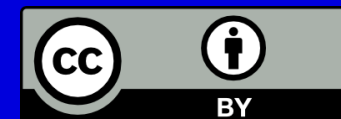


**Marika Hrubá:**

**Open Science  
Lesson from Czech  
Republic: Best  
Practice at Masaryk  
University**

EMBRACING THE FUTURE –  
MAKING OPEN SCIENCE  
TODAY

25.9.2025



# Today's Topics

**Open Science in the Czech Republic**

**Open Science Support at Masaryk University**

**Discussion**



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# Open Science in the Czech Republic

# National level – current status

- National strategy: The **National Strategy of Open Access to Scientific Information for 2017–2020** guided the first steps; the community is waiting for approval of a new national strategy
- Mandates and funder policies: Czech Science Foundation, Technology Agency for the Czech Republic and especially Ministry of Education, Youth and Sports - grant schemes require strict open science compliance (green OA without embargo, CC BY licenses, DMPs in first project reports, citizen science, preregistration, preprints). This poses significant challenges for institutional support.



# EOSC CZ

**Alignment with EU initiatives & EOSC CZ.** The EOSC CZ initiative is primarily focused on the data domain (research data management, FAIR data, metadata, data infrastructure):

- Establishing a National Data Infrastructure (NDI).
- Building a National Metadata Directory (NMD) and ensuring interoperability & standards.
- Operating a National Repository Platform (NRP) for research data services.
- Running working groups, coordinating data stewards, training, methodological support.
- EOSC CZ Training Centre: education in RDM, FAIR, capacity building.



# Open Science Support in the Czech republic

- Institutional structures: Most major universities have their own Open Science support department

Examples:

- Masaryk University (Brno) – strong OA and data management support.
- Charles University (Prague) – institutional OA policy, repository, and dedicated OS team.
- VSB – Technical University of Ostrava – Open Science office, institutional repository.
- Other universities and research institutes are building dedicated OS infrastructures and services.



# Open Science Support in the Czech republic

National coordination: Representatives of institutional OS support are united in **the Open Science Working Group of the Association of University Libraries:**

- Building a strong negotiation position towards funders and publishers.
- Acting as a communication bridge between researchers and funders.
- Clarifying concepts and requirements for researchers.
- Translating funder demands into practical guidance for scientists.
- Providing hands-on support (drafting OS sections in proposals, budgeting for publication fees).



# Open Science Support in the Czech republic

## Negotiation of Transformative Agreements

- CzechElib - part of the National Library of Technology
- [Overview of transformative agreements](#)

## Currently valid Transformative Agreements

- For several EIR providers, CzechElib has negotiated (with Wiley, Springer Nature, ACS, RSC, Taylor and Francis, OUP, CUP, IOP, AIP, ACM, Sage) a discount or complete waiver of Open Access publishing fees for members of its consortium

**The three-year contracts with publishers are now expiring, and we are awaiting the outcome of negotiations for the upcoming term.**





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# Open Science Support at Masaryk University

