

Implementation of Open Science Policy in Slovakia

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MINISTERSTVO
DOPRAVY A VÝSTAVBY
SLOVENSKEJ REPUBLIKY



MINISTERSTVO
ŠKOLSTVA, VEDY,
VÝSKUMU A ŠPORTU
SLOVENSKEJ REPUBLIKY

Centrum vedecko-technických informácií SR, CVTISR



Mission:

**to foster development of science,
technology and education** in Slovakia by:

- Providing comprehensive library and information services;
- Providing methodological and analytical activities supporting management and evaluation of R&D;
- Popularization of science and technology in society;
- Depository library for OECD, WIPO and the Centre of Patent Information of the SR (PATLIB).

SCSTI: A COORDINATION BODY AT NATIONAL LEVEL

- mandated organization by the Ministry of Education of the SR
- National Point of Reference for Open Science in the EC Expert Group
- A member of OpenAIRE
- A member of the EOSC Association



SCSTI Research Library

**Open Science Support
Department**

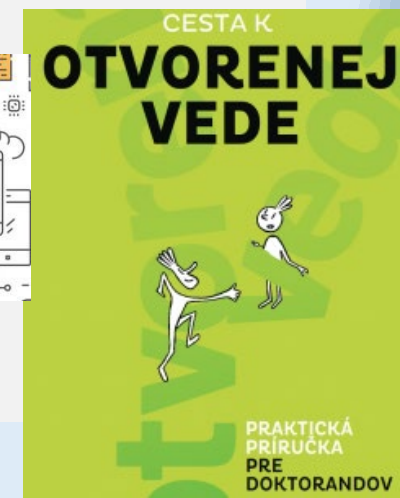
OTVORENÁ  VEDA **CVTI SR**



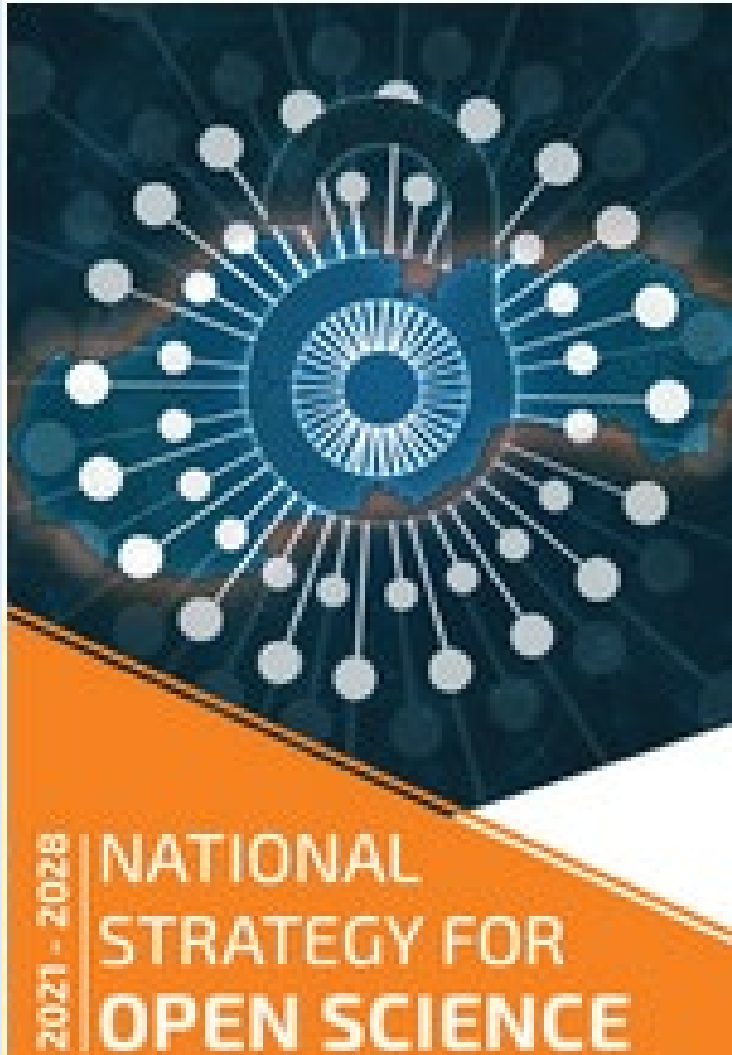
- founded 2017 as part of implementation of *Action Plan of the Open Government Partnership Initiative 2020-2021*.
- brings the advocacy of open science to Slovak academic community.
- **Courses** (train the trainers concept):
 - Introduction to the Open Science,
 - Electronic Information Resources for Science - Publishing Advisor,
 - Online course (MOOC): Lets Start with Citizen Science on the EU-Citizen.Science platform.
- **Open Educational Resources** (guides, webinars...) to teach and encourage sharing



