

Open Science at Charles University

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13 May 2024



Citations and everlasting fame!



More citations!



Citations and everlasting fame!



[Piwowar et al. \(2007\)](#)

[Drachen et al. \(2016\)](#)

[Colavizza et al. \(2020\)](#)



Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

Research funders' policies



**OPEN SCIENCE:
JUST
SCIENCE
DONE RIGHT**

Open Science

- Making research results **available** (publications, data...)
- Making research results **reusable**
- **Transparent** and reproducible research
- Effective use of **resources**
- New collaborations



Relevant across research fields

Open Science



Open Access to publications

Green OA

- Open access enabled by the author
- Depositing the publication in a repository
- Free of charge
- Mind the conditions of the publisher

Research publications
repository



Gold OA

- Open access enabled by the publisher
- Publishing in open access journals
- Might be associated with additional costs (APC)

APC discounts
and tokens



Research publications repository

- Self-archiving of publications created at CUNI
 - Research output types: Journal article, chapter, book...
 - Versions: published version, postprint, preprint,
- Variants of availability
 - Open access
 - Open access with embargo
 - Restricted access (employees only)
- Self-archiving through [IS Věda – OBD](#)



Discounts & tokens for covering APCs

- **APC** = article processing charge
- Discounts
- Unlimited tokens
- Limited number of tokens
 - Rules for allocation



Beware the predator, my son

- Mind where you publish!
- How to spot a predator?
 - Ask your local librarian
 - Ask your colleagues
 - Is it a journal you regularly read?

Predators



Research data: What are data?

= *information that has been collected, observed, generated, or created to validate or reproduce your research findings*

- Research data can take various forms
 - Spreadsheets, documents
 - Images, audio & video recordings
 - Software, script
 - Lab notebooks, field notes
 - Samples, artefacts



Research data management

- During the whole research process
- Reduces the risk of article retraction due to mixing up or mislabelling the data
- If there is a problem with your results, you will be in a good position to defend yourself
- Research funders' requirements
 - FAIR data
 - Data management plans



How can we help?

- RDM basics
- What are FAIR data
- How to create a DMP
- How to share data

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ABOUT ◦ OPEN CU ◦ OPEN ACCESS **RESEARCH DATA** SUPPORT ◦ FAQ ◦ CONTACT

Home > Research Data

- Managing Research Data
- Data Management Plan (DMP)
- Data Collection and Organization
- Data Security
- Open Research Data, FAIR Data
- Legal and Ethical Issues
- Depositing Data
- Repositories and Data Journals
- Research Funders' Policies

Research Data

What are research data

Research data can be characterised as any information that has been collected, observed, generated, or created to validate or reproduce your research findings. Research data can take various forms and may be digital as well as non-digital. Some examples of research data may include:

- Spreadsheets, documents
- Audio and video recordings
- Images, photographs
- Questionnaires, test responses, interview transcripts
- Code, software
- Laboratory notebooks, field notebooks, diaries
- Samples, specimens, artefacts

Research Data Management (RDM)

Research data management refers to the activity of organising, storing and preserving the data generated during the research project. Even though managing data effectively may be challenging, there are many benefits in it not only for you but for the wider community, as well. Here is a list of some examples:

- Demonstration of research integrity, enhancing your reputation of an honest and careful researcher, subsequently leading to greater impact
- Helps your research to be robust and replicable
- Helps you anticipate potential issues that may occur during the research process
- Makes writing and revising papers easier
- Helps you (and others) to find your data
- Reduces the risk of article retraction due to mixing up or mislabelling the data

Research data policy meetings

Aim: Specify the **basic principles** of research data management and delineate the **responsibilities** of the University and its researchers

- Basic principles
 - Collection, preservation and sharing
- Responsibilities
 - Researcher: Follows the basic principles
 - University: Infrastructure and support
- Available support

Data policy

Meetings



Politika správy výzkumných dat **na UK**

květen–červen 2024

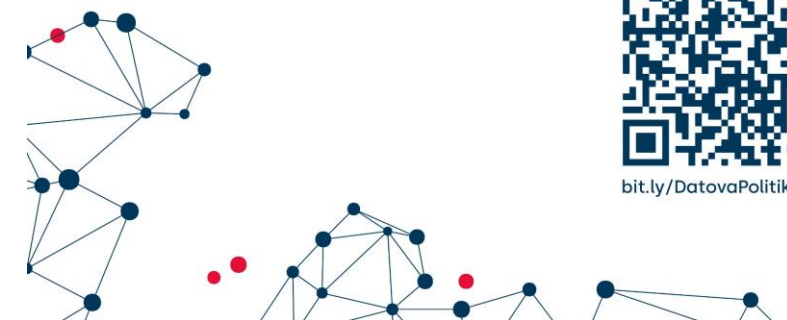
přednáškový cyklus po jednotlivých fakultách Univerzity Karlovy

Mgr. Dagmar Hanzlíková

Centrum pro podporu open science UK



bit.ly/DatovaPolitikaSetkani



Further support

- [Website](#)
- Consultations
 - Making publications available (APC, repository)
 - Data management
 - Legal support (licensing, IPR)
- Tailored training
- Online courses
- [Mailing list](#)

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Open Access at CU – How to publish Open Access?
Dashboard / My courses / OAnaUKEn

Introduction
Welcome to the course Open Access at CU - How to publish Open Access?

By completing this course, you will gain **insight into the issue** of open publishing and basic information about the possibilities that the publishing model of open access offers you. You will be introduced to **useful tools and platforms** and you will find out who to turn to regarding open access at Charles University.

At the end of this course, you will know how to answer the following questions:

- What is open access?
- What does it mean to "publish open access"?
- What are the benefits of open access publishing?
- What is the difference between the green and the gold route to open access?
- What specific steps does an author need to take to publish in open access?
- What are the typical features of so-called predatory journals and publishers and how to avoid them?
- What does Charles University offer me as an author in the field of open publishing?

How does it work?
Each chapter introduces one topic of open access and offers basic **definitions** and **description**, supplemented by multimedia, **useful links** and an overview of **recommended literature**. At the end of each chapter, there is a short quiz to test your newly acquired knowledge. In order to be able to complete the quizzes, you need to enrol in the course (cogwheel in the top right corner > Enrol me in this course).

[Enrol me in this course](#)


Research Data Management
Dashboard / My courses / RDM_ENG

Introduction
Welcome to the Research Data Management course!

Data-based research is becoming more and more common across a wide range of scientific disciplines. With the growing importance of research data, there is also a growing need to manage data properly throughout the research process. In this course, we will introduce the **basic concepts of research data management** as well as some specific **tools** that can help you with data management.

During this course you will learn

- What are research data
- What is research data management
- What are the benefits of research data management
- What is a data management plan and how to create one
- Useful tips for collecting and processing research data
- What are open research data and how to share your data
- ...and a lot more!



How does it work?
Each chapter introduces one topic of research data management and offers basic **definitions** and **description**, supplemented by multimedia, **useful links** and an overview of **recommended literature**. At the end of each chapter, there is a short **quiz** to test your newly acquired knowledge. In order to be able to complete the quizzes, you need to enrol in the course (cogwheel in the top right corner > Enrol me in this course).

Thank you for your attention

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