

# E-course on Research Data Management at UT Library

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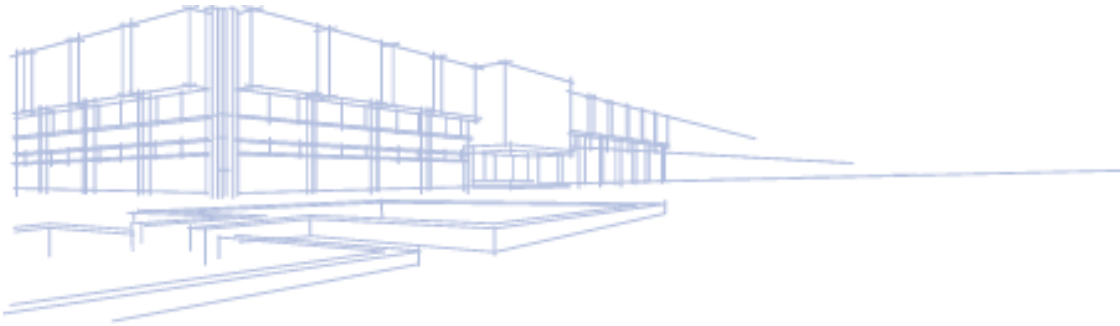
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# UNIVERSITY OF TARTU



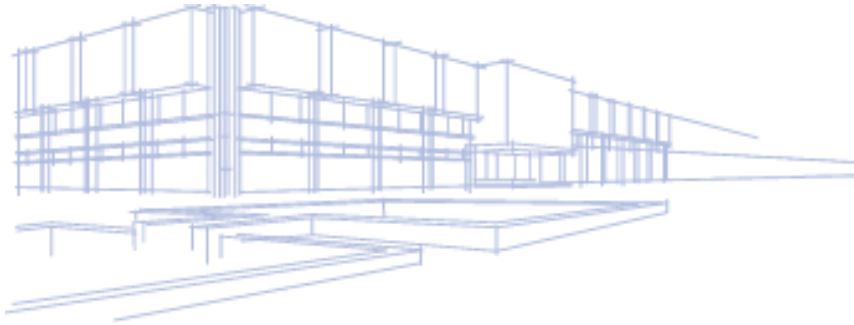
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# Outline

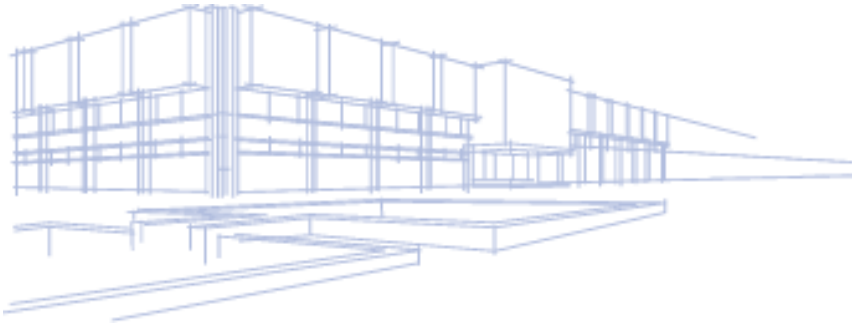
- Course overview
- E-course model
- RDM module
- RDM learning objectives
- Assignments
- Repositories, problems
- Students' feedback
- Conclusions
- Next steps





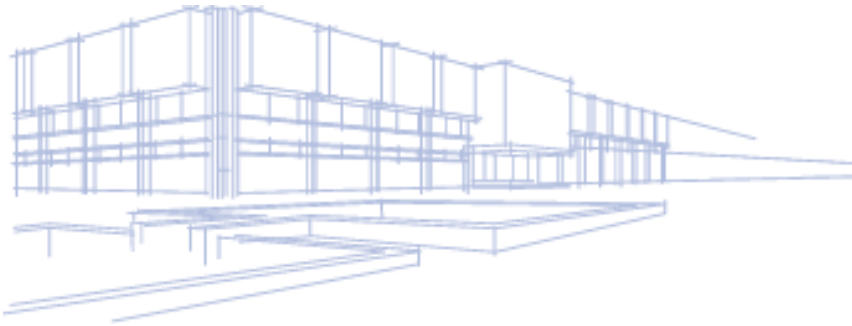
# Course Overview

- **Introduction to information research**
- Online course in Moodle, Sisu@UT websites
- 8-module elective 3-ECTS course (9 weeks)
- Since 2008, RDM since 2015
- Integrated to all doctoral curricula
- **59** PhD students in 2015, **110** in 2016,  $\approx$  60 in 2017
- 28% *Medicina*, 29% *Socialia*, 26% *Realia et Naturalia*  
17% *Humaniora*
- [RDM free tutorial](#)



## E-course model

- Based on personal information needs  
(PhD thesis topic)
- Individual tutoring and feedback by subject and data librarians
- Independent learning in suitable place and time
- Open forums as contribution to learning community
- Assignments
- Reflection



# RDM Module

- Terminology (Research Data, Open Data...)
- Research funding in Estonia
- [Principles&Recommendations](#) of RC on OS
- Legal and ethical issues
- **Research Data Management**
- Data repositories
- DataCite and DOI





## **RDM Learning Objectives**

Finishing the RDM module students should have realised the importance of raw scientific data and the necessity of data management, are able to find and use open data repositories, know what is the digital object identifier and how to get the DataCite DOIs for their own datasets.

