Research data in Czech Republic

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Growth and Value of Research data

- The growth of data is exponential
- The research is changing with it
- The ability to handle data properly is a MUST
- Research community needs awareness, incentives, knowledge, skills and tools





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National Survey of Research Data Management in the Czech Republic 2025

Conducted Institute of Sociology, Czech Academy of Sciences.

3800 PI's of Czech research projects were contacted.

We received over 1100 answers (ca 30 % response rate).



Before we start, by show of hands, who here in this room has ever...

... lost any data FOREVER due to the technical malfunction?

... lost any data in a true sense – you just don't know where they are.

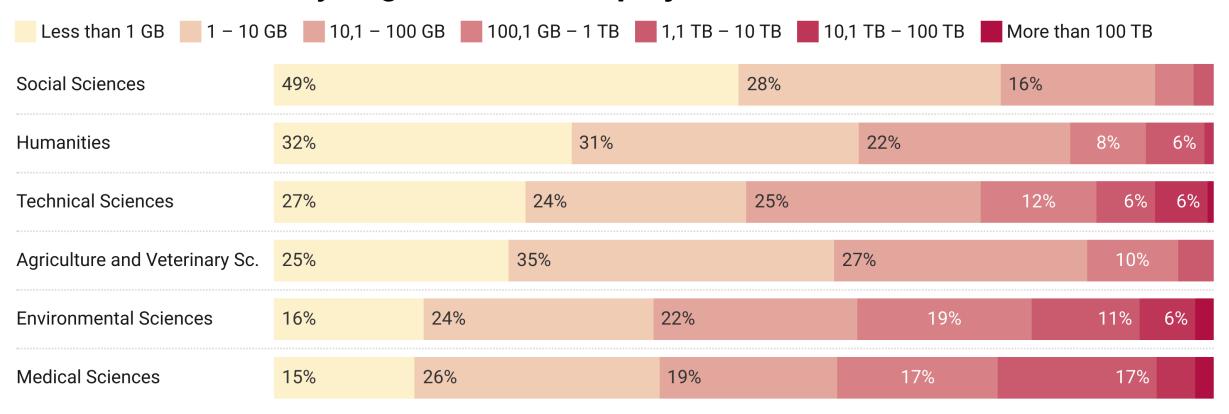
... used any data from other scientists?



