



Research data management: Experiences of scholars in Finland

Heidi Enwald, Terttu Kortelainen & Maija-Leena Huotari

Information Studies

University of Oulu, Oulu, Finland



Research data management - Finland

- in Finland most universities have published their data management guidelines.
- Ministry of Education and Culture
 - Open science and research -initiative
 - Development of the national data management tool (DMP tool) in Tuuli-project (2016).
- In Finland the status of open access to research data has been implemented in a large-scale Open Science initiative and the other Nordic countries are following (NordForsk 2016).
- Scholars knowledge on the topic, their attitudes and their actual behaviour relate to research data literacy.

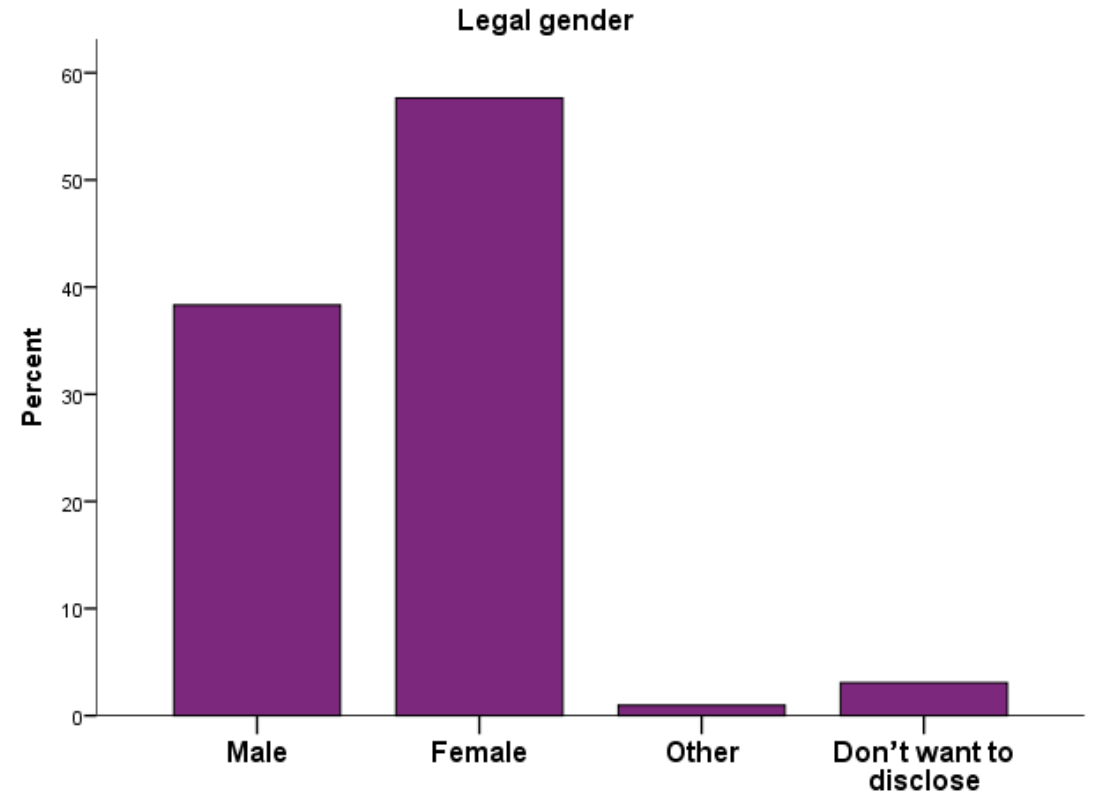
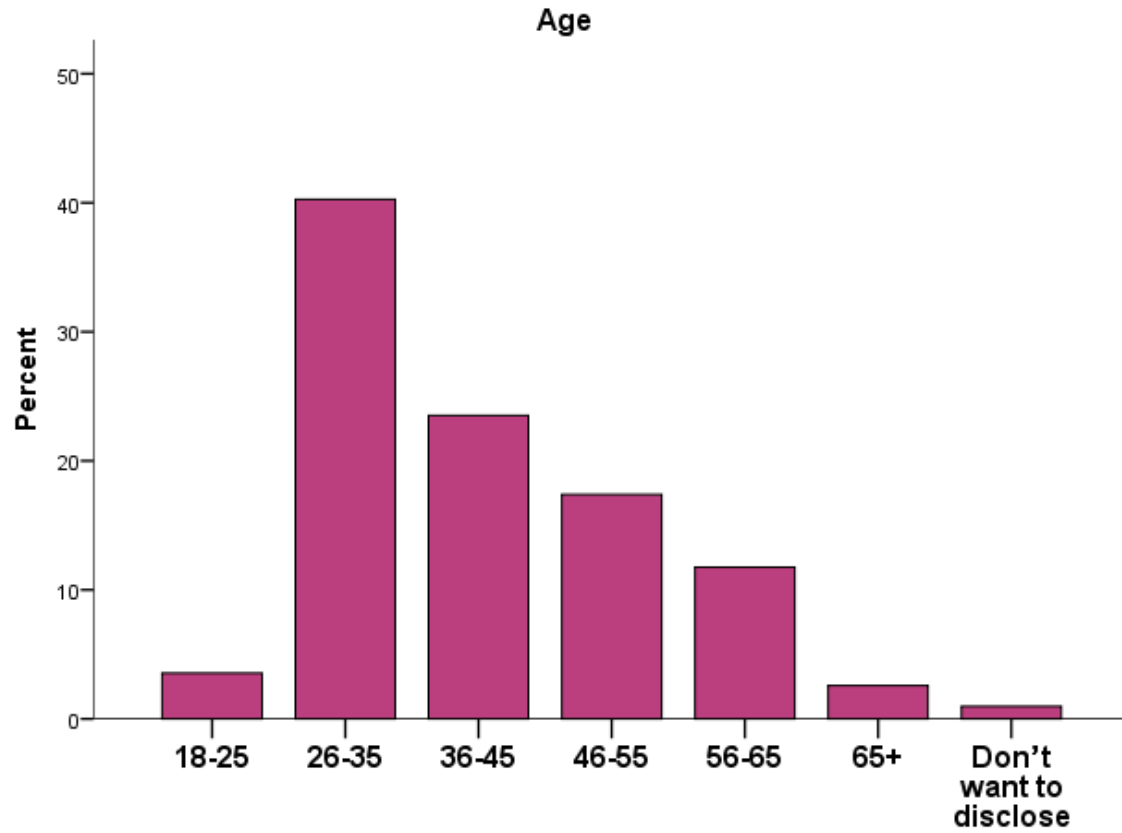
Data collection

