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# Role and Opportunity of Library in the context of Open Science

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**Title: Role and Opportunity of Library in the context of Open Science**

**Topics**
• The changing landscape of research: open science; problem-based interdisciplinary research; community-based research; data governance.
• Trends in teaching and learning: virtual learning platforms; lifelong learning; education of librarians; digital fluency; critical information literacy.

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Abstract:

The role of libraries on Open Science has been recognised and discussed at multiple fora and have been accepted publicly by international organisations and stakeholders. It is natural, as academic libraries are already supporting a knowledge sharing and build a common good. In Slovakia, the National Research Library plays a key role in open science movement as we work as the national body strategically coordinating open science issues accross Slovakia. We participated very actively in the bottom-up project, which is Slovak National strategy for Open Science adopted by the Slovak Government in 2021. The Strategy for years 2021 – 2028 sets commitments in the following areas: Open Access to Scientific Publications, Research Data Management and Sharing, Reinforcing Academic Community with the necessary skills and competences, Support to Research IT Infrastructure and Citizen Science (CS).

Besides the national support researchers also need support at an individual practical level. In January 2022 the National Research Library introduced online Citizen Science course based on Moodle Platform. Users gain an insight into how to design CS project, how to find partners or information on data and ethics issues.
We are committed to promoting not „only" research information but overall scientific culture based on project-oriented action and networking. In cooperation with the Slovak University of Technology we opened a fablab, a digital manufacturing center and a space for design and production of physical objects via 3D printers or laser cutters, used by professionals (researchers), expert amateurs and general public.

We change in nature and structure to meet our user needs through innovative services and practices. As a result, we increase the visibility and strengthen our role in the academic environment while keeping our users – researchers, academics and students – at the heart of all operations.

Keywords: research library, open science, e-learning, citizen science, fablab