

Adéla Jarolímková, Barbora Drobíková, Martin Souček

# Attitudes of Charles University academic staff to data sharing

ÚSTAV INFORMAČNÍCH  
STUDIÍ A KNIHOVNICTVÍ



FILOZOFICKÁ FAKULTA  
UNIVERZITY KARLOVY  
V PRAZE

# Data literacy and research data management survey

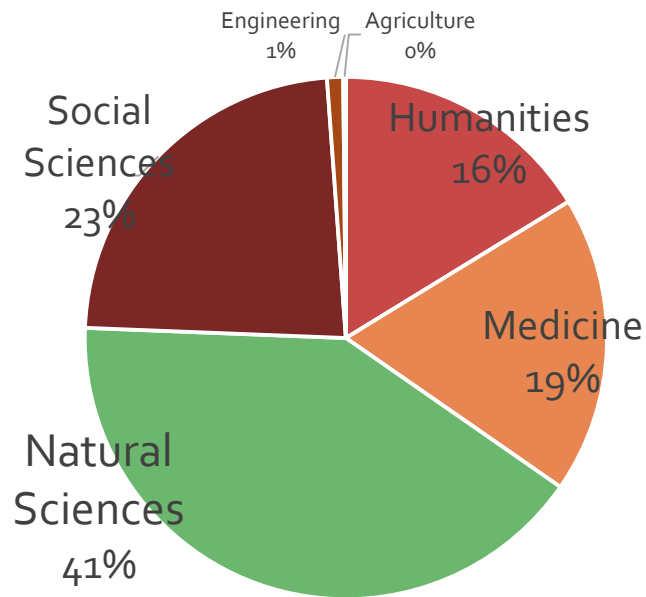
- Multinational comparative study
- More than 30 countries (September 2017)
- Data = any information stored not only in digital form, including text, numbers, pictures, videos or films, audio, SW, algorithms, equations, animations, models, simulations etc.

# Questionnaire

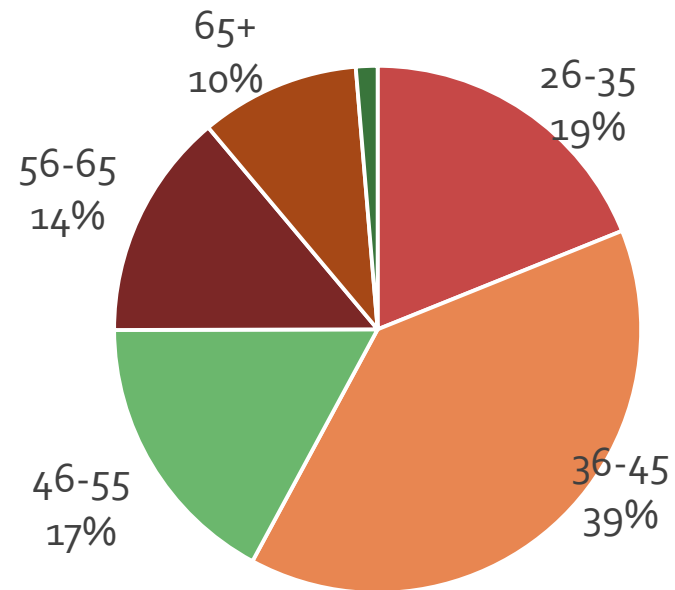
- Czech version accessible online, sent by email to all CUNI academics and PhD students (>10 000)
- Data creation and usage – types of data, volume of data, ways of data archiving
- Attitudes to data sharing and data sharing practices
- Data management awareness (metadata, identifiers etc.)
- Research data management training

