

NTK services for R&D&I community through supporting the adoption of EOSC and Open Science

EOSC Symposium, 17 Nov 2022, Prague

eva.hnatkova@techlib.cz



Overview

- Introduction to NTK
- National Data Infrastructure
- Metadata support
- National PID Centre
- New generation platform
- Outreach activities / Raise awareness

About me



[@EvaHnatkova](https://twitter.com/EvaHnatkova)

Eva Hnátková 

- Open Science coordinator at NTK and UCT Prague
- Implementation of European standards in the national R&D&I environment
- National Contact for Scientific Information

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NTK - National Library of Technology

- the largest and oldest library for science and technology in Czechia
- part of the national information infrastructure

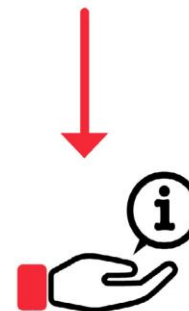
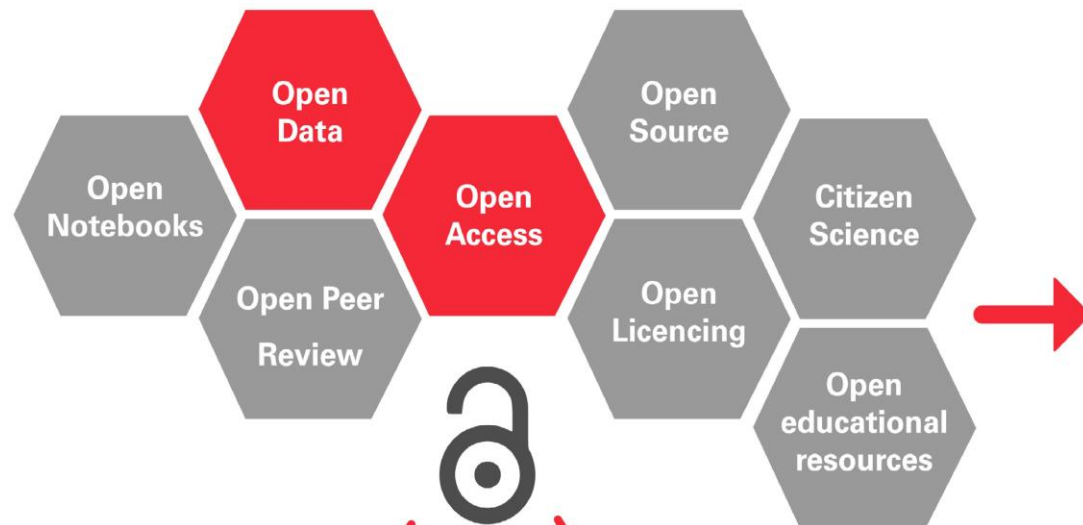
Primary function: providing scientific information resources and services

Target audience: students, academics, researchers, and the general public

Our motto "the library is a service"



Open Science – Otevřená věda





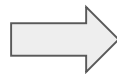


Czech Funders - OS requirements

Ministry of Education, Youth and Sports (MEYS)

- **200M€ - Programme EXCELES** - Excellent R&D in the Health Sector (National Recovery and Resilience Plan) - 5 Consorcial projects
 - Immediate and full OA, licence CC, DMP, FAIR data
- **320M€ - Excellent Research** (Programme Johannes Amos Comenius)
 - Immediate and full OA, licence CC, DMP, FAIR data, OS practices as part of evaluation criteria

