

**Alati za otvorenu nauku – NI4OS  
katalog; demonstracija alata;  
NI4OS i COVID-19**

Dani otvorene nauke III, 6.11.2020.

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## □ Obuhvat

- Primena i usvajanje alata, standarda i smernica
- Izbor i izrada alata
- Harmonizacija i interoperabilnost unutar i među zajednicama i sa ključnim inicijativama
- Razvoj i primena šema sertifikacije
- Razrada podsticaja za podršku ORDM-u i FAIR-u

## □ Ishodi

- Analiza podsticaja i nagrada koji se mogu koristiti za poboljšanje prihvatanja ORDM-a i FAIR-a
- Analiza smernica za otvorenu nauku radi usvajanja ORDM i FAIR
- Analiza i kategorizacija aktuelnih alata za FAIR i ORDM

- Resursi i alati za različite uloge
    - *Tools Catalogue* – izbor po temama, za sve
    - LCT – istraživači, ORDM (ATHENA RC, Grčka)
    - RePol – vlasnici i rukovodioci repozitorijuma, politika usluga (RCUB)
    - *RoP Compliance Tool* – pružaoci servisa, pravna i etička pitanja, usaglašenost sa EOSC (ATHENA RC, Grčka)
-

# Katalog alata (D4.3 – Mapping of legal, technical and procedural tools)

## □ Kategorije

### □ Serifikacija

- Smernice i politike
- Modeli
- Alati

### □ Donošenje odluka

- Smernice i politike
- Modeli
- Alati

### □ Podrška

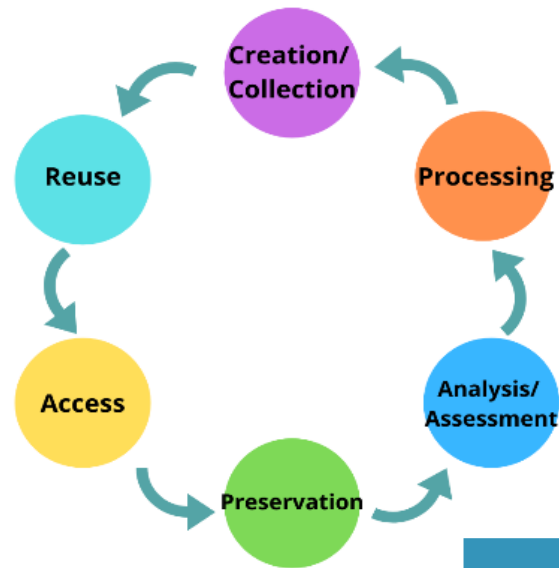
- Smernice i politike
- Modeli
- Alati

## □ D4.3

□ <https://zenodo.org/record/3820880>

## □ Živi katalog

<https://docs.google.com/spreadsheets/d/1Sk8YmcUbxoMDeIcyEKyXGPxDG61zEmDc>



	Certification	Decision making	Support
a. Guidelines & Policies			
b. Models			
c. Tools	For end-users (ready to use – “real” tools)		
	For developers		

# License Clearance Tool

## alat za utvrđivanje usaglašenosti licenci

- Pomaže u rešavanju problema sa intelektualnom svojinom i vodi kroz ulazne licence, izlazne licence, lične podatke, posebna ograničenja
- Dva različita toka: na osnovu korišćenih resursa i na osnovu licenci
- Podržava ponovljivost istraživanja
- Servis
  - <https://lct.ni4os.eu/lct/>
- Opis
  - [https://wiki.ni4os.eu/index.php/License\\_Clearance\\_Tool\\_-\\_Description\\_and\\_Documentation](https://wiki.ni4os.eu/index.php/License_Clearance_Tool_-_Description_and_Documentation)

The screenshot displays the 'License Clearance Tool' interface, specifically the 'Licensing Out' step (step 3). The tool is designed to help users clear licenses for their resources. The interface is divided into several sections:

- Header:** 'License Clearance Tool' with the tagline 'An easy and automatic approach in license clearance'. Navigation tabs include: 1 Resource Information, 2 Licensing In, 3 Licensing Out (active), 4 Personal Data, 5 Other Rights, and 6 Additional notes and clarifications.
- Left Panel (Step 1):** 'Resource Information' form with fields for:
  - Name: COVID-19 Corona
  - Description: including a daily
  - URL: https://data.europa.eu/euor
  - DOI: 10.2906/101099100
  - Manager's Full Name: ECDC European C
  - Manager's Email: info@ecdc.europa.eu
  - Type: Data
  - Existing License: Open Database License (ODBL)
- Right Panel (Step 3):** 'Licensing Out' form with fields for:
  - Compatible Licenses: Creative Commons Attribution
  - Does the resource contain personal data? (None)
  - Does the resource contain a special category of person?
  - Are there personal data anonymised? (None)
  - Are there personal data pseudoanonymised? (None)
  - What is the legal basis for processing the data? (Public Task)
  - Information provided to the data subject (None)
  - Legal Obligation: Relevant provisions (None)
  - Public Interest: Justification (Providing a higher quality version of already available data in user resource)
  - Contract: Description of allowed processing (None)
- Bottom Section:** 'Additional notes and clarifications' with a text area and a 'SUBMIT' button.

- ❑ Jednostavno softversko sredstvo za utvrđivanje licenci za različita dela; uključuje srodna prava i pitanja obrade podataka o ličnosti
  - ❑ Jednostavan softverski alat za ne-pravnike za određivanje licenci za različite vrste dela; uključuje srodna prava i pitanja obrade ličnih podataka
  - ❑ Naročito je pogodan kod licenciranja dela koju su bazirana na postojećim
  - ❑ Dvosmerno usaglašavanje licenci: predlaganje licenci koje su kompatibilne sa korišćenim ulazima i proveru kompatibilnosti zadate licence sa ulazima radi njihove zamene ili primene njihovih drugih licenci
  - ❑ Proverava i pomaže u razumevanju ekvivalentnosti, sličnosti i kompatibilnosti licenci kod kombinovanih dela
  - ❑ Utvrđivanje usaglašenosti nije vezano za onoga koji upravlja podacima ili je sproveo postupak utvrđivanja, već za delo
  - ❑ Moguće je da će se uključiti i utvrđivanje licenci dela nastalih kroz *crowdsourcing*
  - ❑ U skladu sa daljim razvojem zahteva i mehanizama za publikovanje, deljenje i kontrolu licenci, metapodaci iz postupka utvrđivanja će se moći preuzeti u standardizovanom mašinski čitljivom obliku i pod permisivnom licencom
-

# RePol (*RePOsitory POLicy generator*)

- ❑ Kreiranje politika repozitorijuma na bazi
  - ❑ Nekoliko obaveznih unosa
  - ❑ Jasnih izbora
  - ❑ Opcija pridruženih izborima
  - ❑ Pažljivo održavanih šablona
- ❑ Zasnovan je na OpenDOAR šablonima, prilagođenjima i u međuvremenu nastalim očekivanjima i zahtevima
  - ❑ *Creative Commons* licence
  - ❑ *Core Trust Seal* (CTS) sertifikacija
- ❑ U razvoju, biće na <http://repol.ni4os.eu>
- ❑ Pored dokumenta sa politikom, može da proizvede i mašinski čitljive podatke i druge relevantne izlaze
  - ❑ Usklađivanje sa zahtevima za *EOSC OS Monitor* i *EOSC OS Policy Registry* servisa i moći će da kreira podatke za njih
- ❑ Razvijena platforma može da se primeni za druge slične svrhe

# RePol RePOsitory POLicy Generator - Repository Policy

2020-11-05 17:27

Customize the policy of your repository.

## General Information

Repository name

Enter the name of the repository for which you wish to generate the policy.

Repository owner

Name of the organization or department. Must be named because the policy must be bound to an entity.

Parent organization

Repository owner's parent organization

Include preamble

If selected, an outline of policy preamble is included.

Preferred OpenDOAR policy flavour

Include Creative Commons explainer

If selected, a customized explanation with mentioned CC licenses is added to the text.

### Metadata

Restricted access to some metadata

Set if some metadata is hidden from general public.

Flavour of metadata license

Commercial metadata use allowed

Mention repository owner in re-used metadata

### Data/Content Access

Restricted access to some items

Set if some items are restricted to general public.

Flavour of content license

Mention CC BY-SA license for items

Mention CC BY-NC license for items

Mention CC BY-NC-SA license for items

### Content

Repository type

Multi-departmental repositories should be considered institutional, while subject-based ones may additionally restrict depositors.