- Introduction ▾
- Legal and Ethical Issues ▾
- Research Data Management ▾
- Data Repositories
- DataCite and DOI ▾
- DOI for a Dataset**
- References

## DOI for a Dataset

In case you have decided to make your dataset accessible for other researchers you probably want to obtain a DOI to get proper citations.

### Take the following steps:

1. Arrange your research data
2. Create metadata for the dataset
3. Find a repository or data center (subject-based or institutional)
4. Get in touch with the repository manager
5. Upload the dataset
6. Any questions? E-mail to [University of Tartu Library](mailto:University of Tartu Library) [datacite@ut.ee](mailto:datacite@ut.ee)



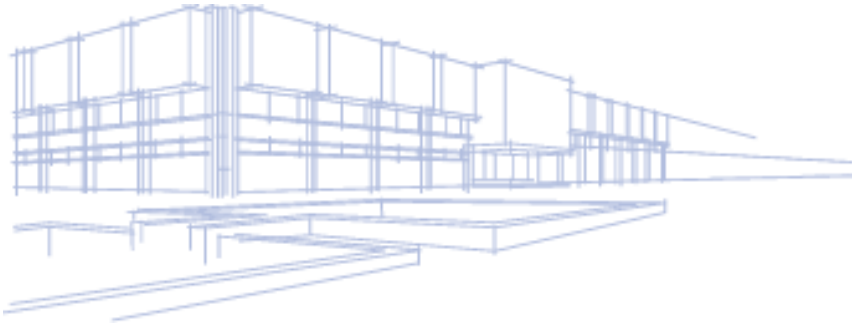
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# Assignments

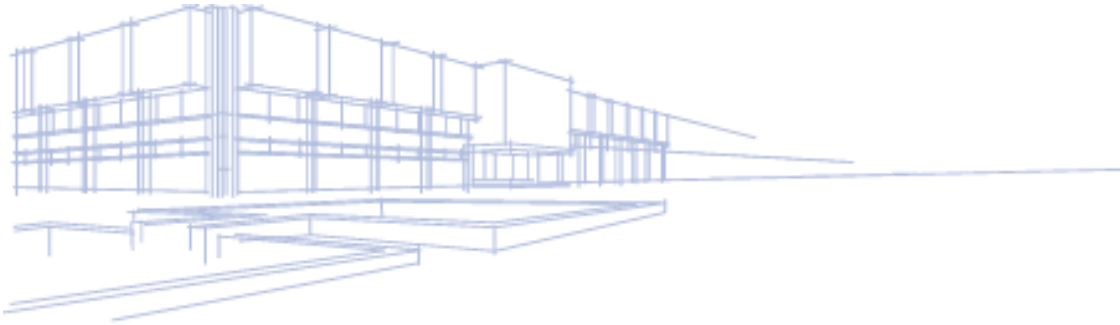
1. Get familiar with registers of repositories and find a data repository and a dataset that is relevant for your research
2. Study the [checklist](#) of DMP. Answer the questions in context of your (forthcoming) research
3. Use DataCite Metadata Search and find out, how many DataCite DOIs has minted Tartu University as allocator so far (491 074 (26.04.2017))
4. **2017: Use repository registries, DataCite or OpenAire portals and point out the repository from which you found a suitable dataset.**
  - **Did you find how to cite the data from the repository?**
  - **Comment on your searches and analyze their productivity.**



# Repositories, problems

- „I have never heard about open research data repositories before!“
- Search is much more complicated compared to search in article databases
- Not enough metadata
- Students don't understand datasets
- Reliability of data

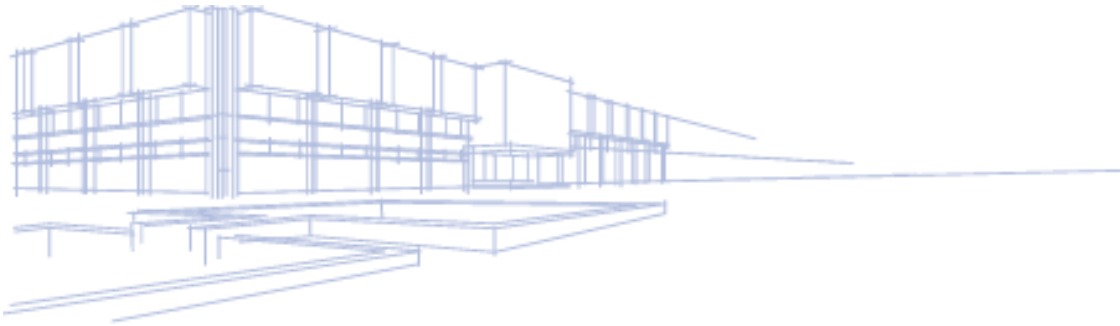




# Feedback

*„Until reading the learning material, I had not thought about some of the most important aspects of data management for my research. I had thought only about the ways in which I would manipulate my data, enhance it and process it once it was gathered.*