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NATIONAL STRATEGY FOR OPEN SCIENCE

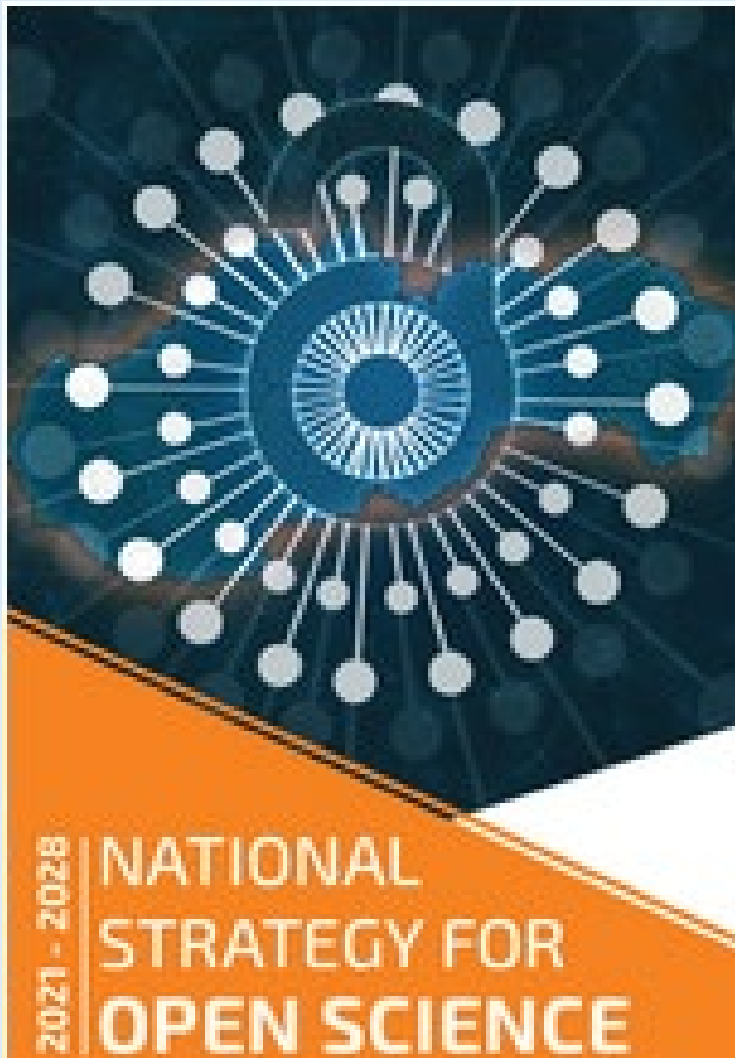


THE NATIONAL STRATEGY FOR OPEN SCIENCE 2021-2028

1. The strategy was created participatively (with engagement of academic and librarian community) and approved by the Slovak government in 2021.
2. It harmonizes the development of Slovak science and research with the Recommendations of the EU on access to and preservation of scientific information and the Horizon 2020 and Horizon Europe Guidelines.
3. *It aims to improve the accessibility of Slovak research results.*
4. It aims to change evaluation processes towards greater research transparency, reproducibility, and integrity.

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

NATIONAL STRATEGY FOR OPEN SCIENCE



NINE STRATEGIC PRIORITIES

direction of open science developments in the period 2021 - 2028

1. **Supporting open access to publicly funded research outputs,**
2. Supporting open access to research data and RDM,
3. **Supporting open science infrastructure development,**
4. Financial support to open science,
5. **Intellectual property rights and public licences,**
6. Supporting existing open IT solutions,
7. **Reinforcing academic community with open science skills,**
8. Reviewing research assessment criteria,
9. **Supporting citizen science.**