- Part of an international collaboration project on Data Literacy and Research Data Management. The survey instrument, consisting 24 questions, was created by researchers from England, Turkey and France.
- LimeSurvey online platform used for data collection.
- The survey (in English, Finnish and Swedish) was distributed by utilising the higher education institutions' and research organisations' personnel involved in the development of the national DMP tool (Tuuli-project 2016).

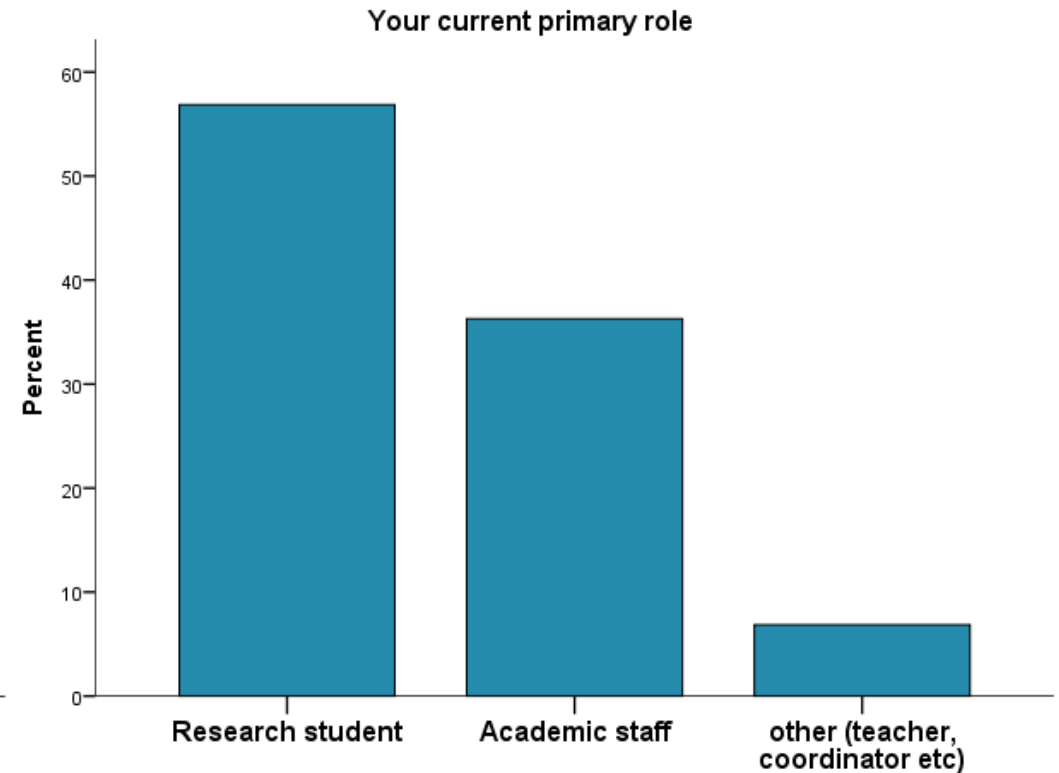
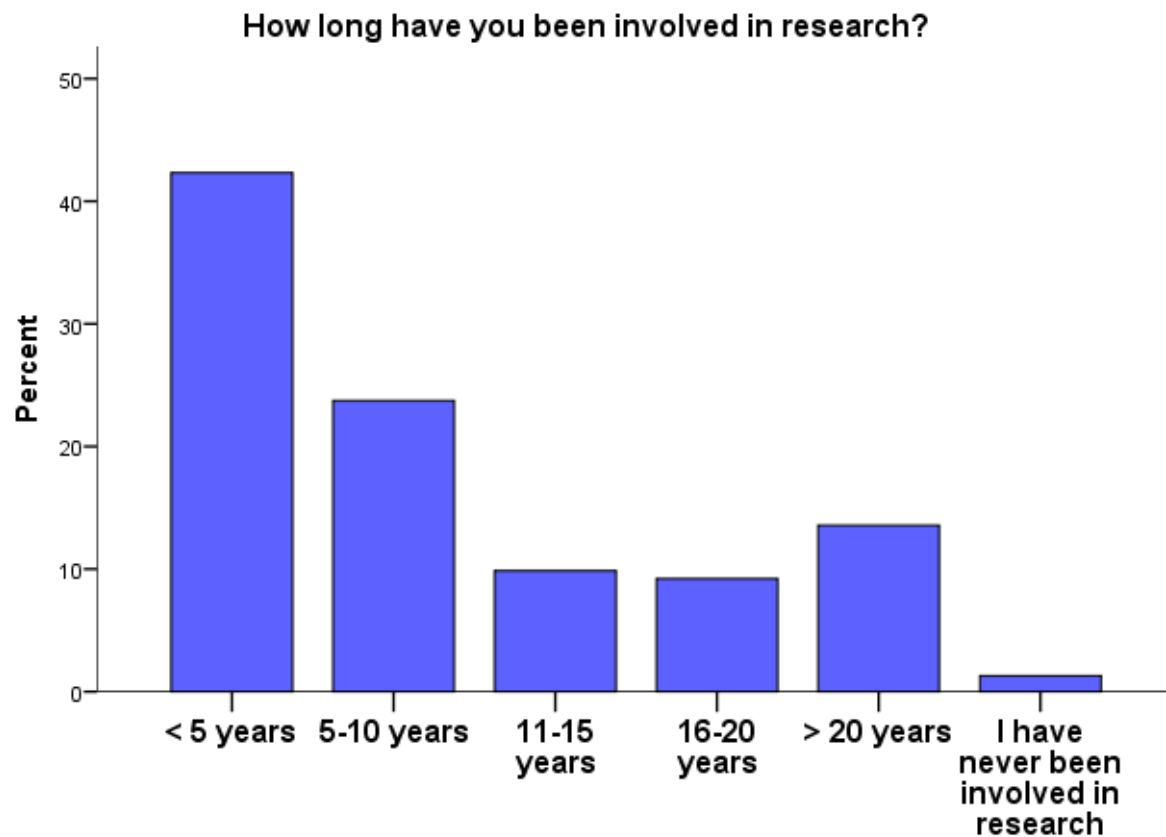
Data collection and analysis

- The data were collected in June and July 2017.
- The statistical analysis was conducted by using IBM SPSS Statistics.
- From the respondents 612 had answered at least to one question & 469 answered all of the questions.

