



# AAP 2023: WORKSHOP ON LESSONS LEARNT FROM AAP 2022

5 JULY 2022

CENTRUM VEDECKO-TECHNICKÝCH INFORMÁCIÍ SR (CVTI SR)  
*SLOVAK CENTRE OF SCIENTIFIC AND TECHNICAL INFORMATION*

# CVTI SR

## ABOUT US

- **Subsidiary organization of the Ministry of Education, Science, Research and Sport of the Slovak Republic.**
- **Since: 1938 as a Slovak technical library.**
- National information centre for science, technology, and education.
- Specialized scientific library of the Slovak Republic.

CVTI SR  
**EIZ** Elektronické  
informačné  
zdroje



múzeum  
špeciálneho  
**školsťva**  
v Levoči

múzeum  
školsťva  
pedagogiky



**PATLIB**





## MAIN ACTIVITIES AND TASKS

- Librarian services.
- **National contact office for Open Science.**
- Information on the Slovak education system – data collection and processing.
- Operation of interdisciplinary R&D centres and national infrastructures for R&D (data centre, Central information portal for R&D and innovation, Central registers of publication and artistic activities, Central register of theses and dissertations, Antiplagiarism system).
- Promotion of technology transfer and innovation.
- Support of Slovakia in international research cooperation - **National office for HORIZON & Slovak liaison office for research and development in Brussels (SLORD).**
- Popularization of science and technology.

**Museum of Special Education in Levoča**

**Museum of Education and Pedagogy in Bratislava**

**Proton Research Centre**

**International Laser Centre**

**FABLAB – Fabrication laboratory**

**AURELIUM Science Centre**

# OPEN SCIENCE & EOSC SUPPORT

## SINCE 2016

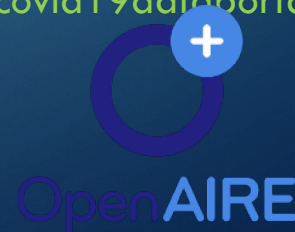
- 2 Open Access courses running (since 2018 -150 participants)
- Monthly Webinars (DOI, Citizen science, Creative Commons licenses, APC - Article Processing Charges, DMP - Data Management Plan..),
- 2 conferences / year (during Open Access week and spring workshop for researchers and editors of Open Access journals)
- Participative building of [National Strategy for Open Science 2021-2028](#)
- Read & Publish contracts with publishers
- Publications: [Guide to World of Academic Publishing, Creative Commons Guide](#)
- Web site <https://otvorenaveda.cvtisr.sk/>
- Part of OpenAIRE AMKE

### EUROPEAN OPEN SCIENCE CLOUD

- CVTI SR is mandated to coordinate EOSC-relevant activities on national level ([www.eosc.sk](http://www.eosc.sk))

### COVID-19 Data Portal

- National coordination team, upload of Slovak SARS-CoV-2 sequences to the portal ([www.covid19dataportal.org](http://www.covid19dataportal.org)).





# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Additional Activities:

- Activities in scope with the Strategic Research and Innovation Agenda (SRIA).
  - Activities NOT covered by EU funding (except for EC Structural Funds).
  - Activities and investments contributed in-kind or cash by the Members.
- 
- 9 categories;
  - *In each category – indication of the planned contribution, including “in-kind contribution”, in terms of: Full-Time Equivalents (FTEs): and; the Economic Value (€) of the described activities;*
  - ***ECONOMIC VALUE = the sum of the monetary value of the reported FTEs + any additional investment (e.g.: costs of upgrading an infrastructure, cost of a license or a piece of equipment, cost of IP protection, etc. );***
  - ***A standard conversion factor: 1FTE=100 000 € used - to calculate the monetary value of FTE contributions.***

# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## AAP 2022 Survey

### **SECTION I**

Your organization and your profile

### **SECTION II**

Monitoring the additional activities in 2022

### **SECTION III**

Reporting on the additional activities in 2021

# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 1. Support to additional R&I

This category covers: Additional (i.e. not funded through Horizon Europe in the context of the partnership):

- R&I activities funded by a public research funder which is a member of the EOSC Association; AND/OR:
- Additional R&I executed by a public research performer which is a member of the EOSC Association, funded through for instance a regional or national R&I funding programme or its own institutional funding;
- Service provision activities (not funded through EU-programmes), which are relevant for and in line with the objectives of the EOSC partnership, executed by either private-nature or public nature entities, which are members of the EOSC Association, funded through, for instance, a regional or national R&I funding programme or own institutional funding.