### Repository subjects

Available		Selected	
Arts and humanities general	→	Medical and health sciences	←
Agricultural sciences	→	Engineering and technology	←



## Submission

### Allowed depositors

Available		Selected	
Affiliates	<span>➔</span>	Librarians	<span>➤</span>
Alumni	<span>➔</span>	Staff members	<span>➤</span>
Students	<span>➔</span>	Researchers	<span>➤</span>
General public	<span>➔</span>	Associates	<span>➤</span>

➔ Add New

Describe or list allowed participants: "researchers from SEE Europe" or "Institution A, Institution B and Institution C"

### Overall characterization of items to be deposited

All types of materials ▼

### Principal languages

Available		Selected	
German	<span>➔</span>	English	<span>➤</span>
French	<span>➔</span>	Serbian	<span>➤</span>
Spanish	<span>➔</span>	Bosnian	<span>➤</span>
Russian	<span>➔</span>	Croatian	<span>➤</span>
Albanian	<span>➔</span>	Macedonian	<span>➤</span>
Armenian	<span>➔</span>	Montenegrin	<span>➤</span>
Bulgarian	<span>➔</span>	Hungarian	<span>➤</span>
Georgian	<span>➔</span>	Slovene	<span>➤</span>
Greek	<span>➔</span>		

➔ Add New

### File size limit (kb)

0

File size limit for files that can be uploaded to the repository without requesting special permission.

### Retention period (years)

0

From the date of depositing. Blank or 0 for no retention period.

### Allow full harvesting of items by robots



Disable this if you want to preserve the items in the repository only. Full harvesting is still allowed for text indexing or citations.

Generate Document

# Repository Policy - MyRepo

Date (yyyy-mm-dd): Nov 5, 2020

## About MyRepo

TO REVIEW AND EDIT BY POLICY WRITER.

RCUB has established the institutional repository MyRepo. It is the joint digital repository of ALL MEMBERS/DEPARTMENTS of the (repo\_owner) OR PARENT UoB. The aim of the repository is to provide open access to digital collections of RCUB. The main aim of this repository is to increase the visibility of its research output / OR of the MEMBERS\_ DEPARTMENTS of the UoB and, at the same time, provide free access, in compliance with the [Institutional] open access policy of the UoB passed by the GOVERNING\_BODY (DATE OF POLICY).

The aim of this policy is to ensure that the contents of MyRepo reflect and strengthen the ! UoBRCUB's tradition of research excellence, by increasing the visibility of RCUB's research, and providing open access to RCUB research outputs. This policy also establishes the framework within which MyRepo is managed.

DESCRIPTION OF REPOSITORY PLATFORM AND VENDOR; EXAMPLE: The repository uses a DSpace-based software platform developed and maintained by the MAINTAINER/SUPPORTER. The software platform is compliant with the OpenAIRE Guidelines for Literature Repositories v3. DESCRIPTION OF FRONT-END APP SUPPORTING DEPOSITORS OR OTHER USERS, EXAMPLE: The repository is supplied with the external application FRONT-END APP, developed by the SOLUTION DEVELOPER. In FRONT-END APP, authors and funding information are presented as normalized entities. FRONT-END APP also enables metadata export and displays Altmetric scores and Dimensions citations.

Related documents:

- Creative Commons Licenses Explainer INTERNAL\_LINK
- Institutional open access/science policy EXTERNAL\_LINK
- User manual EXTERNAL\_LINK

## Designated Community

The Designated Community of MyRepo includes the following user groups (PLEASE ADAPT): Internal users: MEMBERS/STAFF of RCUB OR PARENT UoB. They can deposit their research outputs in the repository, browse and search the metadata, and, in most cases, download content from all repository collections.

External users: local and international professional researchers, citizen scientists, teachers, students, informed citizens, the general audience, etc. They can browse and search the metadata, and download the Open Access content from the repository.

(OPTIONAL) Associates, i.e. local and international professional researchers who have joint projects with internal users. They can browse and search the metadata, download Open Access content from the repository, access the collection dedicated to their project.

## Metadata Policy

- Anyone may access the metadata free of charge.

