

Open Science at CUNI

Area studies research seminar



**OPEN SCIENCE
SUPPORT CENTRE**
Charles University

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Open Science Support Centre

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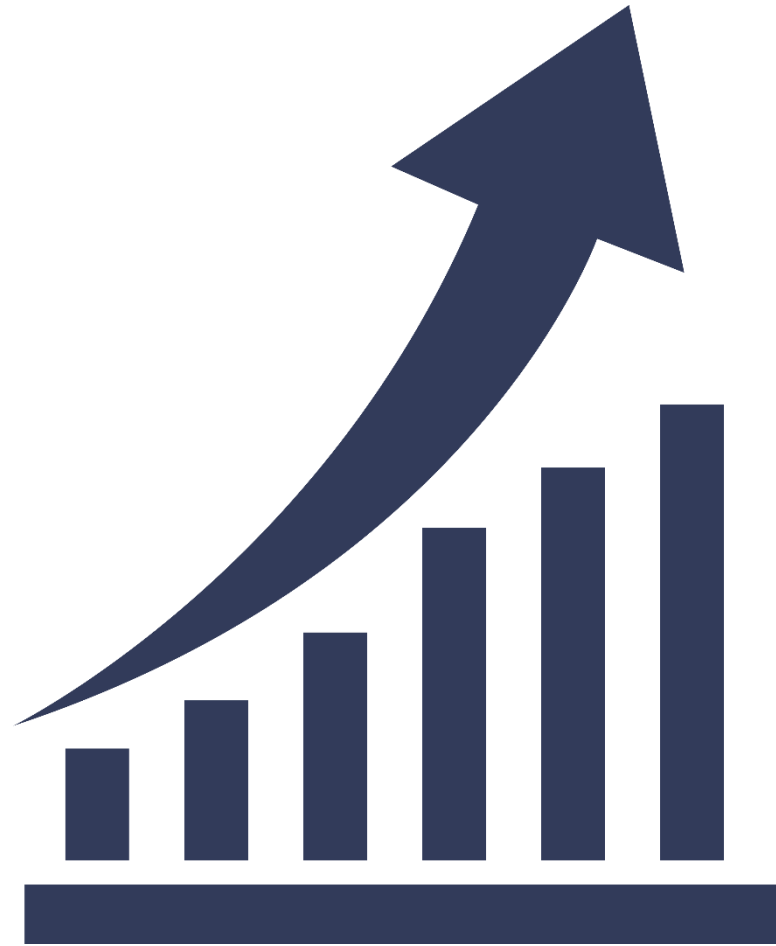




Why open science?