### Please note that:

- If a private-nature partner has received co-funding for a project from a public entity which IS a member of the EOSC Association, then the entire project should be counted in this category (also the part co-financed by the public entity).

In this category, R&I should be understood as covering the full range of TRL levels.

## Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 1.1</b> Upgrade of existing research infrastructures and e-infrastructures that may be federated through EOSC	Not applicable
<b>Activity type 1.2</b> Development and deployment of EOSC-compatible search engines allowing the researchers to explore rich metadata and semantic descriptions in (future) EOSC-connected registers	Applicable
<b>Activity type 1.3</b> Deployment of online tools for FAIRification [including to help creating FAIR Data Management Plans]	Applicable
<b>Activity type 1.4</b> Development and publication of large-scale studies	Not applicable
<b>Activity type 1.5</b> Contribution to operating core functions of a Minimum Viable EOSC ecosystem	Not applicable
<b>Activity type 1.6</b> Other	Not applicable

## II. ADDITIONAL ACTIVITIES 2022 - MONITOR

### Activity type 1.2

Development and deployment of EOSC-compatible search engines allowing the researchers to explore rich metadata and semantic descriptions in (future) EOSC-connected registers

**Estimated number of FTEs contributing to additional activities, in 2022**  
 (use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.5

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
 (use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 70000

### Description

(max 100 words)

The Comprehensive Information System for acquiring, processing, preservation and provision research and bibliometric information and publications (COMIS) is focused on the development and use of ICT to support Open Science in Slovakia. In addition to promoting open science, this project is also based on the European Interoperability Framework (EIF) Conceptual Model. Technologically, The project focuses on quality (data management), interconnection and linking of data and metadata (open data and semantic web), existing de facto standards and data credibility. As part of the semantic interoperability solution, emphasis will be placed on avoiding the repeated creation of single object metadata in multiple systems ('The once- only principle'), which will also save money and time in the processing process. Significant will be the implementation of the Single Sign-

### Activity type 1.3

Deployment of online tools for FAIRification [including to help creating FAIR Data Management Plans]

**Estimated number of FTEs contributing to additional activities, in 2022**  
 (use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.5

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
 (use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 70000

### Description

(max 100 words)

Deployment of a Masterdata management platform for metadata quality. Implementation of FAIR data in existing repositories. Open data platform for publishing open data sets. It will contribute to the openness of public services.



# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 2. Scale up of technologies

This category covers different scale-up activities (typically at TRL levels 4-5). These are mostly trials/tests of proof of concept models, i.e. validation of the technology in lab or relevant environment.

These activities must be totally funded and executed only by private entities that are members of the EOSC Association. If there is public co-funding, they should be reported in Category 1.

### Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 2.1</b> Investment done complementing the results of a project, bringing it to a higher TRL level (e.g. EOSC thematic services) or to deployment	Not applicable
<b>Activity type 2.2</b> Uptake of EOSC projects' outcomes (e.g. through adoption of new open specifications, standards for data interoperability, common EOSC frameworks for managing AAI)	Not applicable
<b>Activity type 2.3</b> Implementation of technical specifications required to provide services through the EOSC	Not applicable
<b>Activity type 2.4</b> Other	Not applicable

## Category 3. Demonstrators

This category covers demonstrations of a prototype. These demonstration activities would typically be at TRL levels 6-8.

### Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 3.1</b> Investment in new platforms, demonstrators, pilot use cases exploiting domain-specific user environments and supporting the EOSC vision	Not applicable
<b>Activity type 3.2</b> New (pre-)commercial services and capabilities along the data life cycle	Not applicable
<b>Activity type 3.3</b> Other	Not applicable

## Category 4. Creating new business opportunities

This category includes activities which aim at turning a fully developed and functional innovation into a business opportunity. It concerns activities such as investing in start-ups, spin-offs, incubators, accelerators etc. that will take forward the solutions/products developed within the partnership's projects.

**Please note that "Creating business opportunities" can only happen once the product or service is available in its fully developed form (i.e. when the "Scale-up of technologies" step is fully finished, and normally also when the "Demonstrators" step has been finished).**

### Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 4.1</b> Invest in start-ups, spin-offs on solutions developed within the projects	Not applicable
<b>Activity type 4.2</b> Start incubators/accelerators	Not applicable
<b>Activity type 4.3</b> Matchmaking between different start-ups, - SMEs, participating companies, stakeholders ..	Not applicable
<b>Activity type 4.4</b> Investments in procurement of innovative solutions	Not applicable
<b>Activity type 4.5</b> Other	Not applicable



# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 5. Training & skills development

This category covers activities that aim to identify and perform the skills and training programmes needed for the workforce that will produce and/or use the new product/service.

Is the following activity applicable to your organisation?

Applicable / Not applicable

### Activity type 5.1

Education, training and skills development in Open science and FAIR data management of research artefacts.

Applicable

### Activity type 5.2

Coordinating and aligning curricula on skills for FAIR and Open Science

Not applicable

### Activity type 5.3

Developing/implementing training frameworks for researchers, civil servants, or policy makers

Not applicable

### Activity type 5.4

Other

Not applicable

### Activity type 5.1

Education, training and skills development in Open science and FAIR data management of research artefacts.

### Estimated number of FTEs contributing to additional activities, in 2022

(use commas as a separator for decimal places, with no spaces, e.g.: 7,5)

1

### Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022

(use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro)

100000

### Description

(max 100 words)

Providing Open Science training and supporting digital skills\_x000D\_  
Supporting the next generation of data/EOSC professionals through the training and education meeting the demands of open science and open data best practice. \_x000D\_  
Develop a leadership programme to foster the right policy environment that supports digital skills and training at institutional and national level.\_x000D\_  
Build capacities to sustain learning corpora for digital skills and tools so that EOSC represents a trusted and long-lasting knowledge hub.

# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 6. Contribution to the development of new standards, regulations, and policies

This category covers activities to develop new standards, regulations, and new public policy in the area of the new product/innovation to enable market entry and/or enhance its societal uptake.

Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 6.1</b> Standardisation and certification activities related to EOSC trusted repositories (e.g. CoreTrustSeal and FAIR)	Not applicable
<b>Activity type 6.2</b> Contribution to the development of applicable FAIR guidelines and frameworks (such as software, code, data management plans, protocols).	Not applicable
<b>Activity type 6.3</b> Continuous standardisation of persistent identifier (PID) resource types	Not applicable
<b>Activity type 6.4</b> Support research communities to develop and/or adopt domain-specific standards	Not applicable
<b>Activity type 6.5</b> Support research communities to consolidate common metadata and/or data schema for use in the EOSC context	Not applicable
<b>Activity type 6.6</b> Other	Not applicable



# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 7. Supporting ecosystem development

Activities to further develop and integrate the R&I ecosystem in the partnership's area, e.g. through knowledge sharing/communication activities with technology clusters, innovation hubs, networking structures and other R&I bodies.

### Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 7.1</b> Define and/or test financing models for a long-term EOSC sustainability framework	Not applicable
<b>Activity type 7.2</b> Development of consensual EOSC frameworks and guidelines (e.g. for interoperability, Authentication and Authorisation infrastructure, the implementation of EOSC rules of participation)	Not applicable
<b>Activity type 7.3</b> Support to knowledge building and sharing across various research domains	Not applicable
<b>Activity type 7.4</b> Building industry-academia cooperation (e.g. GAIA-X, HPC or other industry-driven initiatives) at regional, national, or international level	Not applicable
<b>Activity type 7.5</b> Implementation and/or enforcement of the EOSC Persistent Identifier (PID) policy and architecture	Not applicable
<b>Activity type 7.6</b> Encouraging and incentivising use of European Research Infrastructure for sharing of research software	Not applicable
<b>Activity type 7.7</b> Monitoring of EOSC key performance indicators (KPI's), investments and FAIR data production and management)	Not applicable
<b>Activity type 7.8</b> Contributing to a rewards and recognition framework – in and/or outside the organisation- that incentivises FAIR data and Open Science	Not applicable
<b>Activity type 7.9</b> Activities contributing to strategic and operational alignment, coordination, or synergies with other structures such as Partnerships, Horizon Europe missions, data spaces etc. <b>at EU/international level</b>	Not applicable
<b>Activity type 7.10</b> Activities contributing to strategic and operational alignment, coordination, or synergies with other structures such as partnerships, Horizon Europe missions, data spaces etc. <b>at national level</b>	Applicable
<b>Activity type 7.11</b> Being the contact point or coordination mechanisms for EOSC uptake at national or institutional level	Applicable
<b>Activity type 7.12</b> Other	Not applicable

### Activity type 7.10

Activities contributing to strategic and operational alignment, coordination, or synergies with other structures such as partnerships, Horizon Europe missions, data spaces etc. **at national level**

**Estimated number of FTEs contributing to additional activities, in 2022**  
(use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.25

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
(use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 25000

#### Description (max 100 words)

The Slovak Centre of Scientific and Technical Information is the national umbrella institution of NCPs for Horizon Europe programme. Hence there will be ensured synergies with Horizon Europe (pillars, mainly area of Research Infrastructures and clusters), its partnerships and missions.

### Activity type 7.11

Being the contact point or coordination mechanisms for EOSC uptake at national or institutional level

**Estimated number of FTEs contributing to additional activities, in 2022**  
(use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.25

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
(use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 25000

#### Description (max 100 words)

The Slovak Centre of Scientific and Technical Information is mandated by the Ministry of Education, Science, Research and Sport of the Slovak Republic to coordinated the EOSC uptake on national level.

<https://eraportal.sk/horizont-europa/>

# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 8. Communication, dissemination, awareness raising, citizen engagement

Communication and dissemination activities to ensure citizens "take up" and acceptance of the new product/innovation, learning about user needs, awareness raising and stakeholder engagement.

Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 8.1</b> EOSC-related communication, dissemination, outreach and awareness raising activities	Applicable
<b>Activity type 8.2</b> Promoting EOSC at all levels by engaging with relevant communities and stakeholders	Applicable
<b>Activity type 8.3</b> Other	Not applicable

### Activity type 8.1

EOSC-related communication, dissemination, outreach and awareness raising activities

**Estimated number of FTEs contributing to additional activities, in 2022**  
(use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.25

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
(use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 30000

**Description**  
(max 100 words)

Information and dissemination activities about EOSC on national level. Informing activities through the national website, during conferences, seminars, through email communication...

### Activity type 8.2

Promoting EOSC at all levels by engaging with relevant communities and stakeholders

**Estimated number of FTEs contributing to additional activities, in 2022**  
(use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.5

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
(use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 50000

**Description**  
(max 100 words)

Dissemination and awareness raising activities on building and implementation of EOSC towards the Slovak research community. \_x0000\_  
The flow of relevant information about the EOSC to national stakeholders is ensured. \_x0000\_  
Set up of a national platform for the implementation of EOSC in Slovakia coordinated by the Slovak Centre of Scientific and Technical Information.

<https://eraportal.sk/eraportal/otvoreny-pristup-eosc/europsky-cloud-pre-otvorenu-vedu-eosc/>



# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## Category 9. Other

Is the following activity applicable to your organisation?