***I had not thought about the ways in which it could be documented to allow it to be preserved, accessible and reusable by other researchers. For these reasons data management appears to be more important than I originally considered.“***

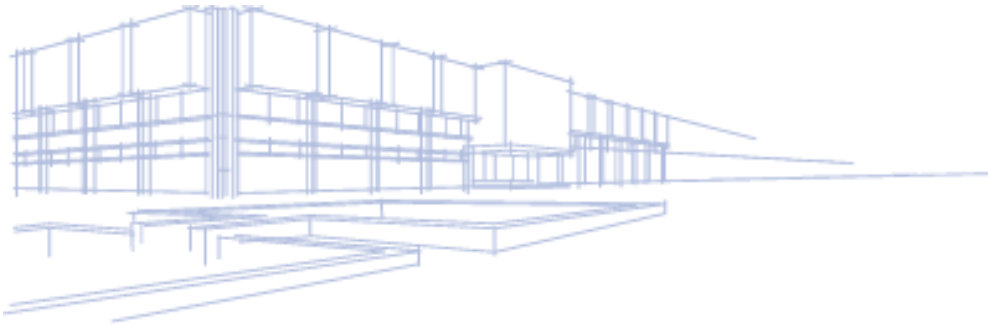


# Feedback

**Have you ever thought about the importance of data management?**

*„Absolutely, it is an essential consideration for my research project. This was drummed into me when I was doing my Master’s degree at the University of Manchester,,*



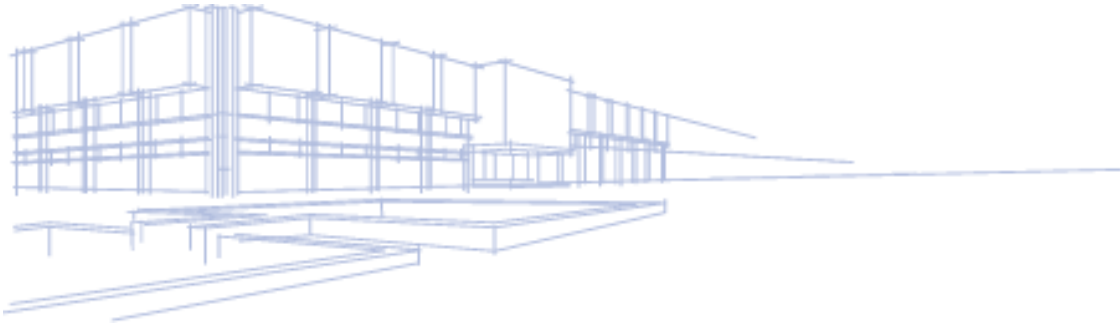


## Starting to design a RDM course...

- RDM glossary is needed
- Start from the beneficials
- Discipline-based teaching
- Research topic defined
- Case studies as examples
- Step-by-step self-tests
- Digital literacy!

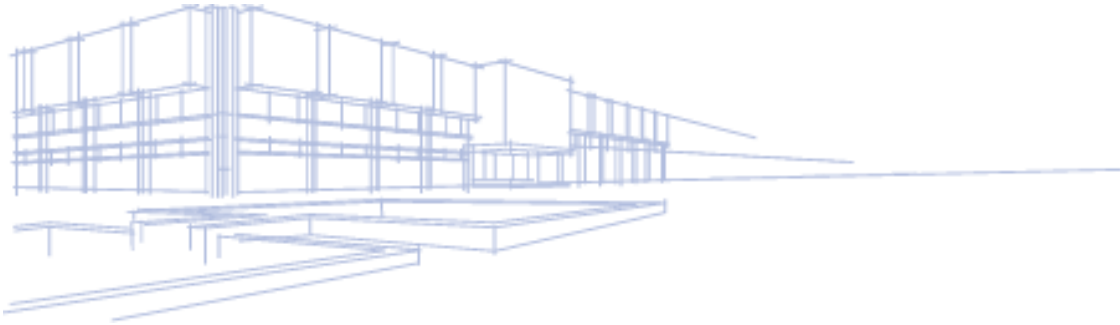


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## Next Steps

- „Special course on RDM needed!“
- Full RDM e-course for PhD students
- Apply the course results to research workflow
- Data Management Plan (DMPonline)
- F2F courses (Doctoral Schools)
- 2h introductions to everyone interested



# Outcomes

Tarkpea, T., Seiler, V. Integrating data literacy into Information literacy e-course for PhD students //European Conference on Information Literacy (4. : 2016 : Praha, Česko)

The Fourth European Conference on Information Literacy : (ECIL)  
October 10th-13th, 2016, Prague, Czech Republic : abstracts / editors:  
Sonja Špiranec, Serap Kurbanoglu, Hana Landová, Esther Grassian, Diane  
Mizrachi, Loriene Roy, Denis Kos. -- Prague : Association of Libraries of  
Czech Universities, 2016. -- 240 pages.

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# Thank you!

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