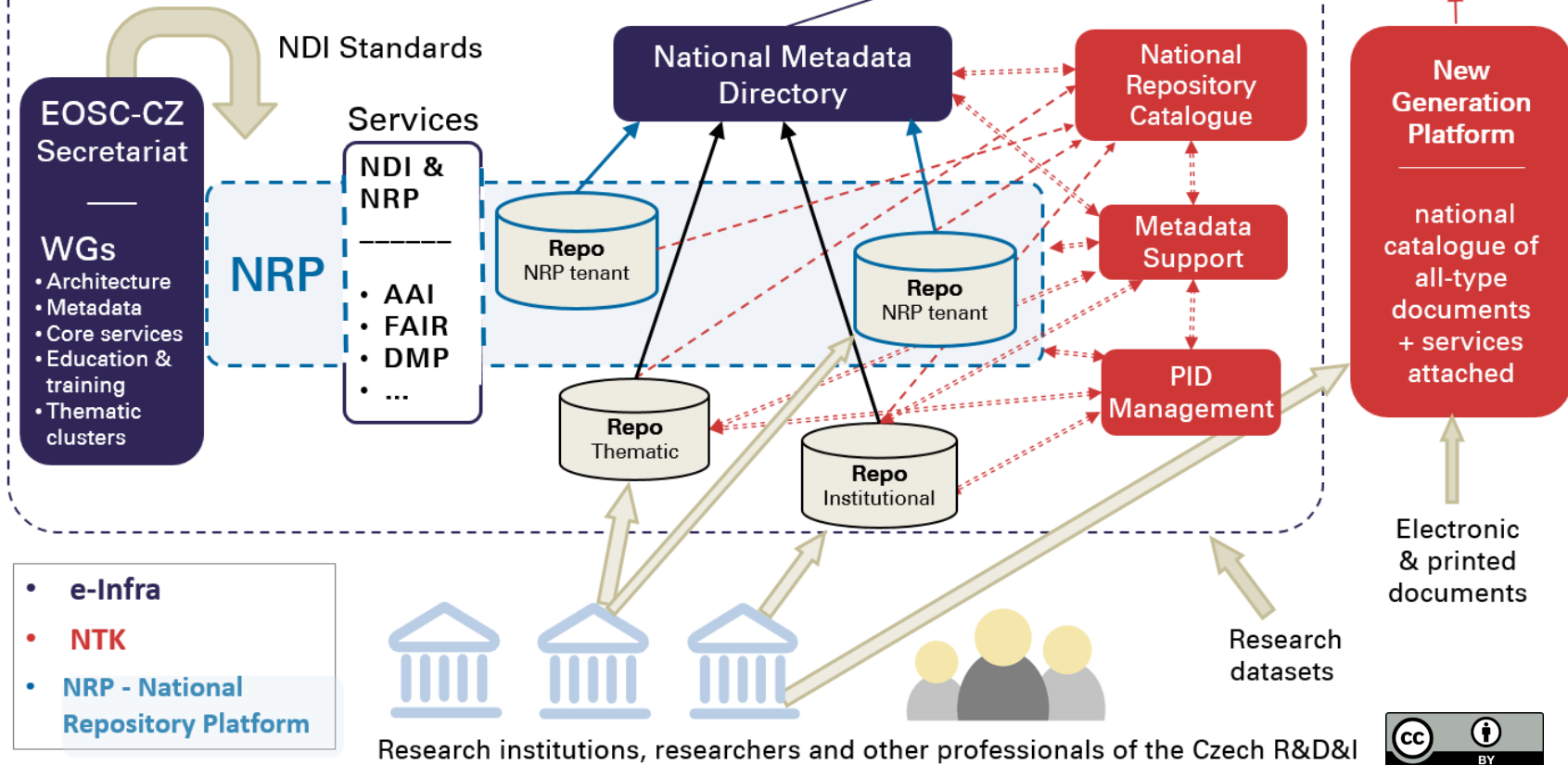
Guidelines for Open Science practices based on requirements and guidelines in Horizon Europe (in Czech only)



NTK - National projects

- **CzechELib** - Czech National Centre for Electronic Information Resources
50M€ project 2017-2022 (71% EU funds / 29% Czech funds) - centralised procurement of licensed EIRs - precondition for flipping to OA
- **NCIS RDI** - National Centre for Information Support of RDI
140M€ project 2021-2027 (100% Czech funds)
 - CzechELib - transition to Gold OA
 - National repository (Green OA), Implementation of European OS standards, ..
- **CARDS** - Czech Academic and Research Discovery Services - t/b approved
60M€ project 2023-2028 (EU Funds / Czech Funds)
 - Improving accessibility and sharing of all resource types
 - Metadata and PID support for National Data Infrastructure