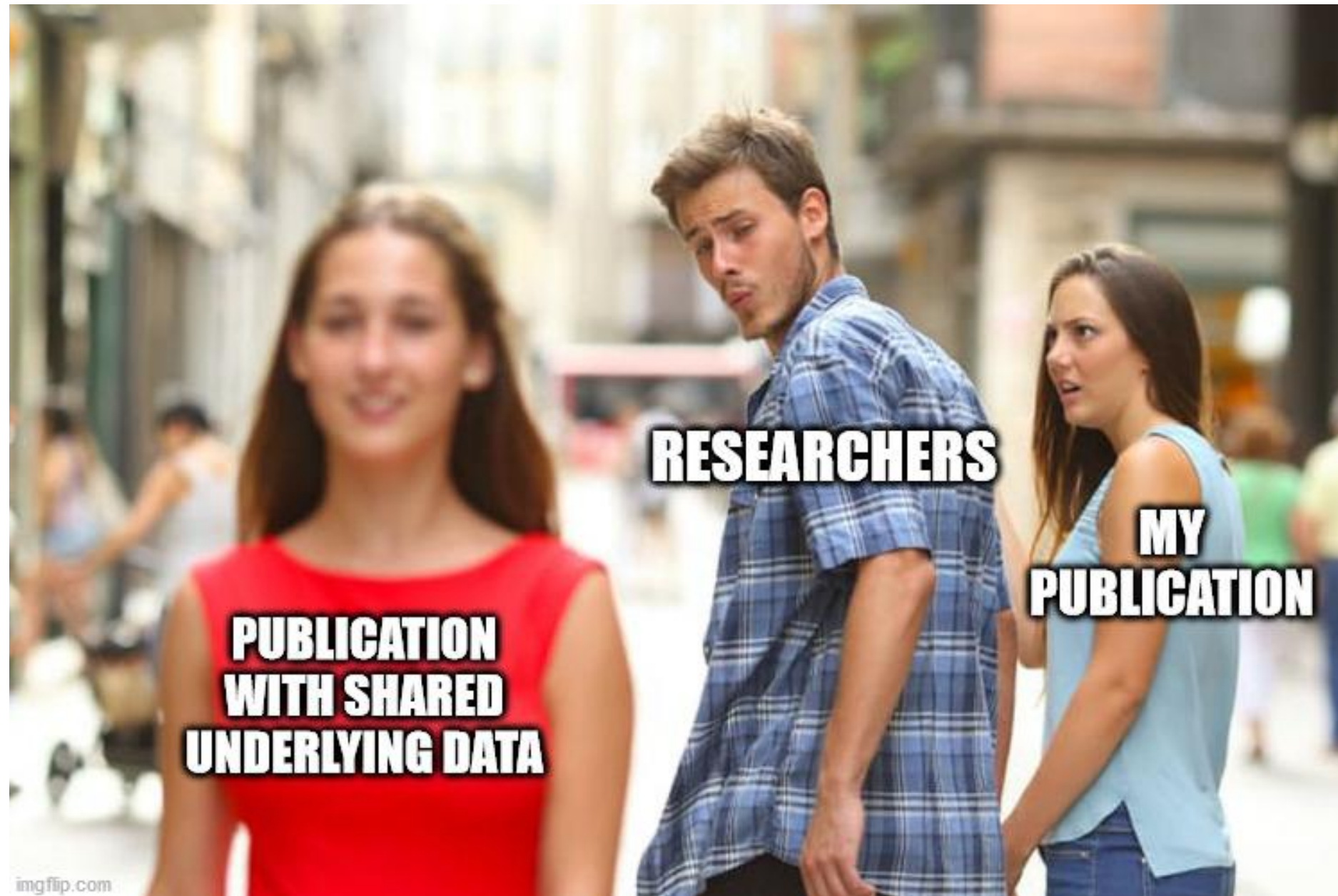
Citations and everlasting fame!



More citations!



Citations and everlasting fame!



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

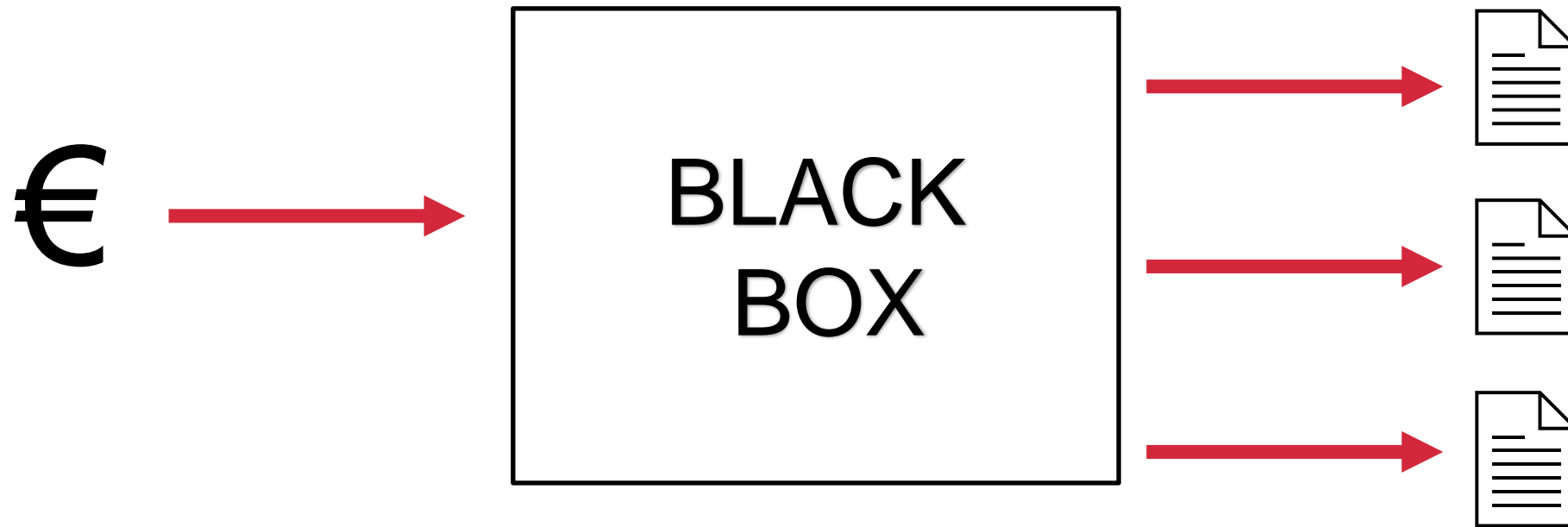
[Drachen et al. \(2016\)](#)

