RESEARCH DATA MANAGEMENT TRAINING FOR PHD STUDENTS AT UNIVERSITY OF HELSINKI
Three Approaches:

Medical Sciences
– *Katri Larmo* & *Tiina Heino* & *Mari Elisa Kuusniemi*

Life and Natural Sciences
– *Liisa Siipilehto* & *Kaija Sipilä*

Humanities and Social Sciences
– *Monica Allardt* & *Susanna Nykyri*
INFORMATION MANAGEMENT FOR DOCTORAL CANDIDATES (1 CREDIT)

The course consists of the following topics:

1) Finding and managing research information
2) Research evaluation
3) Publishing
4) Online presence
5) Research data management and open access as an ongoing thread.

There are typically five voluntary contact sessions (5 x 2 hours). The course can also be completed online as a distance course.
RESEARCH DATA MANAGEMENT COURSE GOALS

• to get **motivated** and **see the benefits** of managing research data
• getting to know some of the **key policies** and requirements
• to get an **overview**: **planning** (e.g. DMP Tuuli), collecting, managing, citing, sharing and preserving research data
• meeting other PhD students tackling with the same kind of issues; **peer experiences** and solutions
• finding out where to get help
Faculty of Medicine
(Meilahti Campus)

– Katri Larmo & Tiina Heino & Mari Elisa Kuusniemi
Pre tasks in Moodle:

- Two motivational videos
- Questionnaire on one's own data
- Other materials for inspiration

2 hour hands on session
Starting with:

- the questions raising from the pre tasks
- small group discussion:

  “Tell others about your research data”
Doctoral School in Health Sciences
Managing Research Data

Next: What to consider in each stage of the research data life cycle
Doctoral School in Health Sciences
Managing Research Data

Materials in Moodle;

links to further information, services and policies (UH and others);
students can follow during the presentation

Examples on medical sciences

Selecting Licenses for Re-Use

- A license defines what others may or may not do with your data.
- Creative Commons
  - CC License Selector
  - summary of permissions given by CC licenses / CC Australia
- Open Data Commons
- How to License Research Data? Digital Curation Centre
- CC and Open Data Commons licenses Stanford University Library

Get help:
Sharing & re-use; Helsinki University Library
researchdata@helsinki.fi

Annals of Internal Medicine

Sharing Clinical Trial Data: A Proposal From the International Committee of Medical Journal Editors
Doctoral School in Health Sciences
Managing Research Data

Questions and discussion encouraged; two information specialists giving the course together; easier to stimulate conversation

If a question can’t be answered during the session we’ll get back afterwards

Inspiration for the course set up taken e.g. from Lisa Federer’s sessions (UCLA Biomedical Libraries’ YouTube Channel)

Moodle materials available also after the course: easy to get back
Doctoral School in Health Sciences
Managing Research Data

Why this approach:

– limited resources (no checking assignments)
– participants can come back with questions any time with “real” questions at the right time
– training style

Main points: course participants: feel that data management is important, know where to ask help, get to know us and we get to know them

The course fulfilled my expectations. The teachers were very helpful and stressed their availability in the future as well. The threshold to contact Terkko experts is now lower since I have met the lecturers face-to-face and I know who to contact.
Faculty of Agriculture and Forestry
Faculty of Biological and Environmental Sciences
Faculty of Veterinary Medicine
Faculty of Pharmacy (Viikki Campus)
Faculty of Science (Kumpula Campus)

– Liisa Siipilehto & Kaija Sipilä
The aim of this section is to help you to write the data management plan for your research project.

The learning is based on your own work.
RESULTS

Students gave positive feedback;

✓ lots of work but useful
✓ personal feedback was highly valued
✓ nobody criticized the method

Study materials:

✓ more information about metadata, data storing and sharing

Teachers:

✓ very rewarding way of teaching; personal contact with students
✓ DMP-feedback for every plan was demanding and laborious
✓ liaison librarians with specialist knowledge of disciplines might be better teachers
Faculty of Arts
Faculty of Behavioural Sciences
Faculty of Law
Faculty of Social Sciences
Faculty of Theology
(City Centre Campus)

– Monica Allardt & Susanna Nykyri
Course: Information Management for Doctoral Candidates in Humanities and Social Sciences (1 ECTS CREDIT)

One of five modules is about research data management

Course content of Research Data Management Module:

Online or combination Online and 2h Workshop in Computer Lab

Definitions of data, managing and sharing data - online/workshop

Research Data Life Cycle - online/workshop

Two Finnish data archives: Finnish Social Science Data Archive and Language Bank of Finland - online/workshop
Data management plan - online/workshop

- Requirements - Examples

Services related to research data at UH - DataSupport - one address:
researchdata@helsinki.fi - online/workshop

Discussion (in small groups of 2 or 3) - workshop: discuss your research data

Using DMP tool Tuuli - online/hands-on in workshop -

Writing a DMP in the workshop helps clarify data issues
These sections of the RDM module are only online - not possible to include everything in the workshop

Documentation of your data (metadata) - online
Data protection, privacy and confidentiality - online
Copyright and licensing - online
Citing data - online

**Course Assignments:**

At the beginning of course to present yourself and your research

Main Assignment: Writing an Information Management Plan for your research including a short DMP - we recommend using the DMP tool Tuuli - [https://www.dmptuuli.fi/](https://www.dmptuuli.fi/) - presented above -

students are divided into pairs who give feedback to each other
CONCLUSIONS

• All fields of study (four campuses): Common Practices & Unique Solutions

• Content & methods in a **constant flux** – are actively updated
Thank You!

monica.allardt@helsinki.fi
katri.larmo@helsinki.fi
susanna.nykyri@helsinki.fi
liisa.siipilehto@helsinki.fi