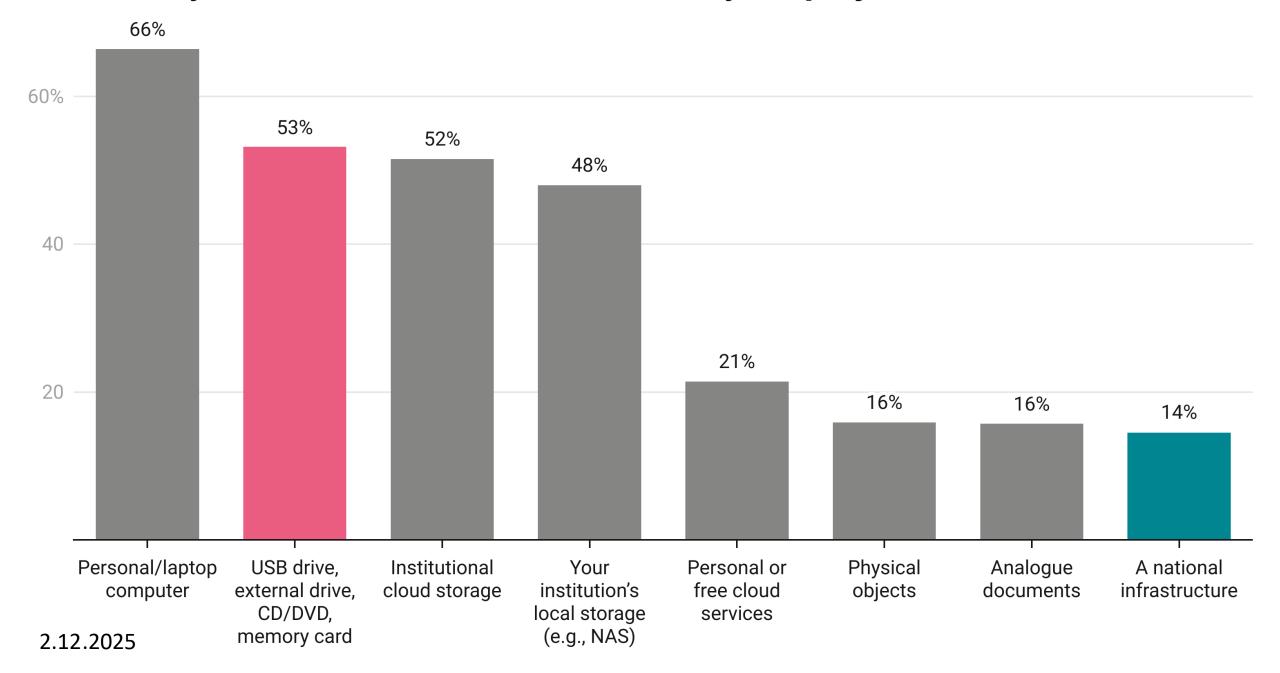
Storing the Data



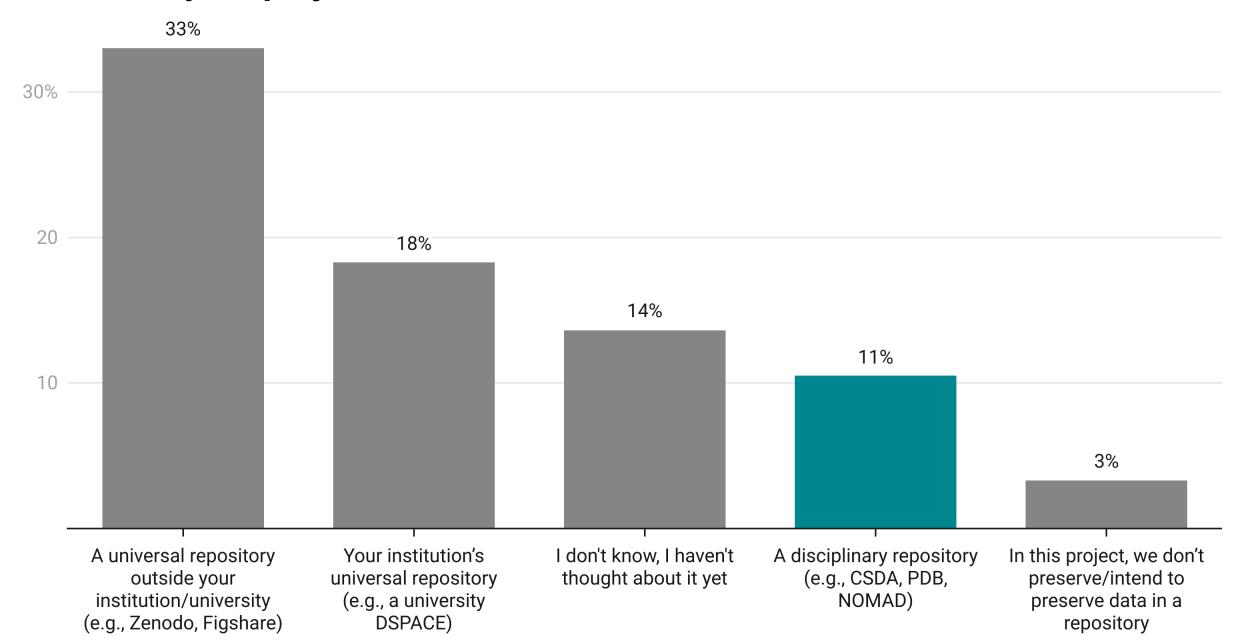
How much data did you generate in the project?



Where do you store the research data from your project?

