

# Open Science and Repository of University of Nova Gorica

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# Slovene open science (OS) legislation

- [Uredba o izvajanju znanstvenoraziskovalnega dela v skladu z načeli odprte znanosti \(Uradni list RS, št. 59/23\)](#)
- [Zakon o znanstvenoraziskovalni in inovacijski dejavnosti \(ZZrID, Uradni list RS, št. 186/21\)](#)  
(mainly articles 40., 41. and 42.)
- [Zakon o dostopu do informacij javnega značaja \(ZDIJZ, Uradni list RS, št. 51/06\)](#)  
(mainly article 6.č)
- [Resolucija o znanstvenoraziskovalni in inovacijski strategiji Slovenije 2030 \(ReZrIS30\)](#)  
(mainly goal 6)
- [Akcijski načrt za odprto znanost \(Vlada RS, št. dok. 63100-1/2023/5 z dne 31. 5. 2023\)](#)



# Slovene OS legislation highlights

- researchers should ensure open access to all **peer-reviewed scientific publications, research data** and **other research results** (software, algorithms, protocols, models ...) co-financed by public resources to the extent of at least 50%;
- peer-reviewed **scientific journals** and **scientific monographs** published in Slovenia, financed by state resources, must ensure open access to their content;
- **citizen science** should be implemented in research co-financed by public resources



# Researchers' main activities

According to the terms of contracts signed with the funders, the authors should:

- publish appropriate version of the article in trusted digital repository,
- choose appropriate license (Creative Commons, Data license ...),
- publish research data (follow the principle: "as open as possible, as closed as necessary")
- prepare and regularly update research data management plan,
- publish metadata,
- publish data about projects and publication costs.



# How to find an appropriate journal to publish in?

check the OA policy on the journal's website

- **Diamond OA journals** - no fees for authors, no fees for readers
- **Gold OA journals** - authors pay APC (Article Processing Charge), no fees for readers
- **Hybrid journals** – publish two types of articles: 1. authors pay APC, no fees for readers; 2. authors pay no fees, subscription costs remain
- **Green journals** - subscription costs for readers, authors can upload the appropriate version of the article in the repository (freely available to the public)

important: the publisher must allow the authors to save the final peer-reviewed version; the embargo must meet the funder's requirements

# How to find an appropriate journal to publish in?

[Open policy finder](#) portal

## ➤ Astroparticle physics

- published version - APC fee, CC BY
- accepted version - no fee, CC BY-NC-ND, embargo

## ➤ The Astrophysical Journal

- published version - no fee, CC BY 4.0

➤ to cover APC fee authors can use vouchers or apply for refund to the ARIS tender „Javni razpis za povračilo stroškov znanstvenih objav v odprtem dostopu“



# How to find an appropriate journal to publish in?

portal "[Odprte objave](#)"

- Funders policies and requirements
- Open publishing options
- Unfair publishing practices
- Choosing a journal to publish in
- [Open science](#) (UNG library webpage)

# Creative Commons licenses

## Types:

- **CC0** Public Domain
- **CC BY** Attribution - **articles**
- **CC BY-SA** Attribution-ShareAlike - **articles**
- **CC BY-ND** Attribution-NoDerivatives - **scientific monographs**
- **CC BY-NC** Attribution-NonCommercial – **scient. monographs**
- **CC BY-NC-SA** Attribution-NonCommercial-ShareAlike
- **CC BY-NC-ND** Attribution-NonCommercial-NoDerivatives – **scient. monographs**





# How to choose trusted digital repository?

- standards for determining trusted repositories (CoreTrustSeal, Nestor Seal DIN31644, ISO 16363)
- some databases:
  - [trusted repositories \(ARIS list\)](#)
  - [re3data.org](http://re3data.org)
  - [FAIRsharing](#)
  - [OpenAIRE](#)
- [RUNG](#), [Open Science Slovenia](#) – are on ARIS list

Important: link to the article in the repository or published article on publisher websites, personal websites, cloud storage services, Academia.edu, ResearchGate ... - do not meet the requirements of OS

A dark grey arrow points to the right at the top left. Below it, several thin, curved lines in shades of blue and grey sweep across the left side of the slide.

# Publishing research data

- domain-specific repositories ([CLARIN.SI](#), [Sistory](#), [Inspire-HEP](#) ...)
- institutional repositories ([RUNG](#), [Open Science Slovenia](#) ...)
- general repositories ([Zenodo](#), [Figshare](#) ...)
- published contributions can be submitted to different repositories
- research data is recommended to be stored in one repository; metadata and a link to published data also in the institutional repository



# Quality research data

- [Research](#) Data Management Plan (RDMP)
- **recommended formats** (independent of software and computer platforms)
- **the protection of personal data**
- **FAIR principles**
  - Findable
  - Accessible
  - Interoperable
  - Reusable

Important: some data must remain closed (protection of intellectual property, sensitive personal data, security data ...); this must be explained in RDMP



# Metadata



- describes research data in a way that it can be easily found, understood and used
- must be published open access (CC0 or CC BY)
- must be published in machine readable formats
- is a source of information about research even when the research data itself cannot be openly accessible
- among the best known metadata schemes is the Dublin Core Metadata Element Set consisting of 15 fields for describing digital objects