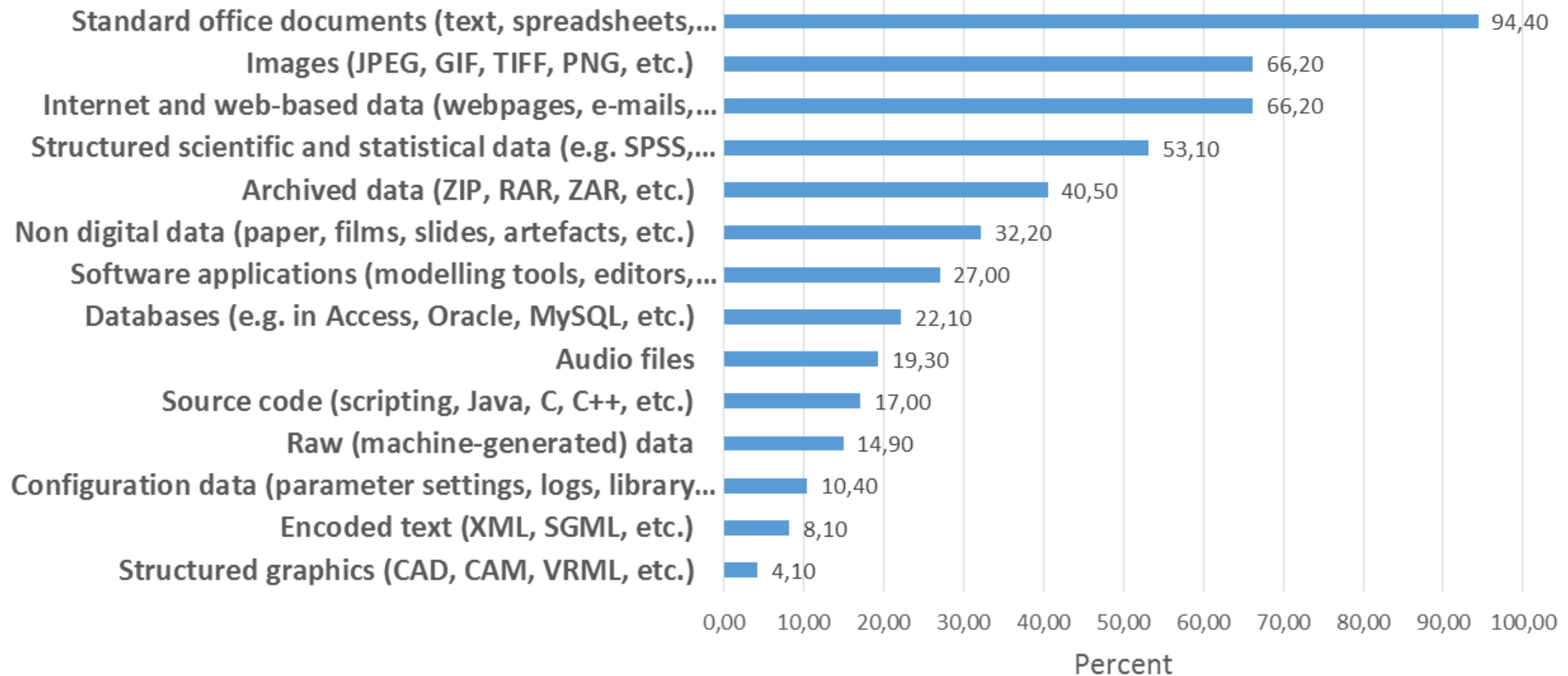
Age and gender



Research experience and current role

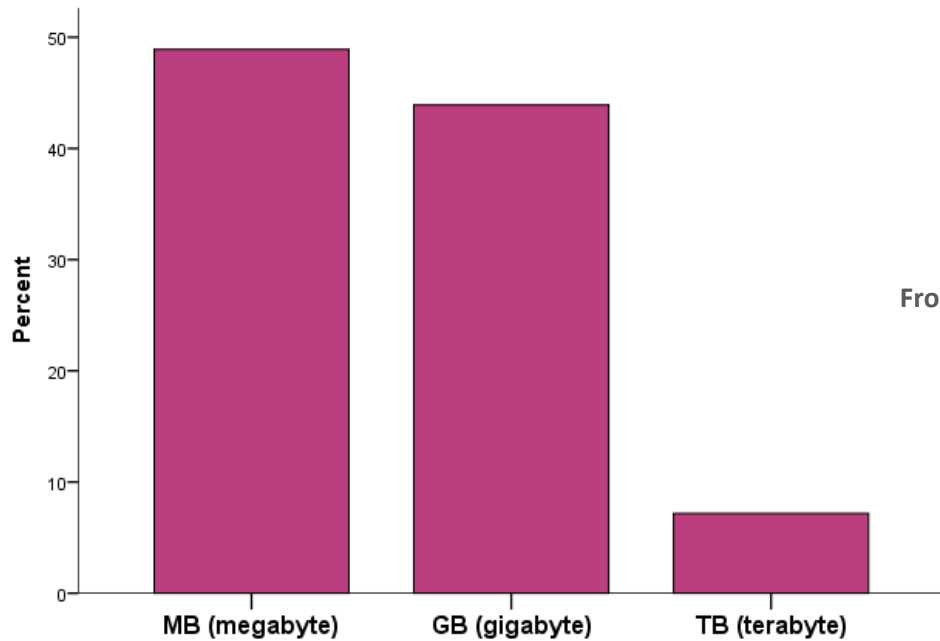