National Data Infrastructure (NDI)



Metadata support

- **Dedicated department within NTK**
- Consultation point for the R&D&I community
- Funded from CARDS project

The aim: **increase interoperability between data repositories**, facilitate the transfer of metadata to the National Metadata Directory (EOSC-CZ project)

➤ **Basic metadata model for research data description**

(definition, modification, implementation in National Metadata Directory), metadata workflow settings and metadata models for subject clusters

- **National Repository Catalogue** - Operational information on repositories, their parameters and tools, technical capabilities and access policies of metadata exchange.

National PID Centre

in collaboration



**DataCite
Consortium
2023**

- **Dedicated department at NTK**
- Administrative, methodological and financial support
- Funded by CARDS project

**ORCID
Consortium 2023**
<http://orcid-cz.org/>

... and more in the **future**

New generation platform

- **Central library system** ⇒
 - Improve accessibility and sharing of all resource types
 - Efficient management and access to all document types (p-, e-, d-), data discovery and services for HEIs/RPOs libraries
 - Improve quality & efficiency of the UX
 - Funded from CARDS project
- **Central shared catalogue** - only one bibliographic record
- **AAI** (Authentication Authorisation Infrastructure), **IdM** (Identity Management), **SSO** (single sign on) - via eduid.cz
- **Central search portal** (optional institutional portals including specific "brand")
- **Platform for collection sharing** - interlibrary loan ([Získej](#))
- **Electronic information resources** (using [CzechELib](#))

Outreach activities - Awareness raising

Czech Open Science Day

EU Policy (K. Glinos)
Plan S (J. Rooryck)
Open Research Europe (R. Lawrence)
EOSC (K. Luyben)

25 May 2021, online stream

10:00 – 12:00 CET

Opening: P. Doleček, moderator: M. Svoboda



project
National Centre for Information Support of Research,
Development, and Innovation



ORCID in the Czech Republic: towards National consortium

29 Sep 2021, online

14:00 – 16:00 CEST

#researchinstitutions

#repositories

#funders

#universities

#publishers

#researchers



ORCID
Connecting Research
and Researchers



project
National Centre for Information Support of Research,
Development, and Innovation

728 × 150 px

Transferable Skills for Early-Career Researchers

Doctoral Candidates & Postdoctoral Researchers

NTK
50°6'14.083"N, 14°23'26.365"E
Národní technická knihovna
National Library of Technology



MINISTRY OF EDUCATION,
YOUTH AND SPORTS



**Doctoral
Summer School**
16 – 17 Sep 2022



#KRECon2019: Open Access

[#KRECon2021](#): Open Science

[#KRECon2022](#): Doctoral Schools

#KRECon2023: Research Assessment

#KRECon2024: EOSC Future



**Knowledge
Research
Education
Conference
2022**

10. – 11. 11. 2022

**Doctoral Schools:
Enhancing Research
Careers**

NTK^{2,5x} 4,5x

4x Národní technická knihovna
x National Library of Technology

Technická 6, Praha 6



KRECon 2021: Open Science - Challenges and Opportunities

CoARA - signatories of the Agreement



Czech Academy of Sciences

[website →](#)



Brno University of Technology

[website →](#)



Masaryk University

[website →](#)



National Library of
Technology

[website →](#)



University of Chemistry and
Technology Prague

[website →](#)



J. Heyrovský Institute of
Physical Chemistry of the
Czech Academy of Sciences

[website →](#)



Czech Science Foundation

[website →](#)



Charles University

[website →](#)

Engagement with international stakeholders



The European Council of Doctoral
Candidates and Junior Researchers



NTK

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National Library of Technology



**OPEN SCIENCE:
JUST
SCIENCE
DONE RIGHT**

Eva Hnatkova, PhD

eva.hnatkova@techlib.cz

openscience@techlib.cz

Source (picture) [Melanie Imming & Jon Tennant](#)