# Data about projects and publication costs

- it is necessary to add the data about the projects and funders to the repository
- data about Article Processing Charge or other publication costs should also be disclosed



# **Repository of University of Nova Gorica (RUNG)**



# Short history



- 2013 – four Slovenian universities launched a national **Open Science Slovenia** portal and repositories for open access to theses and scientific publications
- by the year 2022 - two more repositories were built (Digital Repository of Research Organizations of Slovenia, Repository of colleges and higher education institutions)
- 2015 - UNG students started publishing diploma, master, doctoral thesis in RUNG
- 2016 - UNG employees started depositing works for the bibliography management in RUNG
- 2023 - RUNG has been updated according to open science principles (the possibility of publishing research data, fields about projects, publishing costs ... were added)



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## Document type

A+ | A- | SLO | ENG

- Article (article in scientific or professional journal, conference contribution, etc.)
- Chapter or paragraph in a monograph
- Unpublished conference contribution, unpublished university lecture
- Conference contribution (lecture, report, poster - published in full in a separate conference proceeding or on conference or organizers web page etc.)
- Monograph or other completed work (scientific or professional monograph, scientific report, project documentation, software, manual etc.)
- Higher education textbook or other courseware
- Patent
- Research data, scientific data collection or corpus, experiment
- Research movie or documentary, audio or video record
- Work of art (poetry, prose, songs, movies, pictures, photographs or other works of art)
- Exhibition, performance, radio or TV show

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# Some fields necessary for publishing in OA

- Access type:
  - **Immediate** publication
  - **Delayed** publication until (max. 3 years)
  - **Permanently restricted access to full-text, metadata available** - author can choose „Allow access requests“ (author will receive an email for access requests)
  - **Restricted access** - metadata and files are not publicly available, available only to authenticated users (administrators); nobody knows the research exists
- Licenses
- About the project
- Data collection methods
- Processing charges

## Repository of University of Nova Gorica

Home About Search Browse

If the publisher or some other organization is the cop...

Enter either

Person: Surname:

or

Organization (name):

[Clear selection...](#)

**Licenses** ?

Add at least one license that applies to your work. If licenses apply to you, you can select "Other" under...

[Add license](#)

**About the project** ?

Funder:

Search for your project:

[Search for your project...](#)

Funding program:

Project number: ?


### Select a license

**General purpose**

- CC BY 1.0
- CC BY 2.0
- CC BY 2.5 SI
- CC BY 3.0
- CC BY 3.0 Austria
- CC BY 3.0 NL
- CC BY 4.0**
- CC BY ND NC 1.0
- CC BY-NC 1.0
- CC BY-NC 2.0
- CC BY-NC 2.5 SI
- CC BY-NC 3.0
- CC BY-NC 4.0
- CC BY-NC-ND 2.5 SI
- CC BY-NC-ND 3.0
- CC BY-NC-ND 4.0
- CC BY-NC-SA 1.0
- CC BY-NC-SA 2.0
- CC BY-NC-SA 2.5 SI

### Creative Commons Attribution 4.0 International

<http://creativecommons.org/licenses/by/4.0/>



This is the standard Creative Commons license that gives others maximum freedom to do what they want with the work as long as they credit the author.

Licensing start date:

?

Applies to:

Applies to (English):

# Repository of University of Nova Gorica

[About](#)[Search](#)[Browse](#)[Statistics](#)

## About the project ?

Funder:

Search for your project:

[Search for your project...](#)

Funding program:

Project number: ?

Project title:

Project acronym:

[Remove project](#)[Add project](#)

# File uploading to RUNG

University of Nova Gorica   University   Study   Research   Search the repository

## Repository of University of Nova Gorica

Home   About   Search   Browse   Statistics   **Vanesa**

### 2. File upload A+ | A- | SLO | ENG

**Upload to RUNG**   Upload of big files

**You need to upload at least one file.** Usually this is a PDF file that represents your document (presentation file), but you can upload any kind of file.

You can also upload other files if they belong to the work you are uploading. These can be source documents (like DOCX file that was used to create PDF), supplement files (images, charts, spreadsheets, or other files, compressed into a single ZIP file) or other. Each file can have a purpose that you can select. You can read more about the file purpose [here](#).

**Upload only files without any password protection!**

You can upload multiple files at once, also with drag & drop. [More about file upload](#) ?

**Select file**

Drag and drop your files here

List of your files in RUNG:

Purpose	File name	Date	Size (B)	Action
List is empty!				



# File uploading to RUNG

- Upload to RUNG
  - for files up to 2 GB
  - files remain on UNG server
  - easy to reach the data
- Upload of big files
  - for files 2 GB or more and files that are intended to be processed on supercomputers
  - upload is done via iRODS system using iRODS commands
  - it takes some effort to retrieve the data



# Thank you!

You are also welcome to attend a **lecture about Research data management** and **Open publishing** on **December 6th**. The data management lecture will be given by experts from Central Technical Library of the University of Ljubljana.

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