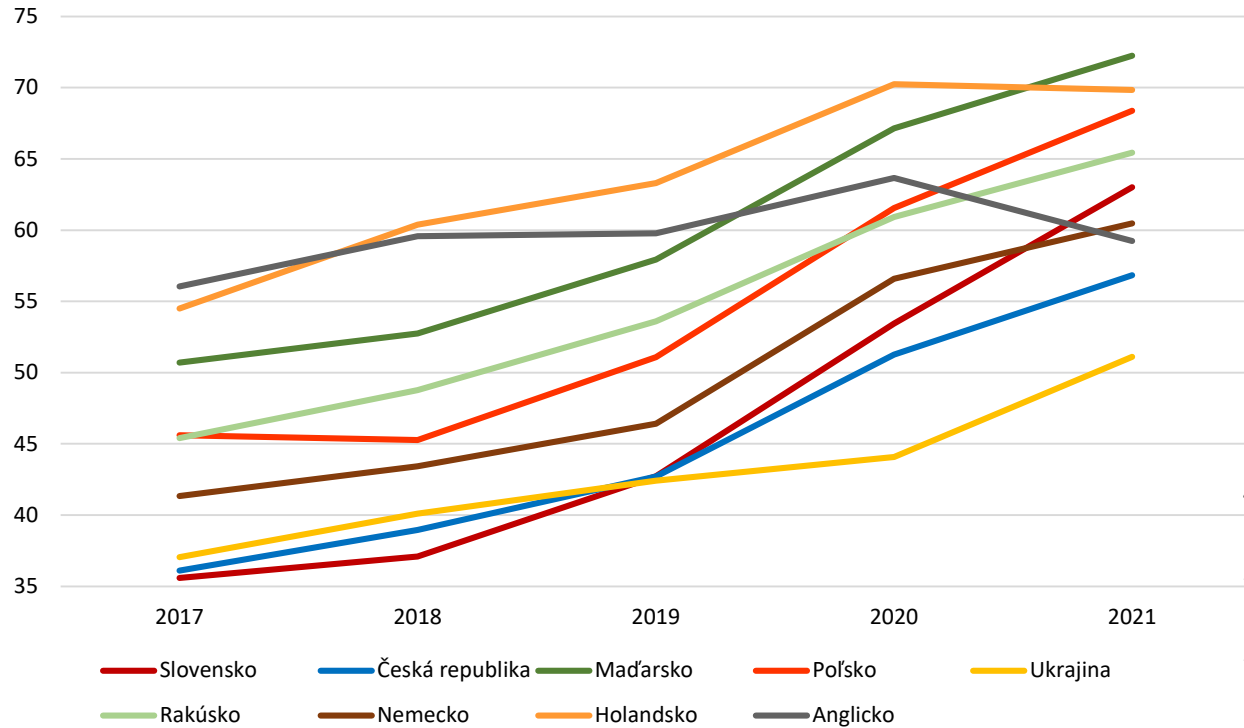
ACTION PLANS: IMPLEMENTATION OF NATIONAL STRATEGY



18 tasks
11 – fulfilled
4 – partially
3 – not fulfilled



Growth of the percentage of OA publishing (Web of Science, 2022)