- The metadata may be re-used in any medium without prior permission for not-for-profit purposes provided:
- The OAI Identifier or a link to the original metadata record is given
- RCUB is mentioned

- RCUB is dedicated to providing high-quality and machine-readable item-level metadata.
- Mention of MyRepo is appreciated but not mandatory.

## Data Policy

- Anyone may access items free of charge.
- All items are individually tagged with differing permissions and terms of use.

- All items in MyRepo should be published under an open license, preferably the Creative Commons Attribution CC BY (Attribution Only, <https://creativecommons.org/licenses/by/4.0/>) license. This is at the discretion of the author and depends on funder's requirements, and licensing requirements of input content. In some instances, CC BY-SA (Attribution + Share-alike, <https://creativecommons.org/licenses/by-sa/4.0/>), CC BY-NC (Attribution + No Commercial Use, <https://creativecommons.org/licenses/by-nc/4.0/>), or CC0 Public Domain Dedication option ("no rights reserved", <https://creativecommons.org/publicdomain/zero/1.0/>) may be more appropriate.
- The used license is explicitly indicated in item metadata.
- The license and access status and of the items will be made machine-readable per state of art conventions, guidelines and relevant and widely applied standards.

- Data can be harvested by robots for full-text indexing or analysis.
- Mention of MyRepo is appreciated but not mandatory.

## Content Policy

- MyRepo is an institutional repository.
- MyRepo holds all types of materials.
- Items are individually tagged with their type, date, version, peer-review status and publication status.
- MyRepo holds all types of materials.
- Principal languages for content:
  - English
  - Serbian
  - Bosnian
  - Croatian
  - Macedonian
  - Montenegrin
  - Hungarian
  - Slovene

## Submission Policy

- Items may only be deposited by authorised users of MyRepo with appropriate credentials.

- Authorised users include:
  - Librarians
  - Staff members
  - Researchers
  - Associates

- The submission process must conform to submission guidelines in Document NAME (such as User manual) EXTERNAL\_LINK
- Items may not be deposited until any publishers' or funders' embargo period has expired.
- The administrators vet items for the eligibility of authors/depositors, relevance to the scope of MyRepo, valid layout and format, and the exclusion of spam.
- Items can be deposited at any time, but will not be made publicly visible until any publishers' or funders' embargo period has expired.
- repo\_owner
- Deposited metadata and items are subject to verification by repository administrators
- Any copyright violations are entirely the responsibility of the authors/depositors.
- If MyRepo receives proof of copyright violation, the relevant item will be removed as soon as possible.
- Files exceeding 0 in size should not be directly uploaded to the repository. For files with sizes larger than 0, a special upload permission may be sought out with repository administrators. // intentionally not offering to provide a link to an external hosting site should be used, as it breaks the purpose of the repository
- By depositing metadata and the content into MyRepo, the depositors accept the terms and conditions defined in this Repository Policy.

## Preservation Policy

- RCUB will try to ensure continued readability and accessibility.
- Where possible items will be migrated to new file formats when necessary.
- It may not be possible to guarantee the readability of some unusual file formats. The repository may work with external partners to convert or migrate file formats, develop and implement software emulations for old file formats, and/or record preservation metadata. // sve ovo
- Items will be retained for at least 0 years from the date of depositing.
- MyRepo will try to ensure continued readability and accessibility of items in the repository. However, it may not be possible to guarantee the readability of some unusual file formats over time.
- Items will be migrated to new file formats where necessary.
- Where possible, software emulations will be provided to access un-migrated formats.
- It may not be possible to guarantee the readability of some less common file formats.
- MyRepo regularly backs up its files according to current best practice.
- The original bit stream is retained for all items, in addition to any upgraded formats.
- Items may not normally be removed from the repository.
- Acceptable reasons for withdrawal include:
  - Journal publishers' requirements
  - Proven copyright violation or plagiarism
  - Legal requirements and proven violations
  - National Security
  - Falsified research

- Withdrawn items remain available for audit purposes to animistrators only.
- Optional for repos without moderators!! Full-text items may be removed or replaced at the request of the author/copyright holder, but meta-data with explanatory notes about interventions must remain.
- Withdrawn items are not deleted per se, but are removed from public view.
- Withdrawn items' identifiers/URLs are retained indefinitely.
- URLs will continue to point to 'tombstone' citations, to avoid broken links and to retain item histories, with:
  - A link to a replacement version, where available
  - A note explaining the reasons for withdrawal
- The metadata of withdrawn items will not be searchable
- Changes to deposited items are not permitted.
- Errata and corrigenda lists may be included with the original record if required.
- If necessary, an updated version may be deposited.
  - The earlier version may be withdrawn from public view.
  - There will be links between earlier and later versions, with the most recent version clearly identified.
  - The original URL will be linked to the latest version.
  - The item's persistent URL will always link to the latest version.
  - In the event of MyRepo being closed down, RCUB will endeavour to transfer the database to another archive.