	Applicable / Not applicable
<b>Activity type 9.1</b> Introduction of EOSC-specific references in research programmes and EOSC-related criteria for R&I funding opportunities	Not applicable
<b>Activity type 9.2</b> Activities supporting open access publishing through the EOSC	Not applicable
<b>Activity type 9.3</b> Adoption of national or institutional strategies for digital transformation and related roadmaps	Not applicable
<b>Activity type 9.4</b> Adoption of new (national) policies on Open Science	Applicable
<b>Activity type 9.5</b> Outreach for creating a global cooperation framework for Open Science infrastructures	Not applicable
<b>Activity type 9.6</b> Other	Applicable

### Activity type 9.4

Adoption of new (national) policies on Open Science

**Estimated number of FTEs contributing to additional activities, in 2022**  
 (use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.25

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
 (use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 25000

**Description**  
 (max 100 words)

Slovak National Strategy for Open Science 2021-2028. The National Strategy for Open Science (hereinafter also as the National Strategy) aims to improve the availability of the Slovak science results and change the system of research and evaluation processes towards greater transparency, reproducibility, and integrity. Openness increases the visibility of the work of researchers and research institutions, the scientometric parameters of Slovak scientists, and the development of domestic and international cooperation. It also strengthens the connections with the private and public sectors, which ultimately increases the quality of research output. However, the merits of open science exceed an academic environment. The dissemination of open science practices contributes to the modernization of education and digital transformation of society and increases economic

### Activity type 9.6

Other, please specify...

**Other** Provision of technical and personnel capacities for SARS-CoV-2 sequences processing in Slovakia.

**Estimated number of FTEs contributing to additional activities, in 2022**  
 (use commas as a separator for decimal places, with no spaces, e.g.: 7,5) 0.5

**Estimated financial contributions including above-mentioned FTE costs, in Euro, for 2022**  
 (use full stops as thousand separators, commas as a separator for decimal places, e.g.: 100.000,00 Euro) 60000

**Description**  
 (max 100 words)

Provision of technical and personnel capacities for SARS-CoV-2 sequences processing in Slovakia. \_x000D\_ Data upload in the required standards to GISAID and ENA (European Nucleotide Archive) and to covid19dataportal.org. Bioinformatics services provided by the Slovak Centre of Scientific and Technical Information for sequencing laboratories - raw data supplied by laboratories are then processed into the required form. If required, it is possible to create exports and various visualizations from these systems.

If you wish to provide a link to on line documentation describing your activities, please insert the resource URL below

<https://otvorenaveda.cvtisr.sk/narodna-strategia-otvorenej-vedy/>

<https://eraportal.sk/eraportal/otvoreny-pristup-eosc/europsky-cloud-pre-otvorenu-vedu-eosc/>

# ADDITIONAL ACTIVITIES PLAN 2022 – CVTI SR

## III. ADDITIONAL ACTIVITIES 2021 - REPORT

### Category 5

Training & skills development

Actual contribution 2021, in FTEs Please, answer with a number, with one decimal place: 000,0	Actual expenditure 2021 in Euro (€)	Provisional/ validated expenditure
1	42000	Provisional

Providing Open Science training and supporting digital skills.

### Category 8

Communication, dissemination, awareness raising, citizen engagement

Actual contribution 2021, in FTEs Please, answer with a number, with one decimal place: 000,0	Actual expenditure 2021 in Euro (€)	Provisional/ validated expenditure
0.5	21000	Provisional

Dissemination and awareness raising activities on building and implementation of EOSC towards the Slovak research community.

### Category 9

Other

Actual contribution 2021, in FTEs Please, answer with a number, with one decimal place: 000,0	Actual expenditure 2021 in Euro (€)	Provisional/ validated expenditure
0.5	21000	Provisional

Provision of technical and personnel capacities for SARS-CoV-2 sequences processing in Slovakia.



# THANK YOU FOR YOUR ATTENTION.

Anna Krivjanska

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Slovak Centre of Scientific and Technical Information

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