# Open Science at MU

**2010:** Signature of Berlin Declaration

**2020:** Preparation of university-wide Strategy of Open Science

**2022:** Approval of the Strategy. Strategy + supporting action plan available [here](#).

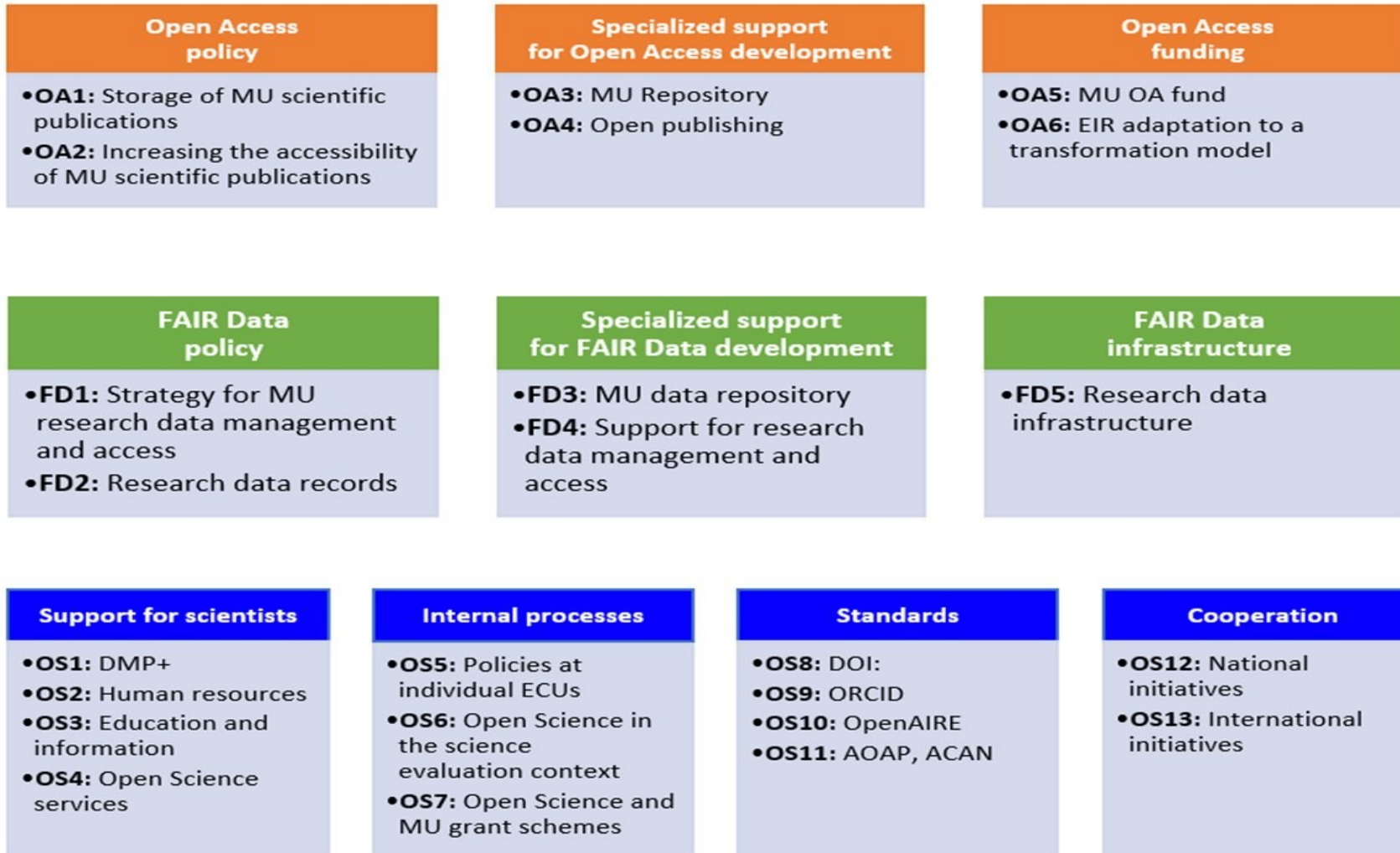
**2023:** National contact point EOSC for FAIR data management (Secretariat EOSC CZ)

**Main focus of the Strategy:** Open Access, FAIR Data support

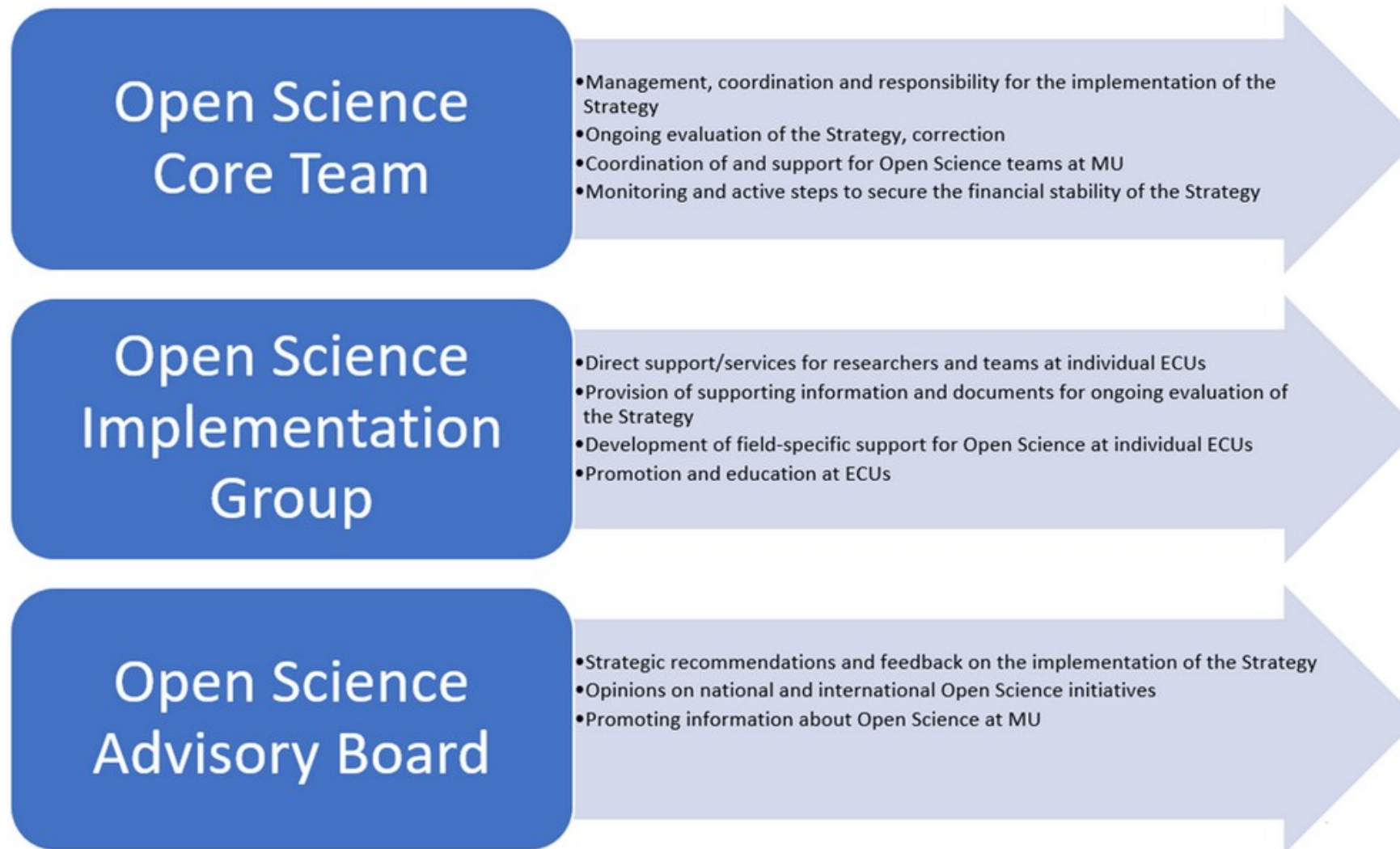
**Revision of the Strategy:** 2025 – integration of Citizen Science and Open Source areas