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

**OPEN SCIENCE:
JUST
SCIENCE
DONE RIGHT**

Open Science

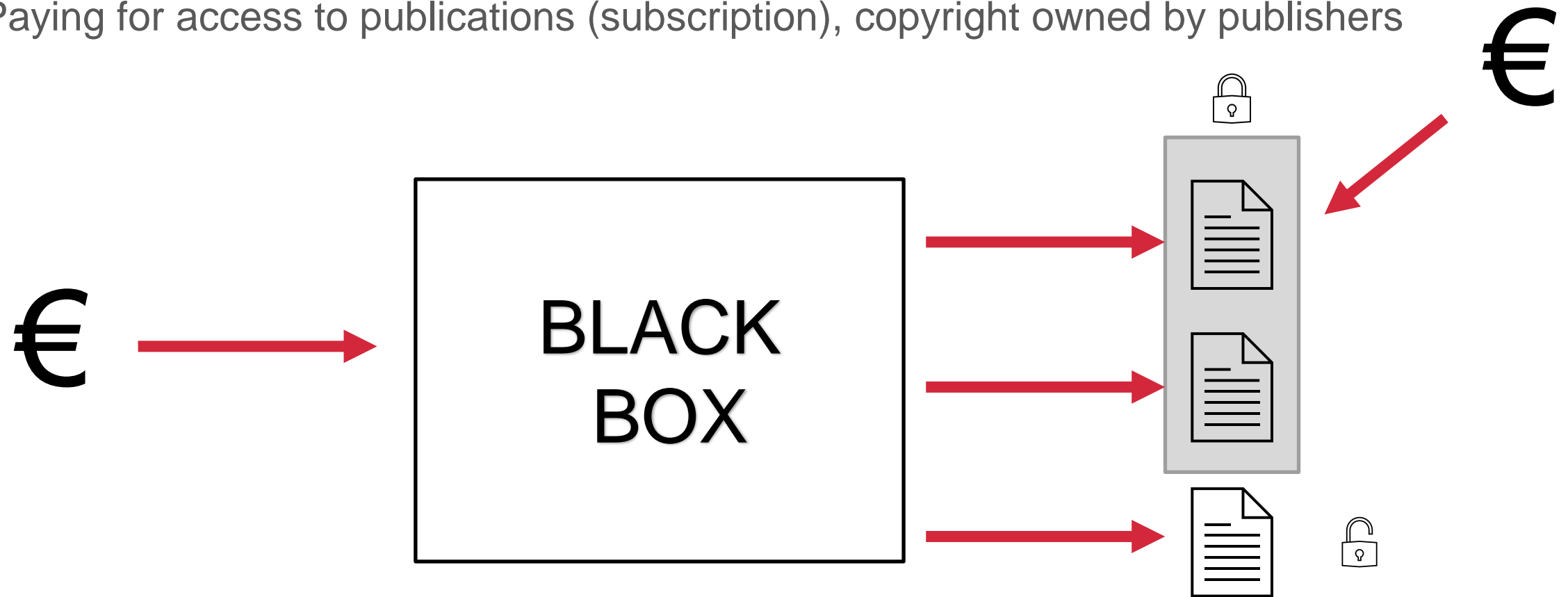
What science looks like now



Open Science

...and often it is actually even worse...