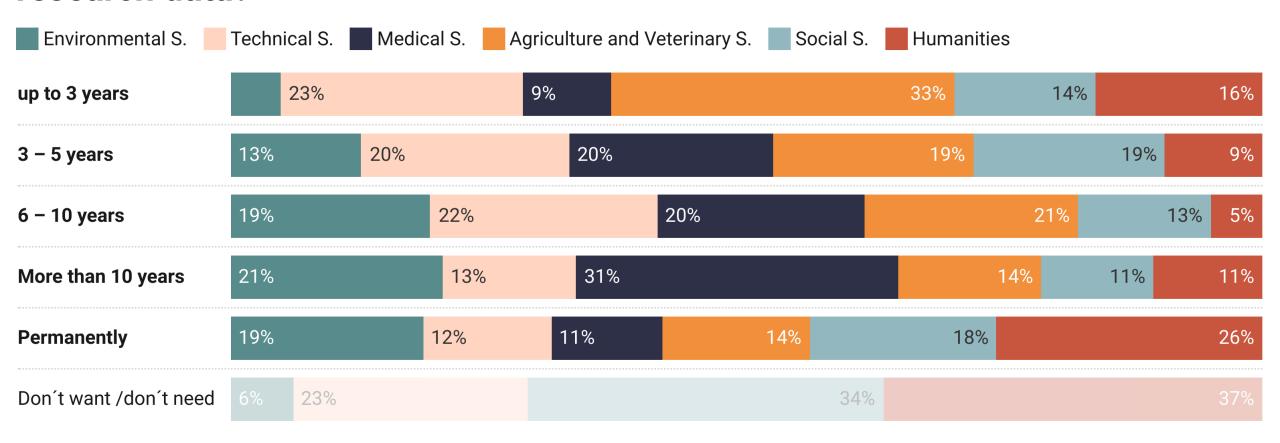


In what kind of repositories do you preserve/intend to preserve the research data from your project?





For how long after the project's conclusion do you intend to preserve your research data?