# Results

- 2381 responses, 1434 complete
- Academic staff – 603, PhD students – 831



Respondents' subject

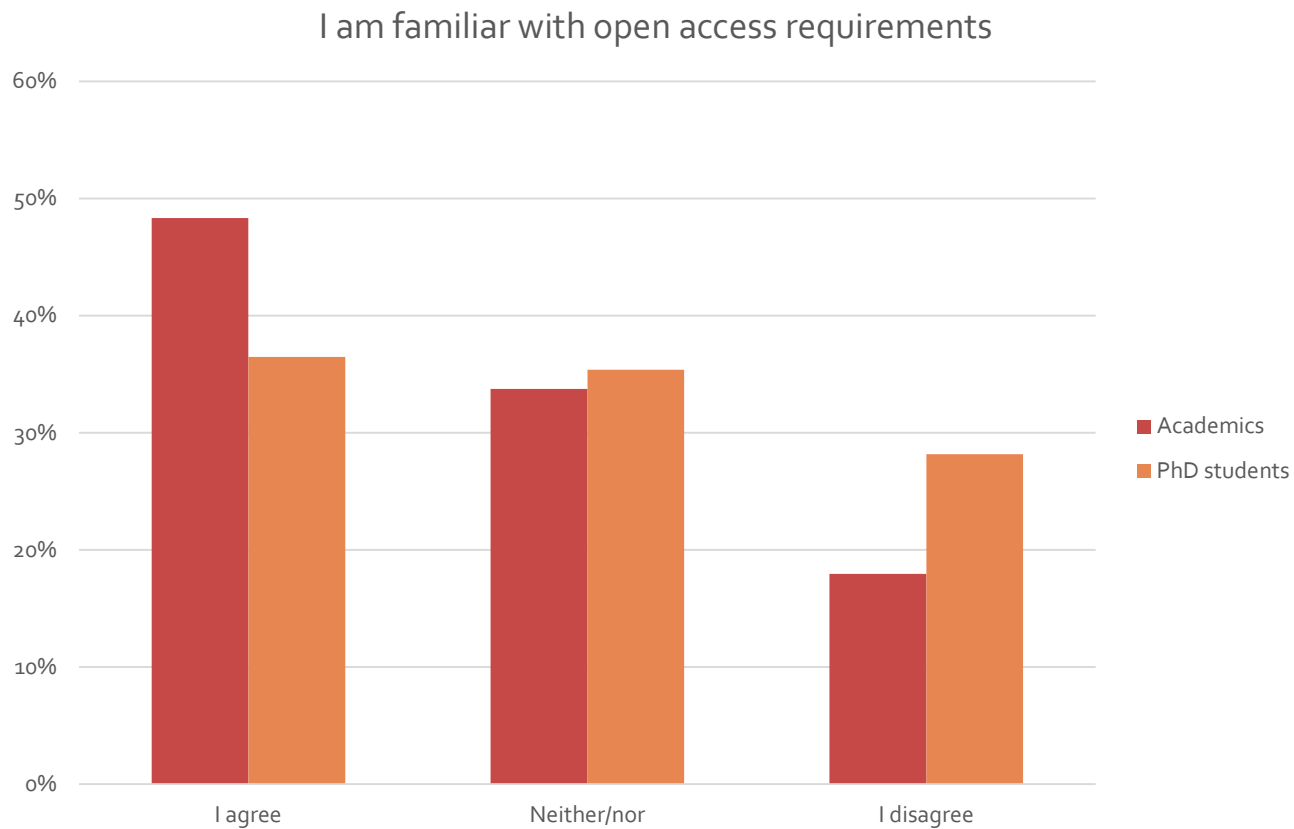


Respondents' age