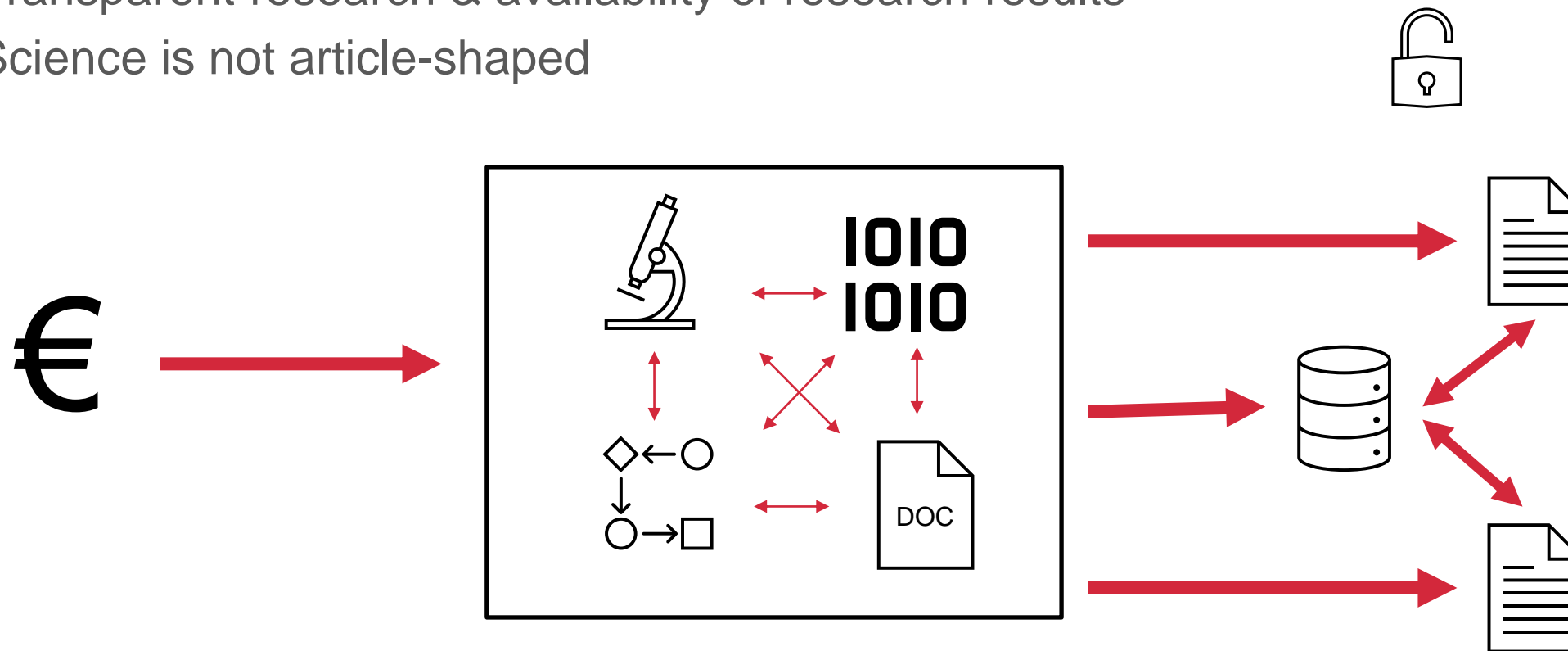
- Paying for access to publications (subscription), copyright owned by publishers



Open Science

Main goals

- Transparent research & availability of research results
- Science is not article-shaped



Open Science

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



Relevant across **research fields**

Open Science



Open data: What are data?