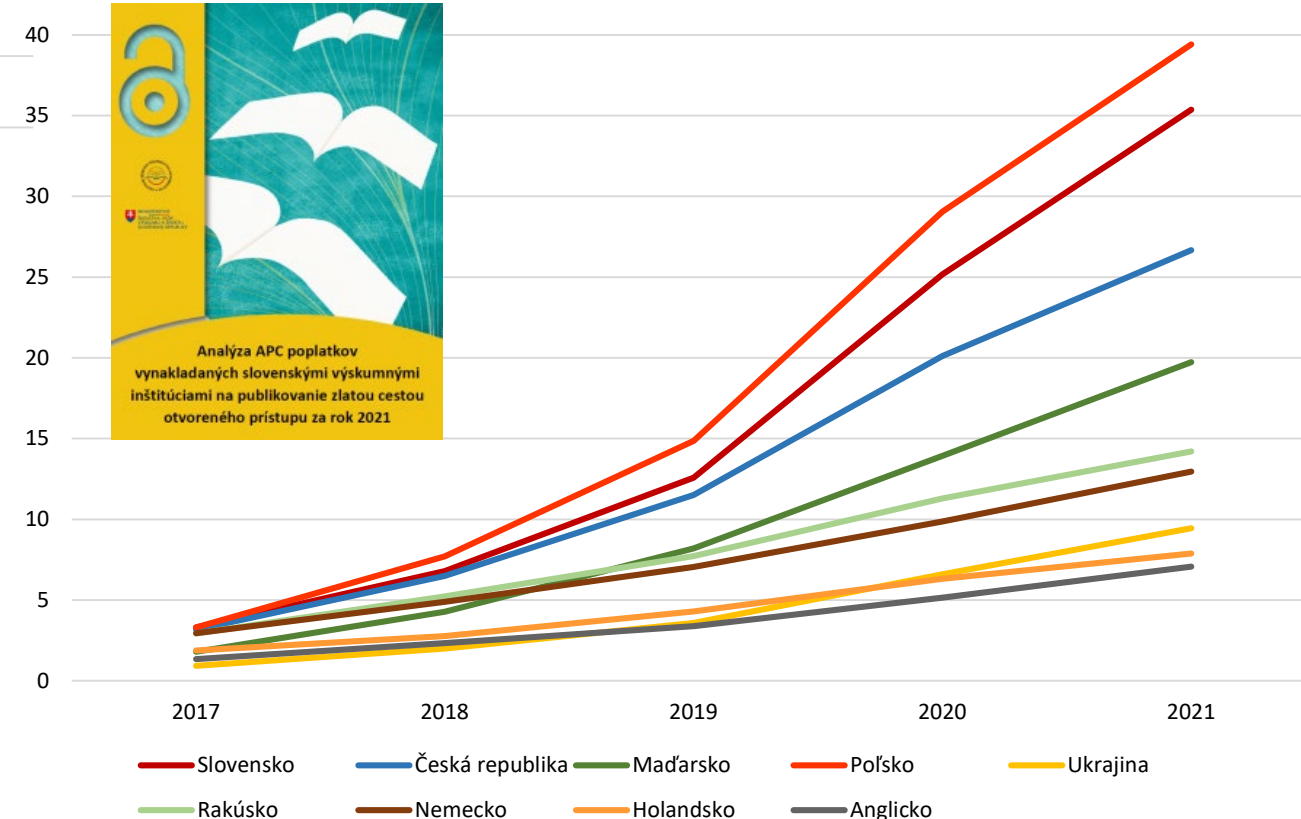


Share of open access publishing grows in Slovakia faster than in neighbouring countries, or some Western-European countries with developed culture of open science.

However, Slovak researchers have still struggle to get to the best publishing venues, mostly due to lack of funds to pay APCs - they turn to publishing houses such as MDPI.

With transformative agreements we hope to diversify and improve their publishing options.

Growth of the percentage of open publications in WoS published by MDPI (data: Clarivate Analytics, 2022)



METHODOLOGICAL RECOMMENDATIONS

Methodological Recommendation for Developing and Implementing Institutional Open Science Policy for Research Performing Institutions

Metodické odporúčanie na tvorbu a implementáciu inštitucionálnej politiky otvorenej vedy pre inštitúcie vykonávajúce vedy a výskum



Cieľová skupina: vysoké školy, Slovenské akadémia vied a iné inštitúcie vykonávajúce vedy a výskum

Spracoval: Centrum vedecko-technických informácií SR

Zverejnené: 2022

<https://zenodo.org/record/7446490#.Y7v8fRWZOUk>

OPEN SCIENCE/OPEN ACCESS POLICIES OF SLOVAK INSTITUTIONS



Open Science Policy of Matej Bell University in Banská
Bystrica: [https://www.umb.sk/aktuality/politika-otvoreneho-
pristupu.html](https://www.umb.sk/aktuality/politika-otvoreneho-pristupu.html)



UNIVERZITA
PAVLA JOZEFA ŠAFÁRIKA
V KOŠICIACH

Open Science Policy of Pavol Jozef Safarik University in Košice:
[https://www.upjs.sk/vyskum/vedeckovyskumna-cinnost/veda-
repozitar/](https://www.upjs.sk/vyskum/vedeckovyskumna-cinnost/veda-repozitar/)