## About Creative Commons licenses

If deposited under CC BY license, data and metadata can be:

- accessed free of charge,
- shared: copied, reproduced, displayed, performed, given to third parties, redistributed and stored in a database in any medium or format,
- adapted: remixed, transformed, and built upon for any purpose, even commercial.

Unless CC0 Public Domain Dedication option is declared, the user must provide the attribution of the original work by giving appropriate credit, providing a link to its license and indicating if changes were made. The credit is given by providing the name the creator, copyright notice, license notice and disclaimer notice, as well as a reference to the source. The user may not imply or suggest the licensor's endorsement of the user or their work.

With Share-alike condition OR!!(If CC BY-SA or CC BY-NC-SA license is declared), any adaptation or derived contributions must be distributed under the same license as the original or under a compatible one.

With No Commercial Use condition OR!!( If CC BY-NC or CC BY-NC-SA license is declared), only non-commercial uses of the item are allowed (for example, personal research or study, education, and other not-for-profit uses) unless a permission for commercial use (that is, primarily intended for commercial advantage or monetary compensation) is explicitly provided by the authors to licensee.

With any of Creative Commons licenses, the licensor may not restrict others from doing anything the license allows, or revoke the granted freedoms as long as the license terms are followed. Also, the users do not have to comply with the license for the elements of the work that are in the public domain or for uses allowed by an applicable exception or limitation, such as fair use and fair dealing. Creative Commons licenses do not give any warranties related to other rights such as publicity, privacy, or moral rights that may otherwise limit the use of the licensed works. CC0 may be required by the author or funder or be appropriate for databases, datasets, well-known facts, old works, and cultural heritage that are without ownership or copyright or in public domain in all jurisdictions.

For more information about Creative Commons licenses, please visit <http://creativecommons.org/choose/>.

- ❑ Motivacija: rezultati treba da ispunjavaju najviše standarde i da budu sledljivi, lako dostupni, efikasno deljeni, praktični i primenljivi; nalaze i zaključke treba proučiti i adekvatno predstaviti
- ❑ Otvoreni poziv i brzi pristupni kanal za usluge, alate i softver za istraživanje u vezi sa COVID-19
  - ❑ Računarski resursi (HPC, *Cloud*), alati za analizu podataka, usluge skladištenja itd.
  - ❑ Tematske usluge – **I vaše rešenje može biti uključeno ponuđene usluge i alate!**
  - ❑ Pristup otvorenim podacima vezanim za COVID-19
  - ❑ Tematske odrednice su prilično široke
- ❑ Resursi su već dodeljeni Sedištu za evropsku istraživačku eru u bioinformatičari i grupi za bioinformatiku na Kiparskom institutu za neurologiju i genetiku
  - ❑ ChemBioServer – <https://chembioserver.vi-seem.eu/>, filtriranje rezultata virtuelnog skrininga potencijalnih lekova
  - ❑ FEPrepare – [https://feprepare.vi-seem.eu](https://feprepare.vi-seem.eu/), automatizuje podešavanja NAMD/FEP simulacija računarske hemije
  - ❑ AFMM – [https://afmm.vi-seem.eu](https://afmm.vi-seem.eu/), parametrizacija polja sila MD simulacija molekula sličnih lekovima
  - ❑ Nanocrystal – [https://nanocrystal.vi-seem.eu](https://nanocrystal.vi-seem.eu/), modeli nanočestica kao nosača lekova
- ❑ Više na <https://ni4os.eu/ni4os-europe-vs-covid19/>, [ni4os-europe-covid19@ni4os-europe.eu](mailto:ni4os-europe-covid19@ni4os-europe.eu)
- ❑ NI4OS viki katalog opštih i regionalnih informacija, klasifikacija, smernica...  
<https://wiki.ni4os.eu/index.php/Covid-19>