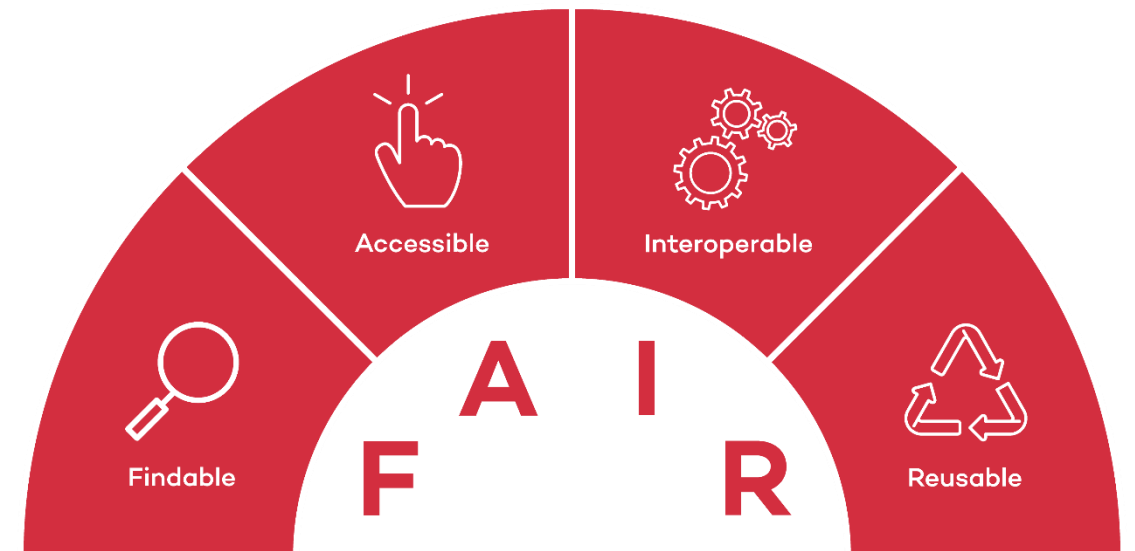
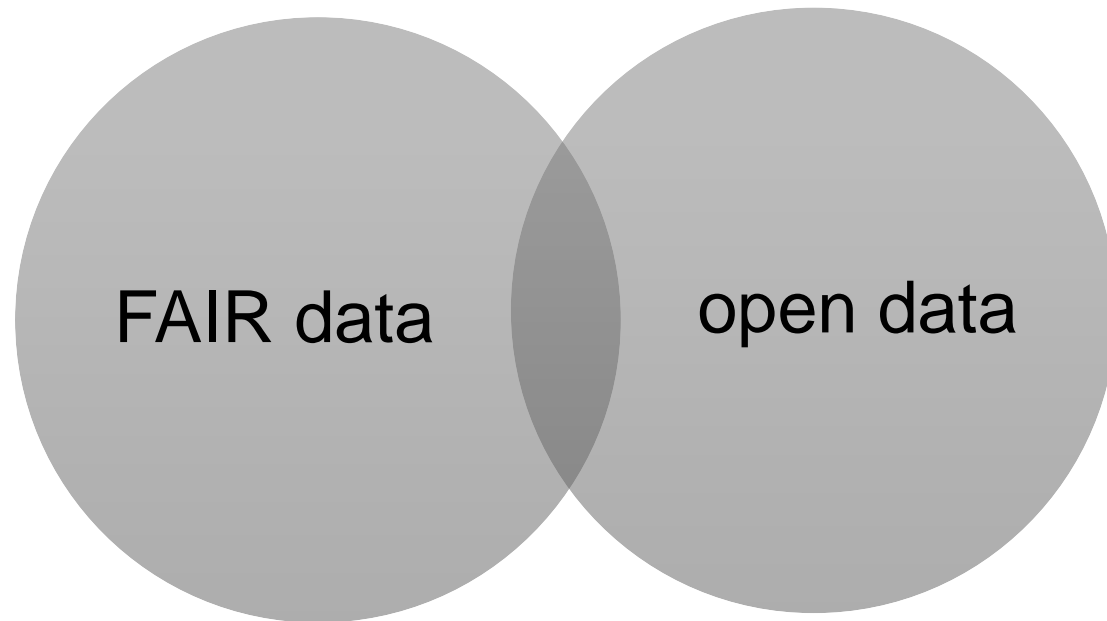
= *information that has been collected, observed, generated, or created to validate or reproduce your research findings.*

- Research data can take various forms (digital or non-digital)
 - Spreadsheets, documents
 - Images, photographs, maps
 - Software, script
 - Lab notebooks, questionnaires, transcripts
 - Samples, artefacts
- Raw data vs. processed data



Open data...?