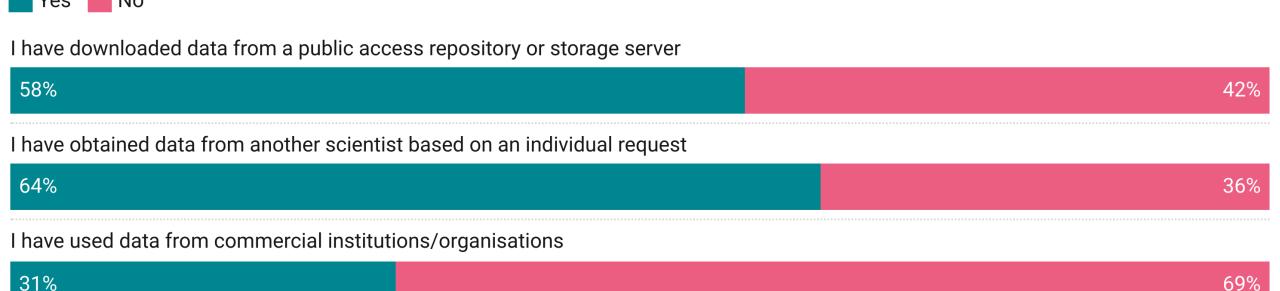




Sharing the Data

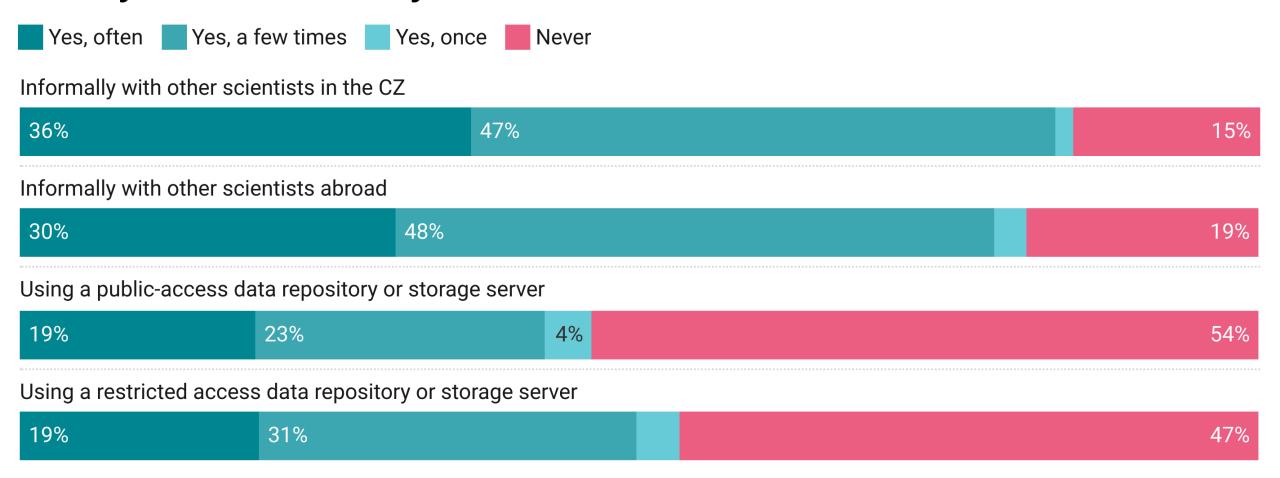


Have you ever used research data from others scientists or institutions?



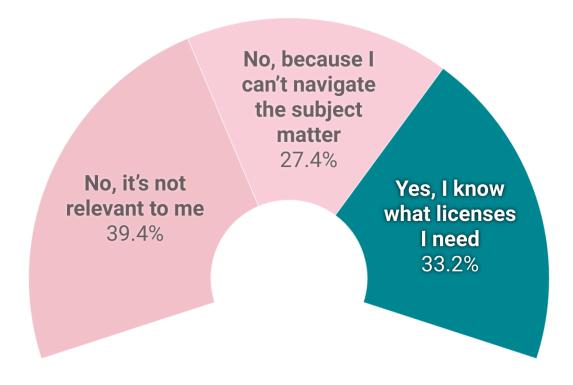
Half of the participants re-use data from other scientists.

Have you ever shared your research data?



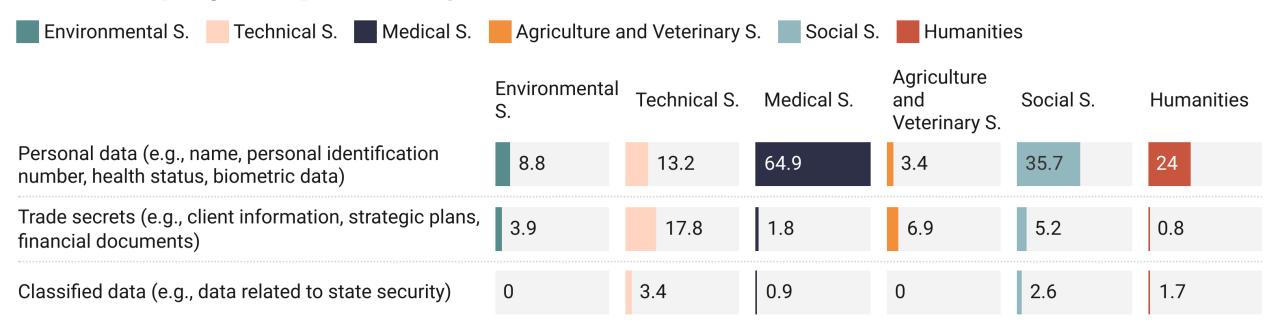
Researchers share their data, when they have a full control over how and whom with.

Do you implement licensing for your research data?





Share of projects producing sensitive data



Kind reminder: "FAIR data" does not mean "OPEN data".



The Future Outlook



Assignment of the Metadata

- 59% of respondents assign metadata to their research data
 - 36.3% rely on a README file
 - 23.2% use automatically generated metadata from instruments or electronic lab notebooks
 - 7.2% use standardized metadata schemas

- 41% of respondents do not use metadata
 - 28.8% It's not important for the project
 - 10.7% don't have sufficient capacity (human or financial)
 - 6.2% don't know how to do it
 - 2.4% lack of technical equipment





Why is Data Management Plan used?

