

A decorative graphic on the left side of the slide features two overlapping semi-circles, one dark blue and one light blue, with several small yellow squares scattered around them.

## Support action #3: Recommendations for trustworthy and FAIR-enabling data repositories

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Institut za hemiju, tehnologiju i metalurgiju,  
Institut od nacionalnog značaja za Republiku Srbiju



Institut za biološka istraživanja "Siniša Stanković",  
Institut od nacionalnog značaja za Republiku Srbiju



Institut za nuklearne nauke "Vinča",  
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- CeR - Centralni Repozitorijum IHTM-a - <https://cer.ihtm.bg.ac.rs/>
- RADaR - Repozitorijum Arhiviranih Digitalnih Radova Institut za biološka istraživanja „Siniša Stanković,“ - <https://radar.ibiss.bg.ac.rs/>
- VinaR - Repozitorijum Instituta za nuklearne nauke Vinča - <https://vinar.vin.bg.ac.rs/>
- RIMI - Repozitorijum Instituta za medicinska istraživanja - <https://rimi.imi.bg.ac.rs/>

## Učesnici su bili u prilici da:

- Analiziraju FAIR-IMPACT smernice i pruže povratne informacije o Smernicama:

*M5.2 - Guidelines for repositories and registries on exposing repository trustworthiness status and FAIR data assessments outcomes*

<https://zenodo.org/records/10058634>

- Dobiju instrukcije i podršku kako bi informacije repozitorijuma bile transparentnije i dostupnije





28. maj

**Kick-off sastanak**



11. jun

- Upoznavanje sa Smernicama
- Exercise worksheet



01. avgust

- Praćenje napretka u popunjavanju Exercise worksheet-a
- Upitnik



09. septembar

- Predstavljanje Exercise worksheet-ova po timovima
- Razmena iskustava



novembar

**Završni / izlazni intervju**

# Recommendations for trustworthy and FAIR-enabling data repositories

## Exercise worksheet



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<b>Organisation</b>	University of Belgrade - Institute of Chemistry, Technology and Metallurgy (ICTM) / Institute for Biological Research "Siniša Stanković" (IBISS) / Institute for Medical Research (IMR) / " <u>Vinča</u> " Institute of Nuclear Sciences
<b>Link</b>	<a href="https://cer.ihtm.bg.ac.rs/">https://cer.ihtm.bg.ac.rs/</a> (ICTM) <a href="https://radar.ibiss.bg.ac.rs/">https://radar.ibiss.bg.ac.rs/</a> (IBISS) <a href="https://rimi.imi.bg.ac.rs/">https://rimi.imi.bg.ac.rs/</a> (IMR) <a href="https://vinar.vin.bg.ac.rs/">https://vinar.vin.bg.ac.rs/</a> ( <u>Vinča</u> )
<b>Role(s) / Area(s) of expertise at organisation</b>	Repository managers Researcher Librarians



1. Repository Name
2. URL
3. Country
4. Language
5. Organization
6. Contact
7. Description
8. Research Area
9. Persistent Identifiers

10. Machine Interoperability
11. Metadata
12. Curation
13. Terms of Deposit
14. Terms of Access
15. Dataset Use License
16. Certification
17. Preservation

Attribute	7. Description
Description	A general description of the data repository.
<b>Information:</b>	<p><i>What is the information that you found that expresses this attribute? E.g. <a href="#">Edinburgh DataShare</a> is an online digital repository of multi-disciplinary research datasets produced at the University of Edinburgh</i></p> <p>About page</p> <p>The <a href="#">CeR</a>, <a href="#">RIMI</a> and <a href="#">VinaR</a> repositories provide descriptions on the Home page, About page, and <a href="#">RADaR</a> only on About page.</p> <p>For example, <a href="#">VinaR - Repository of the Vinča Institute of Nuclear Sciences</a> is the institutional digital repository of the <a href="#">Vinča Institute of Nuclear Sciences, University of Belgrade</a>.</p> <p><i>The aim of the repository is to provide open access to publications and other research outputs resulting from the projects implemented by the <a href="#">Vinča Institute of Nuclear Sciences</a>.</i></p> <p><i>The repository uses a <a href="#">DSpace</a>-based software platform developed and maintained by the <a href="#">Belgrade University Computer Centre (RCUB)</a>. The software platform is compliant with the <a href="#">OpenAIRE Guidelines for Literature Repositories v3</a>.</i></p> <p>(Example from the Home page)</p> <p><i>VinaR, ie <a href="#">Vinca Repository</a> is a joint digital repository of all laboratories and departments in <a href="#">Vinča Institute of Nuclear Sciences, University of Belgrade</a>. <a href="#">VinaR</a> provides open access to the publications, as well as to other outputs of the research projects implemented in these institutions.</i></p> <p><i>The software platform meets the current requirements that apply to the dissemination of scholarly publications, and it is compatible with relevant international infrastructures.</i></p>