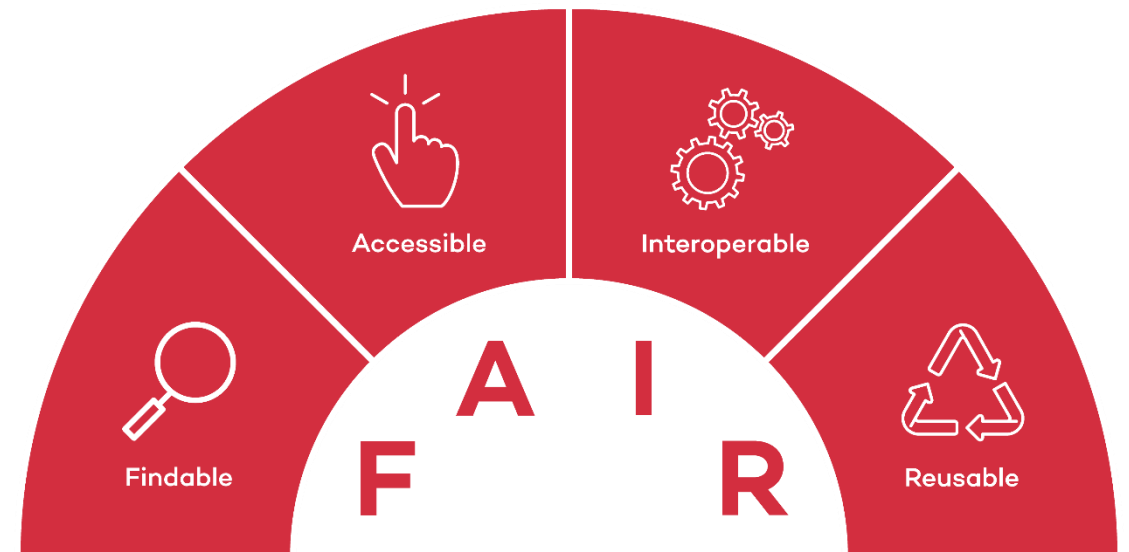
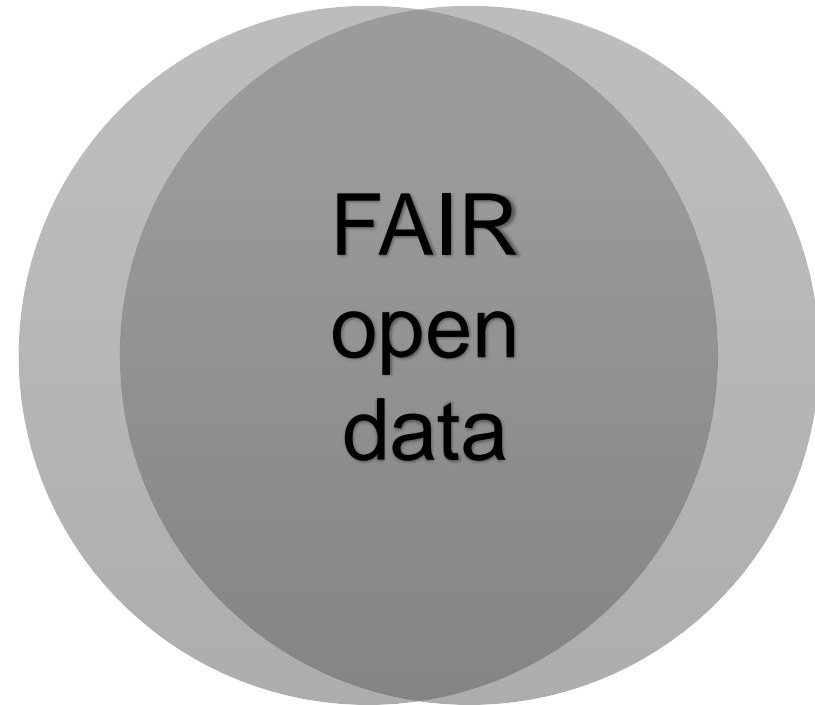
→ **FAIR** data: **F**indable, **A**ccessible, **I**nteroperable, **R**eusable



As open as possible, as closed as necessary

Open data...?

→ **FAIR** data: **F**indable, **A**ccessible, **I**nteroperable, **R**eusable



As open as possible, as closed as necessary

How to FAIR?