# Selected questions

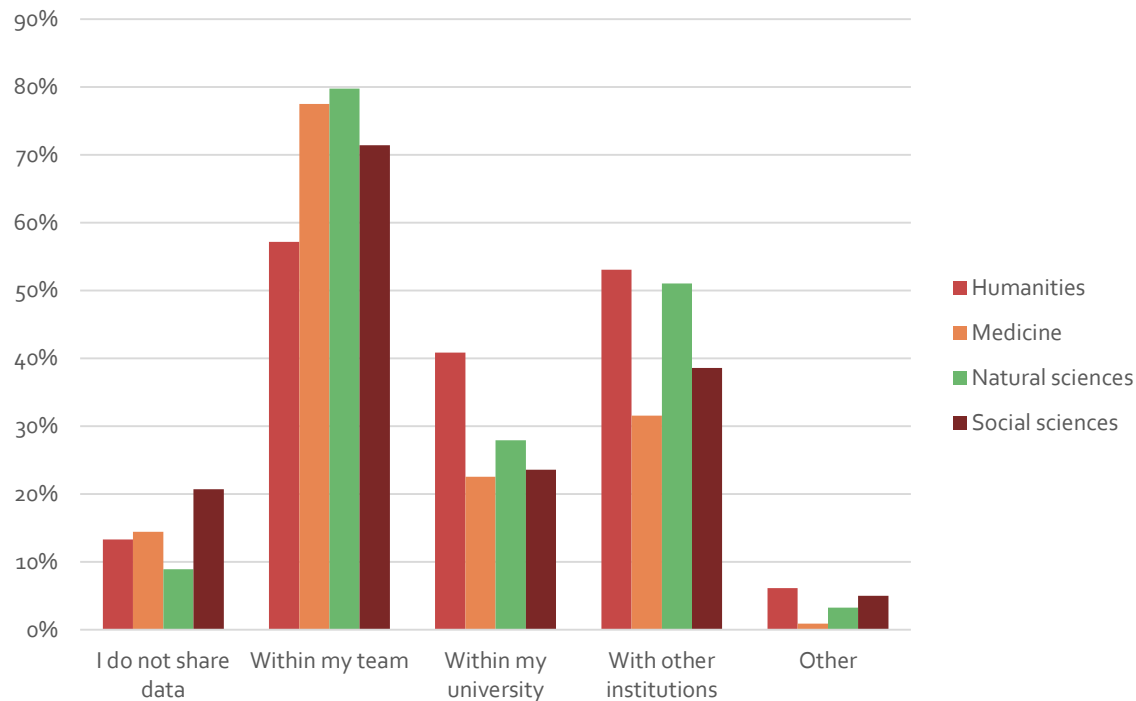
- Open access requirements awareness
- Attitudes to data sharing
- Data sharing practices
- Concerns connected with data sharing