The Agreement on Reforming Research Assessment

- introduced to Slovak research and academic institutions on 7 November 2022

**NÁRODNÉ PERSPEKTÍVY
REFORMY HODNOTENIA
VÝSKUMU**

Signatories from Slovakia



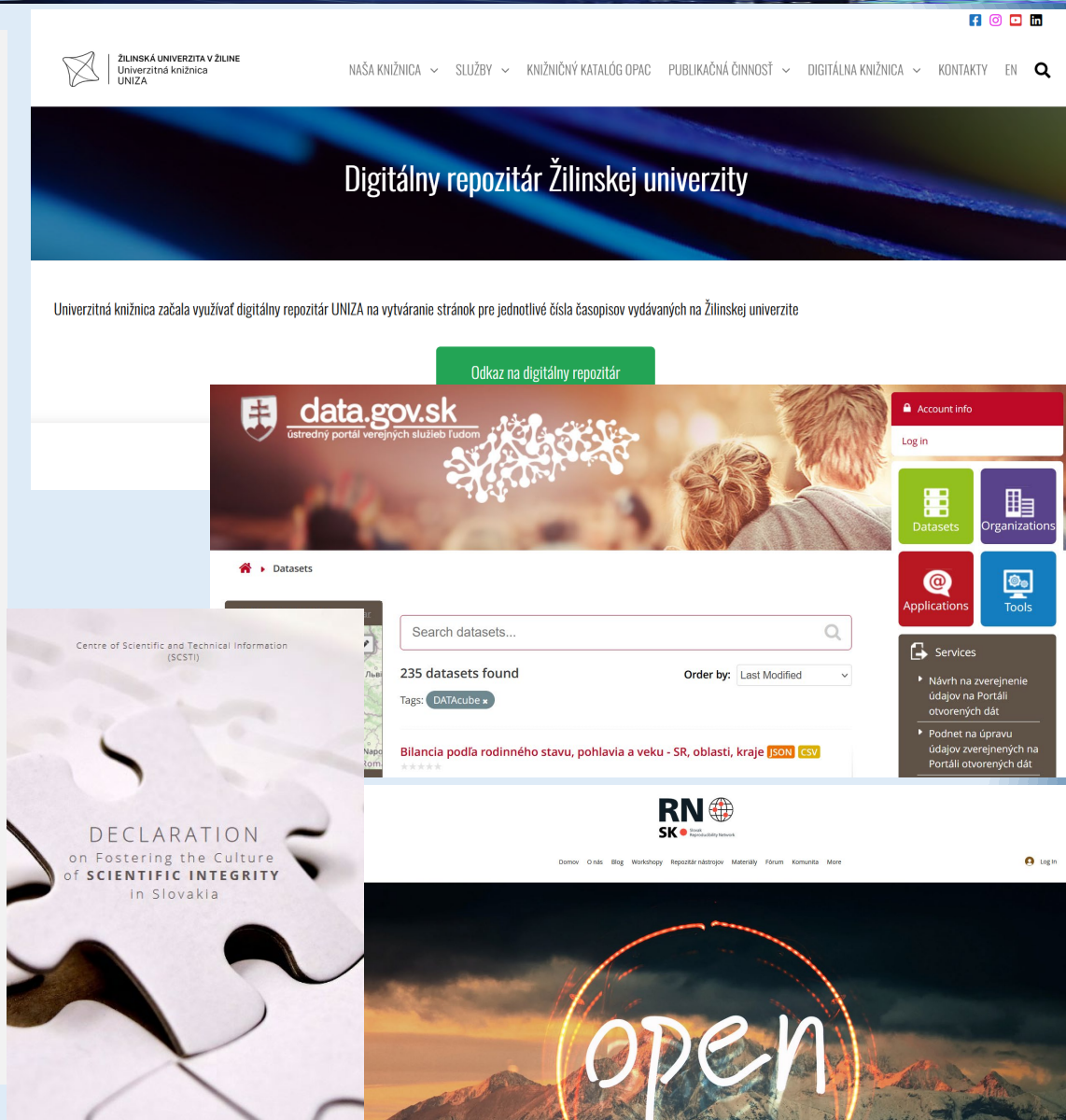
Slovak Accreditation Agency
for Higher Education



Comenius University
Bratislava

ENVIRONMENT TO SUPPORT OPEN SCIENCE IN SLOVAKIA

- **Development of institutional repositories** (University of Zilina, University of Matej Bel, Slovak Academy of Sciences...)
- **Open Educational Resources** Brainstorming session (Open Education Week 2023) – OER as a part of forming Higher Education Strategy
- **MIRRI** (Ministry of Investments, Regional Development and Informatization) – **Open Data Portal**, hackatons promoting use of open data
- **Declaration on Strengthening the Culture of Scientific Integrity in Slovakia**, addressing e.g. questionable/predatory publishing
- **Slovak Reproducibility Network** (promoting good practice in Slovakia, sharing tools...)



- Bridge the good practice of open science from the world to Slovak academic community
- Challenges: Communication, outreach to researcher community, connecting all levels of the system

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<https://otvorenaveda.cvtisr.sk/>



Thank you for attention