- Data management plans
- Research data management
- Data sharing
- Project support

→ openscience@cuni.cz



Open Access

Green OA

- Open access enabled by the author
- Depositing the publication in a repository

CU Research
publications repository



Gold OA

- Open access enabled by the publisher
- Publishing in open access journals

APC discounts



Green Open Access

= combines publishing in scientific journals (both subscription-based and open) and self-archiving an article in an **open repository**

1. Check the journal's terms of self-archiving (version, embargo...)
2. Publish an article in the selected journal
3. Deposit your article in a repository in accordance with the journal's terms



OpenDOAR



CU Research Publications Repository

- Self-archiving of publications created at CUNI
 - Research **output types**: abstract, journal article, chapter, book...
 - **Versions**: manuscript, preprint, postprint, published version
- Variants of availability
 - Open access
 - Open access with embargo
 - Restricted access
- Self-archiving through [IS Věda – OBD](#)
- [More information about the Repository](#)



Gold Open Access

= a way of publishing in *open peer-reviewed journals*. Access to full texts is provided by the publisher, not the author.


1. Find a suitable journal that allows open access publications
2. Check whether you have the opportunity to get funds for the publication fee
3. Publish your article in a selected journal



Discounts and tokens for covering APC

- **APC** = article processing charge
- Cambridge University Press
- Oxford University Press
- SAGE
- Taylor & Francis
- Wiley
- And many more...



A close-up photograph of a bird's beak and talons. The beak is bright yellow and textured, with several sharp, dark, curved talons extending from it. The bird is perched on a wooden surface, which is visible in the lower-left corner. The background is a soft, out-of-focus blue-grey color.

Beware of fraudulent entities posing as service providers for scientific community, whose sole aim is to generate profit (usually through article processing charges) without adhering to established standards of scientific communication and ethics and thus contributing to the dissemination of quality scientific information.

Predators

Website

- <https://openscience.cuni.cz/en>
- News and articles
- Open access & Research data
- [APC discounts](#) for CU authors
- [Research funders' policies](#)
- [Contact](#) information

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f t y r g A A

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OPEN SCIENCE CHAMPIONS

Meet the researchers at Charles University who practice and support open science

NEWS

- Free licenses for DataCamp in NTK
[read more >](#)
2 August 2022
- Meet and greet
[read more >](#)
16 June 2022
- Research data management and Data security
[read more >](#)
13 May 2022
- Research data management now included in the tender documentation of
[read more >](#)
21 March 2022
- We invite you to the EOSC Future Open Days
[read more >](#)
18 November 2021
- Call for Czech researchers to shape the EOSC Future solutions
[read more >](#)
9 September 2021

[All news >](#)

DISCOUNTS ON OPEN ACCESS PUBLISHING FEES FOR CU AUTHORS

Online courses

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).

Further support

- Lectures and training
- Methodological support
 - Assistance with selecting OA journals
 - Assistance with identifying predatory journals
 - DMP consultations
 - Legal support in IPR and licensing
- Mailing list [oa-l](#)
- International cooperation: [4EU+ webinars about Open Science](#)



LET'S OPEN SCIENCE!

The **Open Science Support Centre** offers the following to employees and students of Charles University:

- Tailor-made training and individual consultations
- Methodological support in selecting a suitable open access journal or repository
- Methodological support in examining a potentially predatory journal or publisher
- Methodological support in research data management before, during and after the project
- Methodological support in providing open access to research data

More information about open science can be found at openscience.cuni.cz or you can contact us at openscience@cuni.cz.

Open Science Champions

Mgr. Marian Novotný, Ph.D.

"Open science is a natural approach to doing science that is beneficial for data users, but especially for data producers."



Faculty of Science

ORCID iD:
» [0000-0001-8788-3202](https://orcid.org/0000-0001-8788-3202)

OPEN SCIENCE CHAMPIONS CUNI
» bit.ly/openchampionscuni

doc. Mgr. Radek Šimík, Ph.D.

"Open science is a path to more valuable scientific knowledge accessible to all who are interested in it."



Faculty of Arts

ORCID iD:
» [0000-0002-4736-195X](https://orcid.org/0000-0002-4736-195X)

OPEN SCIENCE CHAMPIONS CUNI
» bit.ly/openchampionscuni

Ing. Mgr. Marek Vranka

"Open science is simply the science that is closer to what science should be like so that we can trust its results more."



Faculty of Social Sciences

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Thank you for your attention.

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