Out of 1100 answers, 607 claimed they use DMPs.

Out of those:

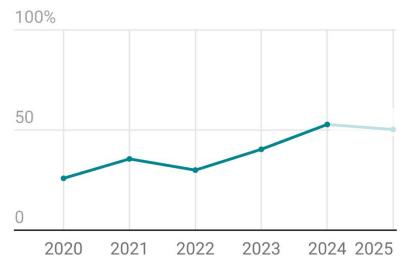
 257 respondents do it just to fulfil the rules and obligations by the grant agencies.



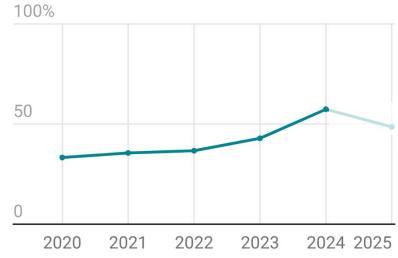
- 350 respondents claim practical reasons, including:
 - 180 to set data management practice in the project
 - 152 to adhere to the FAIR principles
 - 119 to communicate about data-related issues within the team
 - 79 to manage opportunities and restrictions with respect to the project's data
 - 31 to manage project's risks

Obligation to retain research data in relation to the project's start year

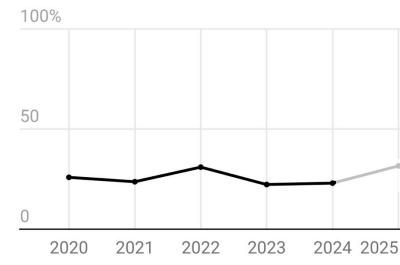
Yes, it's part of our data management plan



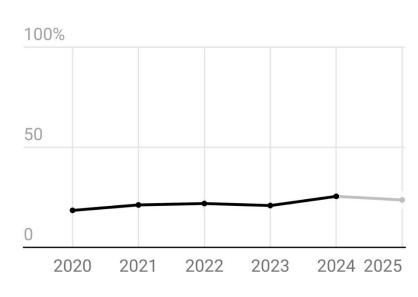
Yes, it's a funder's stipulation



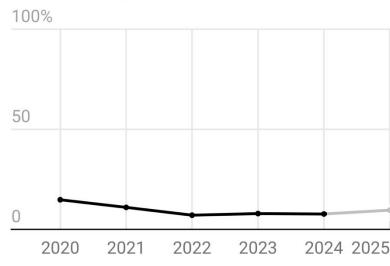
Yes, it's stipulated by the home institution/organization



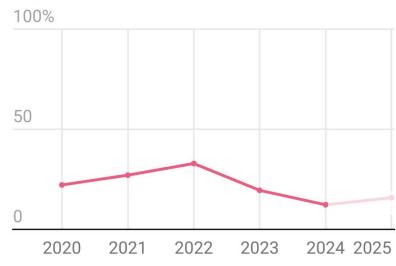
Yes, it's a publisher/journal's stipulation