<b>Location:</b>	<i>What is the location where you found the information? E.g. Home page, About page, Help pages, FAQs</i>
	The information can be located on the <i>About page</i> and <i>Home page</i> . The texts are slightly different but equally informative. Information on repository description can be found in ROAR, <u>OpenAIRE</u> , re3data, and NI4OS-Europe Catalogue.
<b>Human-friendly?</b>	<i>Is this information accessible to humans? Why (not)? What assertion type(s) is / are used?</i>
	<ul style="list-style-type: none"> <li>✓ Free-text assertion</li> <li>✗ Controlled assertion (i.e. using ontologies or controlled vocabularies)</li> <li>✗ Identification (i.e. using PIDs to reference the information)</li> <li>✓ Evidence artefacts (i.e. using links to resources containing the information)</li> <li>✗ Other: ...</li> </ul> <p>This information is accessible to humans from the repositories and from registries and catalogues that provide this information (ROAR, re3data, <u>OpenAIRE</u>, NI4OS-Europe Catalogue).</p>
<b>Machine-friendly?</b>	<i>Is a machine able to find the information? Why (not)? What standard is used?</i>
	Machines can find the information in the repository description via APIs and OAI-PMH protocol from registries such as ROAR, re3data, and services like <u>OpenAIRE</u> and NI4OS-Europe Catalogue.

<b>Validation:</b>	<i>How could this information be validated? Describe the relevant validation action(s). Who could carry them out?</i>
	<ul style="list-style-type: none"> <li>✗ Acceptance without validation</li> <li>✗ Direct machine-actionable validation</li> <li>✓ Machine-actionable validation through a third-party</li> <li>✓ Validation through human action</li> <li>✓ Validation through a mixture of human and machine action</li> </ul> <p>Humans can validate this information by accessing the repositories' Main page and About page.</p> <p>Additionally, machines can locate this information via APIs and OAI-PMH protocol from registries such as ROAR, re3data, and services like <del>OpenAIRE</del> and NI4OS-Europe Catalogue.</p>
<b>Added value:</b>	<p><i>What would be the added value of improving the exposure of this information for your organisation? How important is it for your organisation to have this information exposed in a way that is transparently accessible by both humans and machines? Why? Is the information that is exposed the relevant information? If not, how could this be improved?</i></p> <p>The information on the description of the repository is relevant and needs to be exposed. It leads to better visibility and automated inclusions in other registries, catalogues and services. This information is transparent and retrievable by both humans and machines.</p>
<b>Future improvement?</b>	<p><i>How willing and able are you / is your organisation to improve the exposure of this information? Why?</i></p> <p>We would like to make embedded metadata in the header of the main repository page (HTML) to be adjusted for better readability by web crawlers. This metadata is available on the item level (as explained in <a href="#">11. Metadata</a>), but we also want to make it present on the main page of the repositories.</p> <p>The <del>RADaR</del> repository will add the description to the repository's home page.</p>

<b>Wider examples</b>	<i>What use cases and applications relevant to other stakeholders could you think of that are not necessarily important to your organisation?</i>
	The ability to retrieve the information on the description of the repository, as well as other metadata, in both human- and machine-readable form, can be of great importance for the national Ministry of Science and Technology, national CRIS system - <u>eNauka</u> , University of Belgrade, and for researchers and the <u>general public</u> .
<b>Additional notes</b>	<i>Any additional thoughts or notes about the attribute/process</i>
	/

- ☐ Identifikovane oblasti u kojima je moguće unapređenje:
  - Unaprediti vizibilitet i pristupačnost detaljnijim opisima na Home i About stranicama (TRAP-RCUB wiki pages);
  - Unapređenje ugrađenih (embedded) metapodataka na veb stranicama repozitorijuma (HTML);
  - Dodatno razmotriti:
    - redizajn *dc.subject* polja kako bi uključivao kontrolisane rečnike (LCSH, MeSH etc.);
    - registracija repozitorijuma u FAIRsharing.org i sličnim registrima.

Sledeći koraci:

- Implementacija Smernica
- Diseminacija znanja
- Priprema dokumentacije za sertifikaciju repozitorijuma (CoreTrustSeal certification)



**FAIR-IMPACT**

Expanding FAIR solutions across EOSC

Hvala na pažnji