File type of data normally used for research

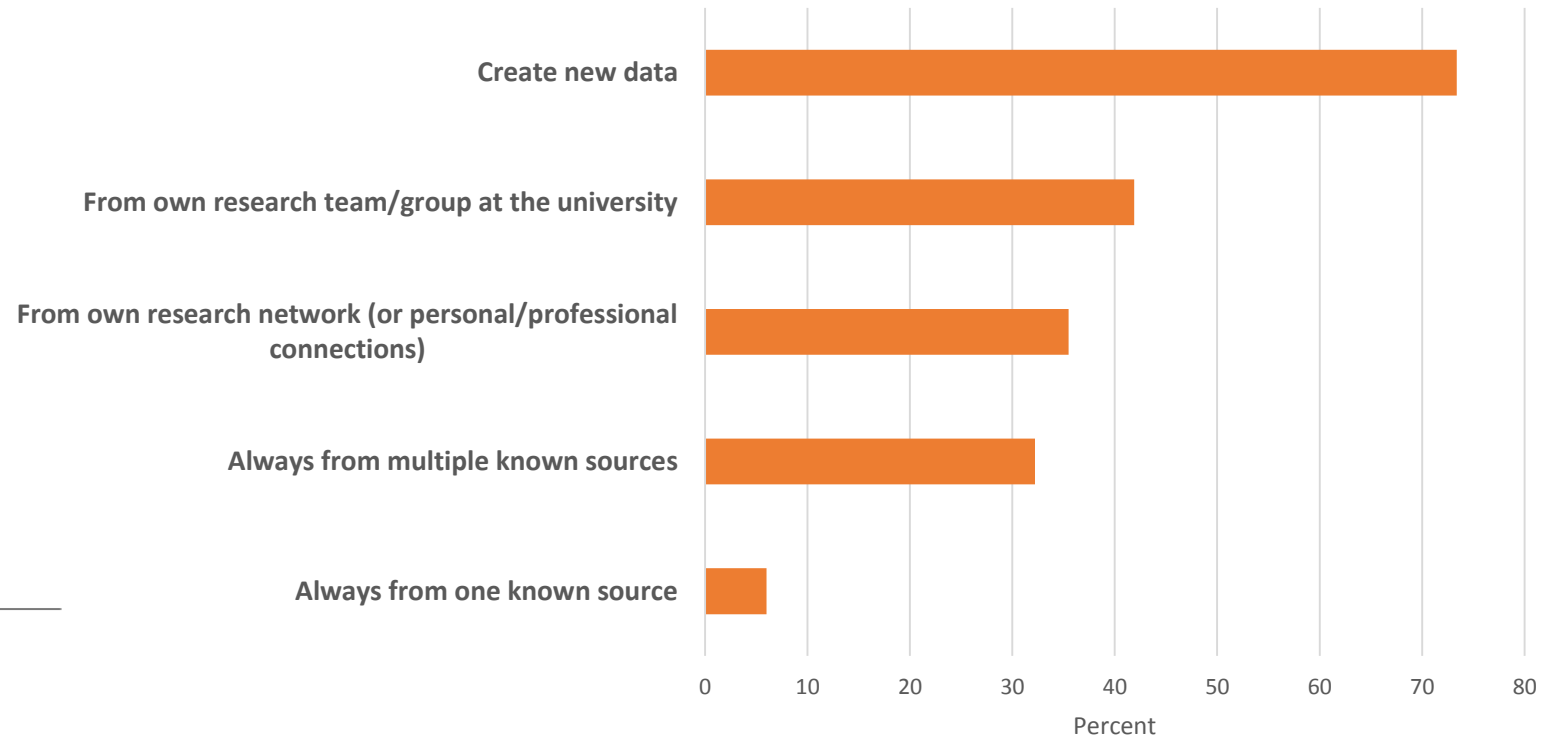


Volume and origin of data