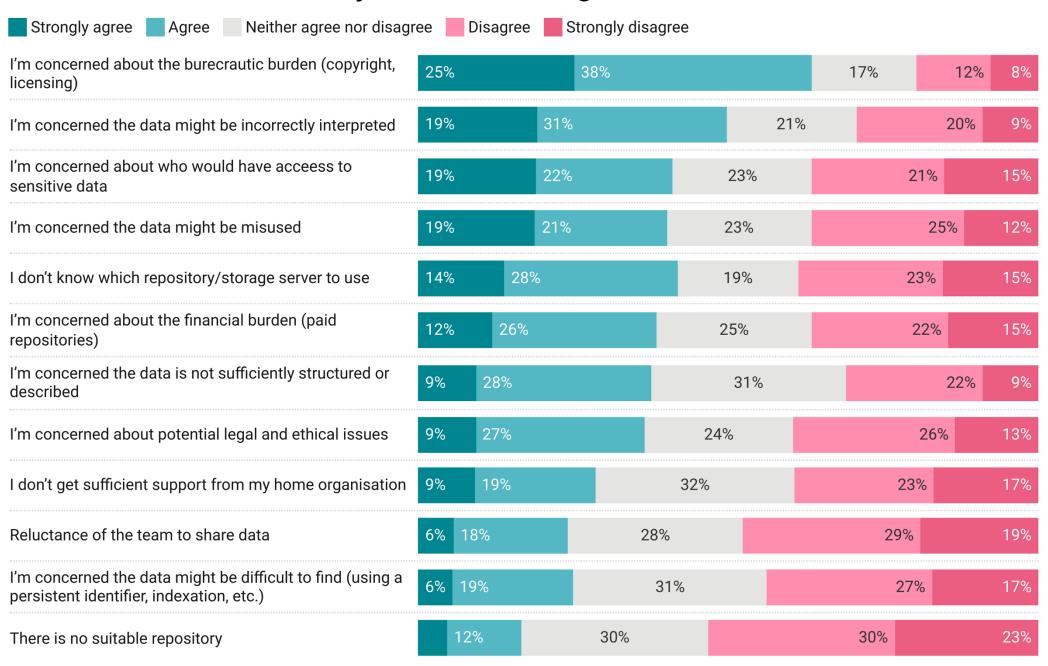
Yes, based on collaboration with our international partners



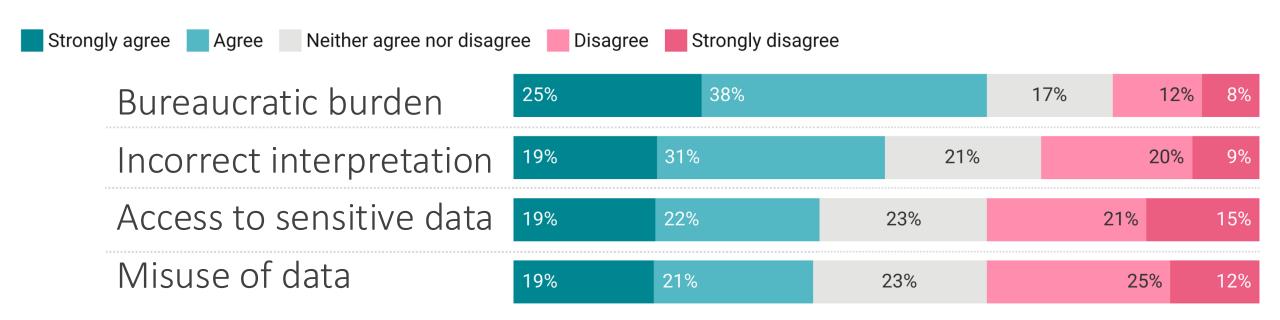
No, we haven't encountered such a requirement



What kind of obstacles do you see in sharing the data?



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Research data in Czech republic – way forward

We, the scientific community, need to:

- increase the awareness
- develop and actively use new tools for data management
- adhere to everchanging incentives and seize the opportunity
- advance our data related skills

Tools for data management

Data storage

National Data Repository 🕝

A service for the storage, access and data

Alay in the second of the seco

Data searching

across disciplines.

National Directory 🕝

Data management planning

Wizard (NRP) ♂

An open-source tool in its accordance with the FAIR

Analyzing data and performing calculations

and compliant





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Stories OCK #27

- We will hear the stories of resident
- RIV recognizes new output "type T" digital
- Data planning is required by the funders anyone who is must manage data responsibly
- It's not about if or when anymore, but about how we approach the managed data responsibly today

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our research

2.12.2025

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Advancing data skills

Young Researchers
training tomorrow ring center on itself served over 4.000 ops and one summer se Advancing Data Skills at the un

Conference Sessions (today)

Tools for Data Management 10:30–12:00

Stories of Data (Re-)Use 13:00-14:30

Advancing Data Skills 15:00–16:30

Poster Session

17:00-17:45

Workshops and Training (tomorrow)

Repo Builders

parallel sessions

Young Researchers