
- Contractual obligations from business partners
- Funder and publisher requirements
- Archival demands

ALIGN WITH THE EXPECTATIONS

The expectations for good data handling practice are often a bit more vague, and expressed in terms like 'you should', 'we expect' etc. They might look like requirements, but often have less constraints on how you actually meet them.

During the workshop we look into expectations such as:

- Data management planning
- Published and open data
- Reproducible research
- Good practice in line with the FAIR principles

HARVEST THE POTENTIALS

A part of good data handling practice is to focus on maximizing the value of your research data.

Both from a egocentric, institutional and community point of view the workshop will look into actualizing potentials like:

- Optimizing performance on trivial data handling tasks
- Exposing you and your research through the light of the FAIR principles
- UN Sustainability Development Goals and data publishing
- New data handling methods for possible new discoveries



PROVIDING A FRAMEWORK TO MAKE TIMELY QUALIFIED AND GOOD DECISIONS

Being predictive is one of the most important aspects of proactive good data handling practice. Planning data handling - and possibly formalizing it in a plan - is a helpful process, and the plan that can help you reduce risk and avoid unpleasant surprises. In short we work with planning on how to meet the requirements and the expectations while harvesting the benefits and the potentials.

Bearing in mind that research is an agile and continues evolving process, the framework will focus on how to navigate and stay predictive in world of constant change.



KNOW AND WORK WITH YOUR STAKEHOLDERS

Navigating in the jungle of good data management practice, is also a matter of knowing your stakeholders. During the workshop, we align your research data handling practice, with the requirements, expectations and potentials from various stakeholders; e.g. the university, a supervisor, government, funders, publishers, collaborators, reviewers, archives etc.

And last, but not least, you are also a stakeholder, benefitting from good practice.

UTILIZE PLATFORMS AND SOFTWARE

The workshop has strong focus on how - and which - infrastructures/platforms and software can support you. Good data handling practice often spans a wide range of various systems, and the workshop looks at the entire lifecycle; from acquisition, analysis, sharing, publication, archiving and forward to potential reuse.

**BYOP:
BRING YOUR
OWN PROJECT**