# OA requirements awareness



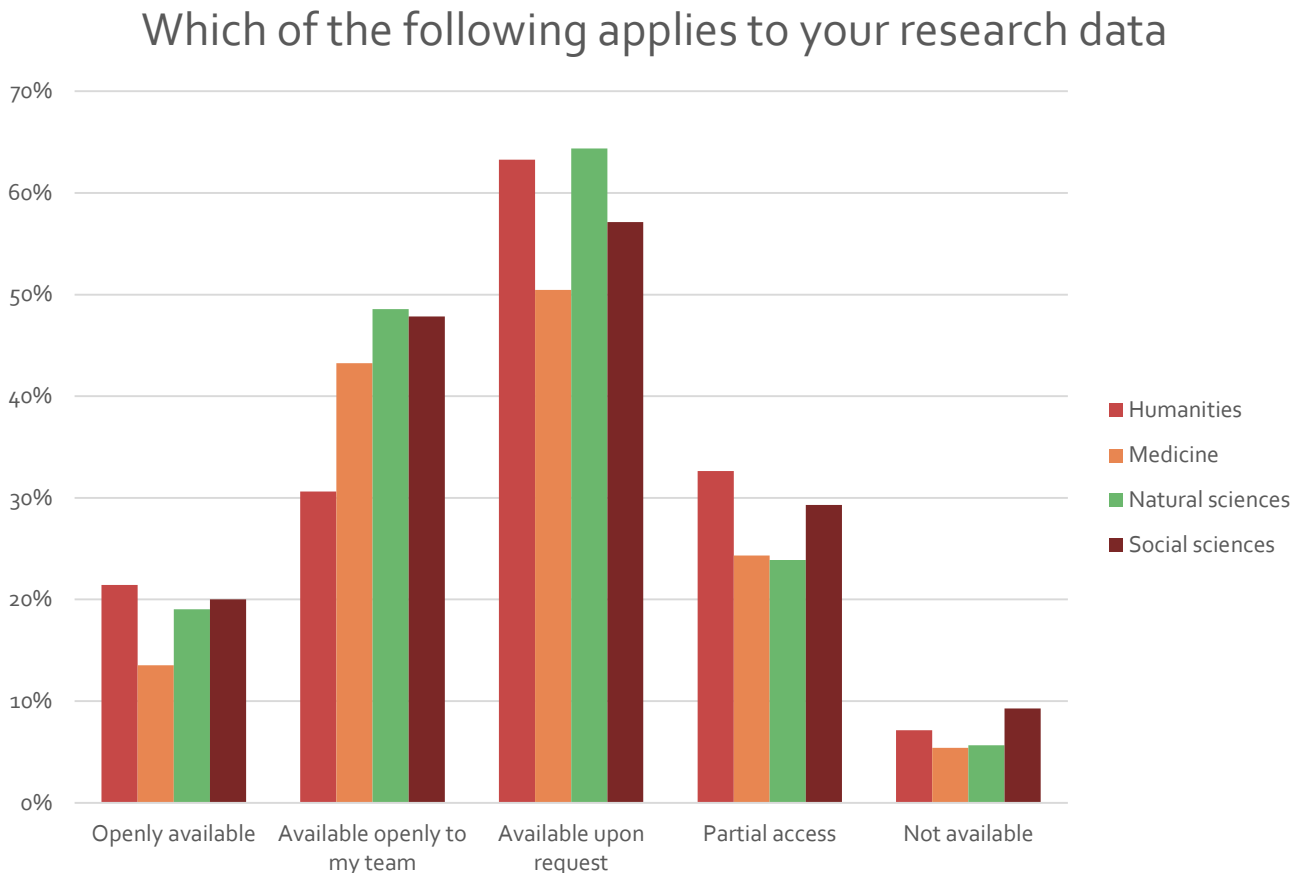
# Data sharing practices

Do you collaborate with other researchers and share data?



- 13% do not share data
- Academics share more often than PhD students ( $p < 0,001$ )
- Interdisciplinary differences ( $p = 0,012$ )
- Younger share more often than older academics ( $p = 0,03$ )

# Data sharing practices

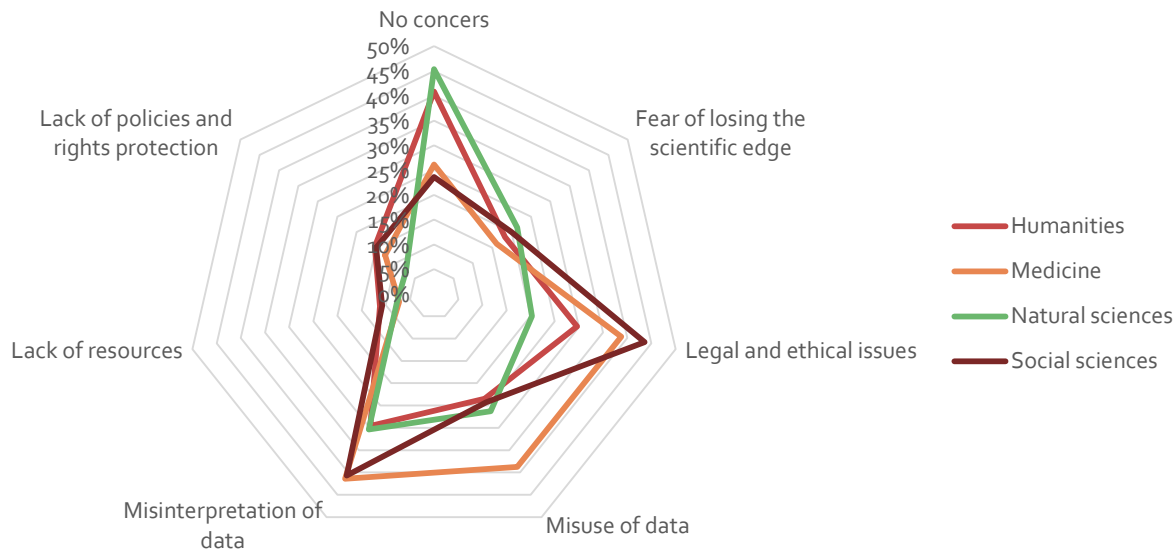


- **Sharing does not mean open access**
- Data are shared upon request
- Open access to data is provided more often by those, who are familiar with OA principles ( $p=0,002$ )
- Open access to data is more often provided by academics than by PhD students ( $p<0,001$ )



