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

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

@EvaHnatkova

eva.hnatkova@techlib.cz
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

Open Data
Open Source
Citizen Science
Open Licencing
Open educational resources

Sources
Evaluation
Planning
Sharing
Experiment
Writing

Czech LIB
Repo
Národní rezervace
One-Stop-Shop
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
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

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

DataCite Consortium 2023

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

ORCID in the Czech Republic: towards National consortium
29 Sep 2021, online
14:00 – 16:00 CEST

Transferable Skills for Early-Career Researchers
Doctoral Candidates & Postdoctoral Researchers
16 – 17 Sep 2022
#KRECon2019: Open Access
#KRECon2021: Open Science
#KRECon2022: Doctoral Schools
#KRECon2023: Research Assessment
#KRECon2024: EOSC Future
## CoARA - signatories of the Agreement

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<td>J. Heyrovský Institute of Physical Chemistry of the Czech Academy of Sciences</td>
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Engagement with international stakeholders
Eva Hnatkova, PhD

eva.hnatkova@techlib.cz

openscience@techlib.cz

Source (picture) Melanie Imming & Jon Tennant