The volume of data used for research

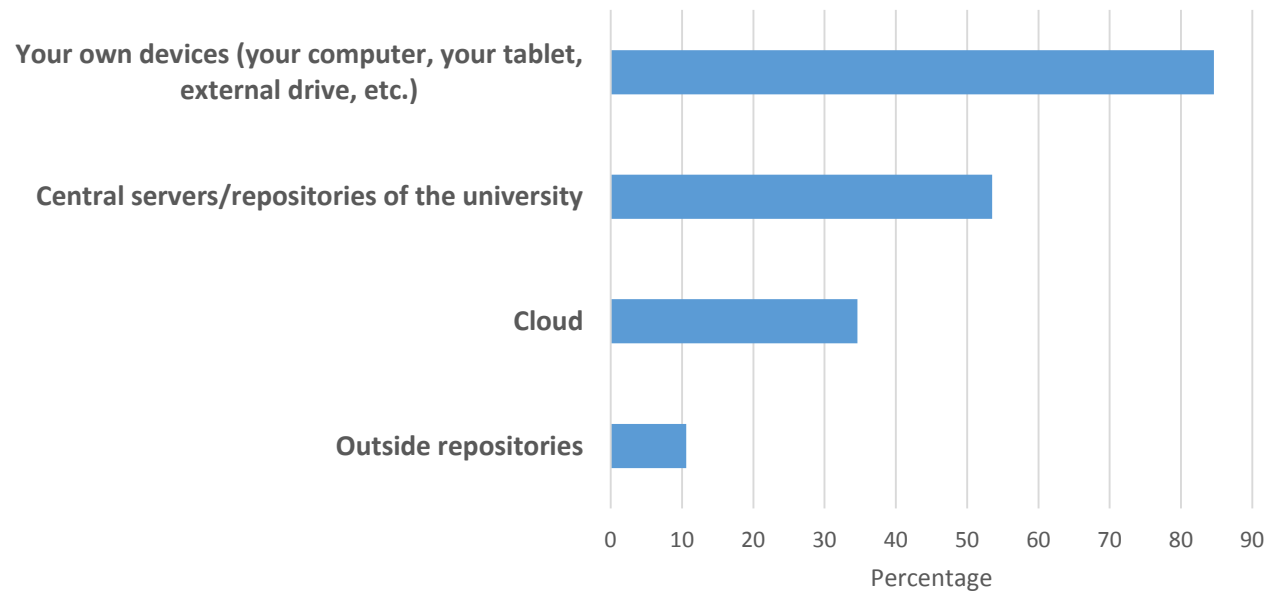


How you usually get the data for research?