# Concerns for data sharing

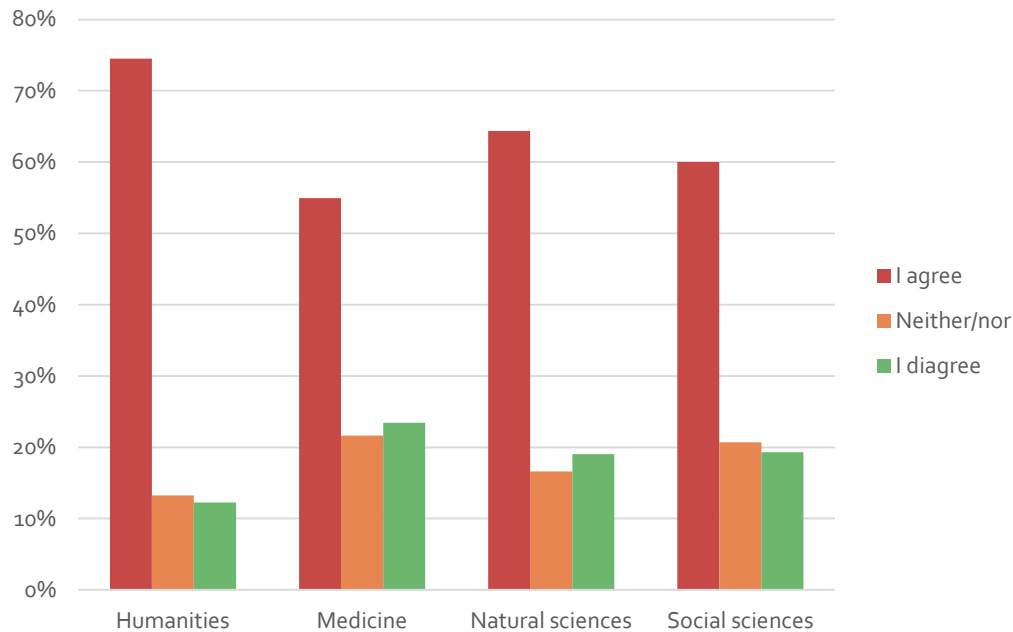
Do you have any concerns for sharing data with others?



- Interdisciplinary differences
- Respondents from medicine and social sciences have more concerns for legal end ethical issues ( $p < 0,001$ )
- **Fears of misuse and legal and ethical problems influence the willingness to share data**

# Willingness to share data

I am comfortable and willing to share my research data with others



- Slight interdisciplinary differences

# Discussion

- Academics are willing to share data, but they do not share them openly
  - They are not familiar with OA principles
  - Respondents did not have any data management training (only 12,2% had some kind of training, mostly in data citation styles)
  - CUNI does not have a simple solution for open data archiving
- Interdisciplinary differences
- Concerns about bureaucracy

# Conclusion

- CUNI academics and researchers are willing to share their data
- They perceive certain risks connected to data sharing
- Data sharing infrastructure matching specifics of individual disciplines is needed
- More in-depth research is needed

# Thank you

[adela.jarolimkova@ff.cuni.cz](mailto:adela.jarolimkova@ff.cuni.cz), [barbora.drobikova@ff.cuni.cz](mailto:barbora.drobikova@ff.cuni.cz),  
[martin.soucek@ff.cuni.cz](mailto:martin.soucek@ff.cuni.cz)

Data available at:

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Data literacy and research data management survey [Data  
set]. Zenodo. <http://doi.org/10.5281/zenodo.997844>