# Open Science Goals



# Roles of MU Open Science Support



# Implementation – Components of the Process

- **Setting up communication with the university leadership** – meetings with Vice-Deans for R&D, etc.
- **Establishing appropriate support** – central + distributed support
- **Reaching into the academic sphere through internal channels** – implementation group, advisory board
- **Cooperation with the Center for Scientometric Support, Research Department, and MU Libraries**
- **Engagement in educational activities** – lifelong learning, training for PhD students (*MU FRESHERS*)
- **Connecting the MU community with the educational activities of the EOSC CZ Training Center**
- **Linking to international activities**



# International Cooperation

- **OpenAIRE** (Michal Růžička from MU as National Contact)
- **EDUC Alliance** (MU as WP Leader for Open Science)
- **CRAFT-OA** (unique project for the implementation of technical infrastructure supporting OA Diamond, MU as the sole representative of the Czech Republic)



# Practical Support of Open Science

- **Data Management Plans** (initial, during implementation, post-project; use of appropriate tools)
- **Expertise in data handling** – using of EOSC CZ services (metadata schema, repositories, sensitive data, long-term preservation, IDs, sharing, SW tools)
- **Project preparation in line with OS requirements** (cost calculations, OS practices for EU/national programs)
- **Support for Open Access publishing** (funding, repository choice, predatory journals, OA models, funder compliance)



# Practical Support of Open Science

- **Facilitation of Citizen Science services** (tools for participant recruitment, cohort management)
- **Education and training in OS/FAIR Data** (researchers, students, admin, management)
- **Other areas according to faculty needs and emerging OS requirements** (Citizen Science, Open Source)
- **All activities** follow up on the MU Strategy developed in the previous activity





# KA 8 – Open Science (Strategy4MUNI)

**This year, we succeeded in obtaining funding from the Ministry of Education through  
the Jan Amos Komenský Operational Programme!**

- **Project Title:** Excellence in Research: Capacity Building and Strategic Management at MU (Strategy4MUNI)

**Reg. No.:** CZ.02.01.01/00/23\_026/0011442

**ISEP:** [Link](#)

- **Implementation period:** 1 Sept 2025 – 31 Aug 2028 (36 months)

**Main Activity Coordinator:** Institute of Computer Science (ICS), Marika Hrubá

**Coordination of methodology experts:** ICS



# What's next?

## September

- Establishment of the Data Stewards group at the university
- Continuation of training for the implementation group

## • October

- Starting the Lifelong Learning course: *Data Management for Advanced Data Stewards*

## • November

- Update of the Open Science Strategy
- Development of an Action Plan and extension to additional areas (*Open Source, Citizen Science*)



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# Questions?

Contact: [hruba@ics.muni.cz](mailto:hruba@ics.muni.cz)

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**Thank you for your attention!**