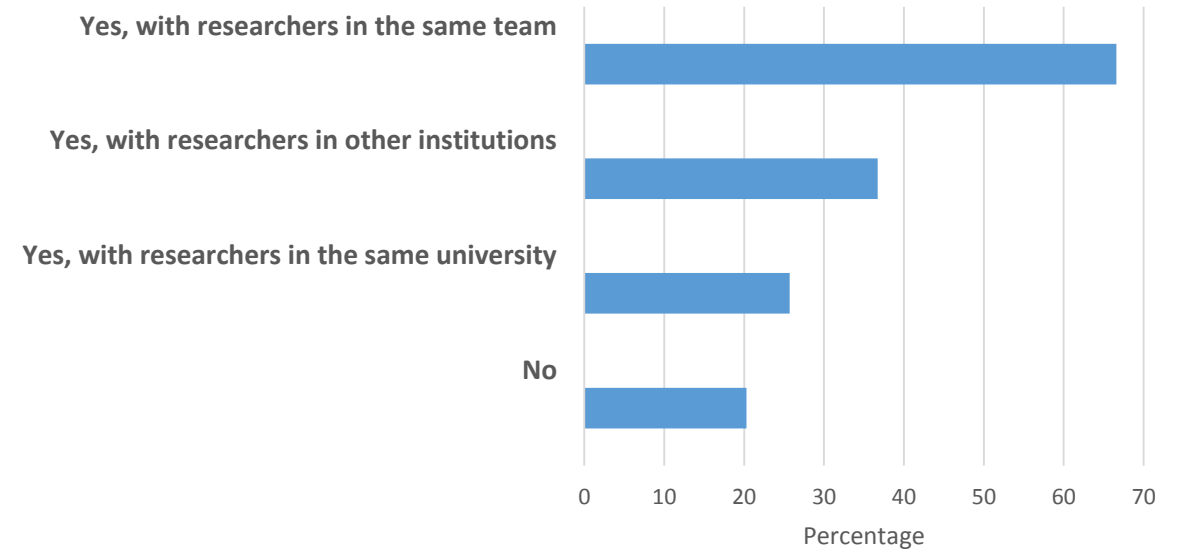


Storing and sharing of data

Where do you usually store the data you produce from your research?

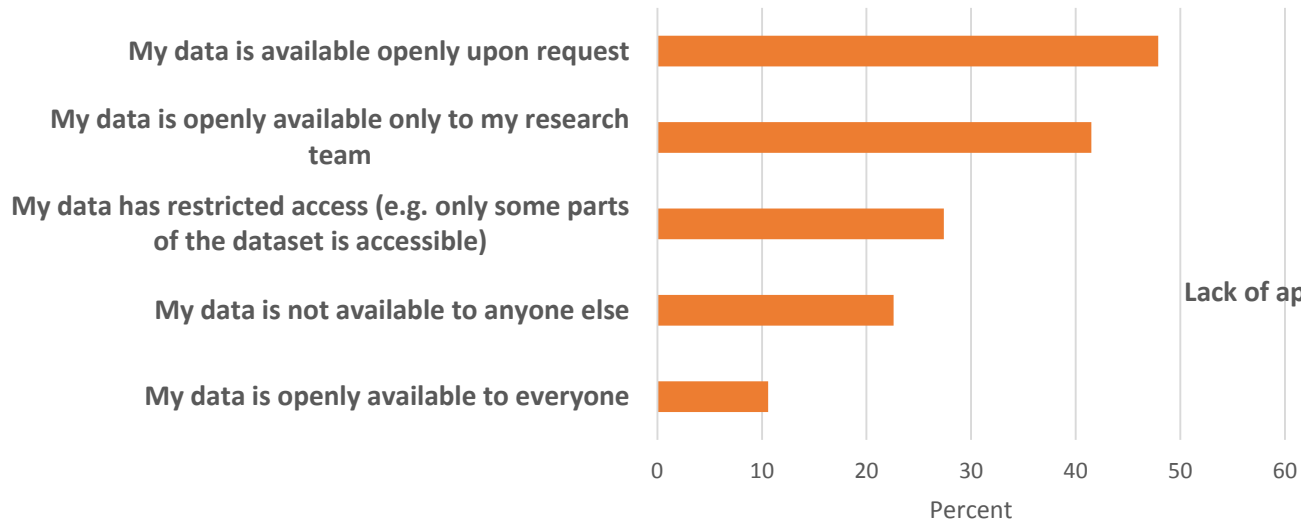


Do you collaborate with other researchers and share data?



Openness of data and concerns relating sharing

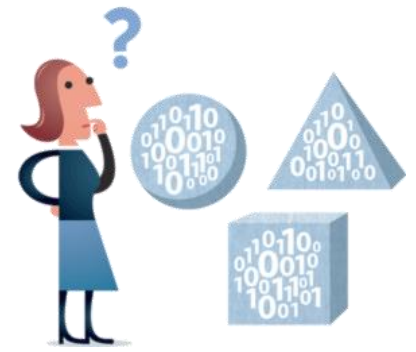
Which of the following applies to your research data?



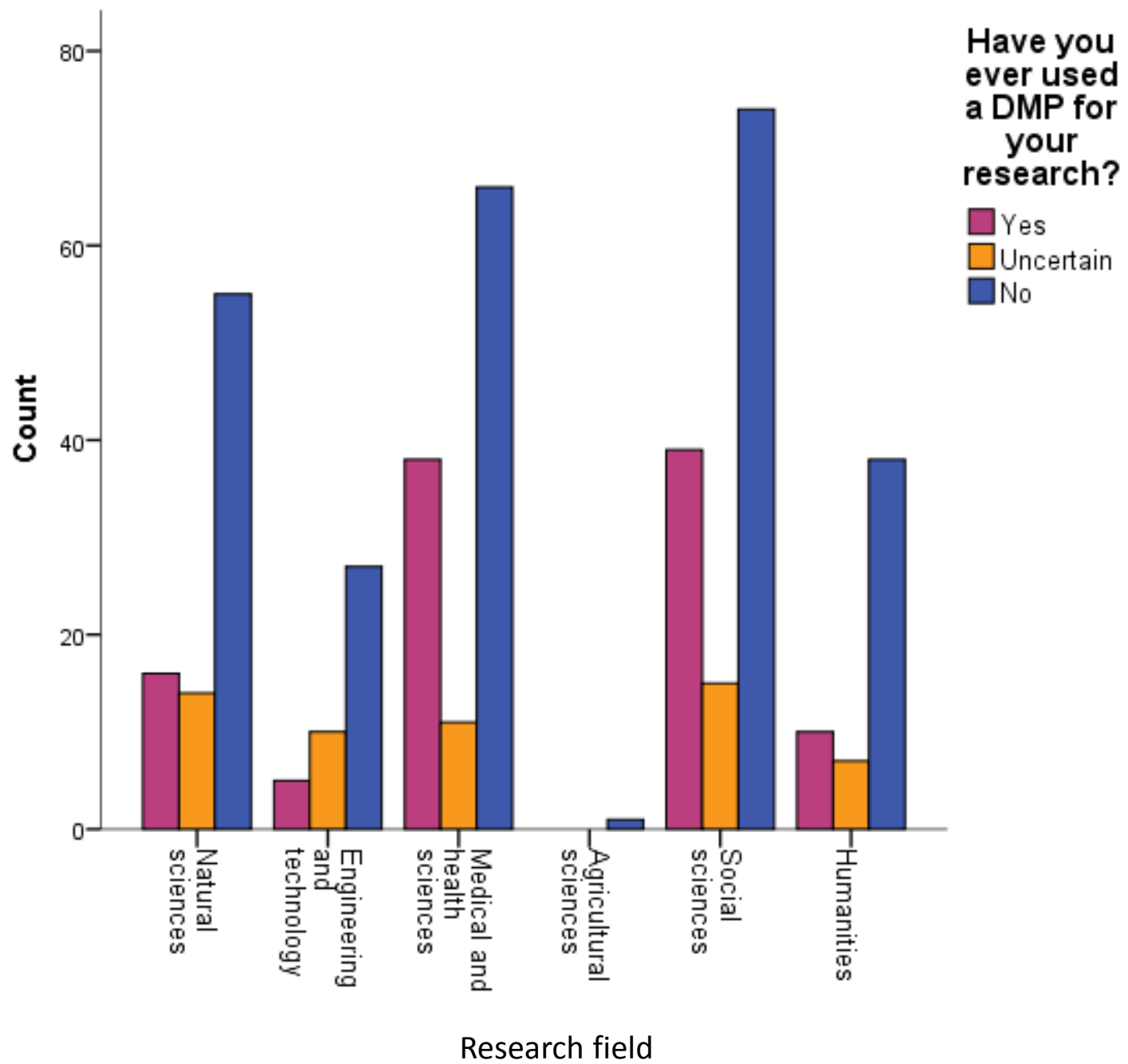
Do you have any concerns for sharing data with others?



Data Management Plan (DMP)



- Only about fifth (22.1%) responded that their institution has a DMP – 65.5% were uncertain.
- 24.0% had ever used DMP for their research.
- 22.9% had a DMP for their current research project.
- 73.6% agreed that every university should have a DMP.
- 32.4% think that DMP actually helps researchers in managing their research data – 58.3% were uncertain.
- Only few (8.1%) had had formal training on DMP.



Discussion

- In general, many informants are uncertain of the issues related to open research data management.
- Although numerous foundations already recommend openness of research conventions, not all informants are aware of this.
- The results could be beneficial for universities and other research organizations in promoting research data management and open data initiatives.
- Open science movement is gaining increasing support in Finland!



Thank you!
Any questions?

Contact us:

Heidi.enwald@oulu.fi

Terttu.kortelainen@oulu.fi

Open science and research:

<http://openscience.fi/>

Tuuli-project:

<https://wiki.helsinki.fi/display/Tuuli/DMPTuuli-project>

NordForsk policy paper (2016):

https://www.nordforsk.org/en/publications/publications_container/open-access-to-research-data-2013-status-issues-and-outlook