

MUNI
ICS

Workshop FF MU

Data Management Planning – nejen teorie, ale i praxe

Michal Růžička, ÚVT MU
ruzicka@ics.muni.cz

2024-05-02

Anotace

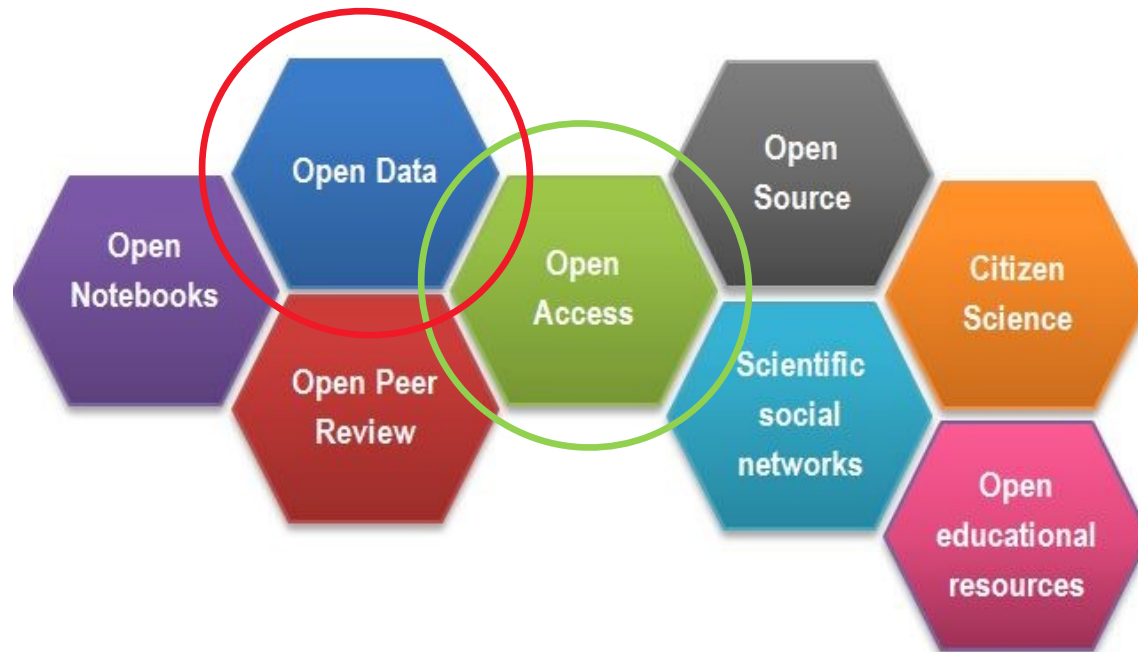
Přednáška se zaměří na tematiku **plánování správy výzkumných dat** a popíše změnu vědeckého přístupu ke správě dat ve smyslu **‘Od Data Management Planu po Data Management Planning’**. V úvodní teoretické části se přednáška krom plánování správy dat dotkne také tématu **FAIRifikace dat**, tj. plnění principů Findable – Dohledatelnost, Accessible – Přístupnost, Interoperable – Interoperabilita a Reusable – Znovuvyužitelnost, jako součásti procesu správy dat, včetně uvedení některých **nástrojů**, které nám mohou plnění FAIR principů ve výzkumu pomoci. Následovat bude **praktické předvedení práce s** vybranými **nástroji** pro Data Management Planning, zejména **univerzitní instance nástroje Data Stewardship Wizard (DSW MUNI)**.

Obsah přednášky

1. Kontext
2. Životní cyklus výzkumných dat
3. FAIR principy
4. DMPlanning vs. DMPlan
5. DSW MUNI Demo
6. Nástroje a zdroje pro podporu FAIR principů
7. Persistentní identifikátory (PIDs)

Kontext

Schéma Open Science



Zdroj: <https://www.fosteropenscience.eu/node/1420>

Politika Open Access

- **OA1:** Uchovávání vědeckých publikací MU
- **OA2:** Zvýšení dostupnosti vědeckých publikací MU

Specializovaná podpora pro rozvoj Open Access

- **OA3:** Repozitář MU
- **OA4:** Vydávání otevřených publikací

Financování Open Access

- **OA5:** Fond OA MU
- **OA6:** Adaptace EIZ na transformační model

Politika FAIR Data

- **FD1:** Strategie pro správu a zpřístupňování výzkumných dat MU
- **FD2:** Evidence výzkumných dat

Specializovaná podpora pro rozvoj FAIR Data

- **FD3:** Datový repozitář MU
- **FD4:** Podpora pro správu a zpřístupňování výzkumných dat

Infrastruktura FAIR Data

- **FD5:** Infrastruktura pro výzkumná data

Podpora pro vědce

- **OS1:** DMP+
- **OS2:** Lidské zdroje
- **OS3:** Vzdělávání a informovatnost
- **OS4:** Služby Open Science

Interní procesy

- **OS5:** Politiky na jednotlivých HS
- **OS6:** Open Science v kontextu evaluace vědy
- **OS7:** Open Science a grantová schémata MU

Standardy

- **OS8:** DOI
- **OS9:** ORCID
- **OS10:** OpenAIRE
- **OS11:** AOAP, ACAN

Spolupráce

- **OS12:** Národní iniciativy
- **OS13:** Mezinárodní iniciativy

Open Science a projekty

– Podmínky:

- Horizon Europe
- Exceles
- OP JAK – Špičkový výzkum

– Povinné/nepovinné principy

- **Povinné**: Open Access, Data Management (DMP)
- **Nepovinné**: Citizen Science, Open Source, Preprints, ...

Životní cyklus výzkumných dat

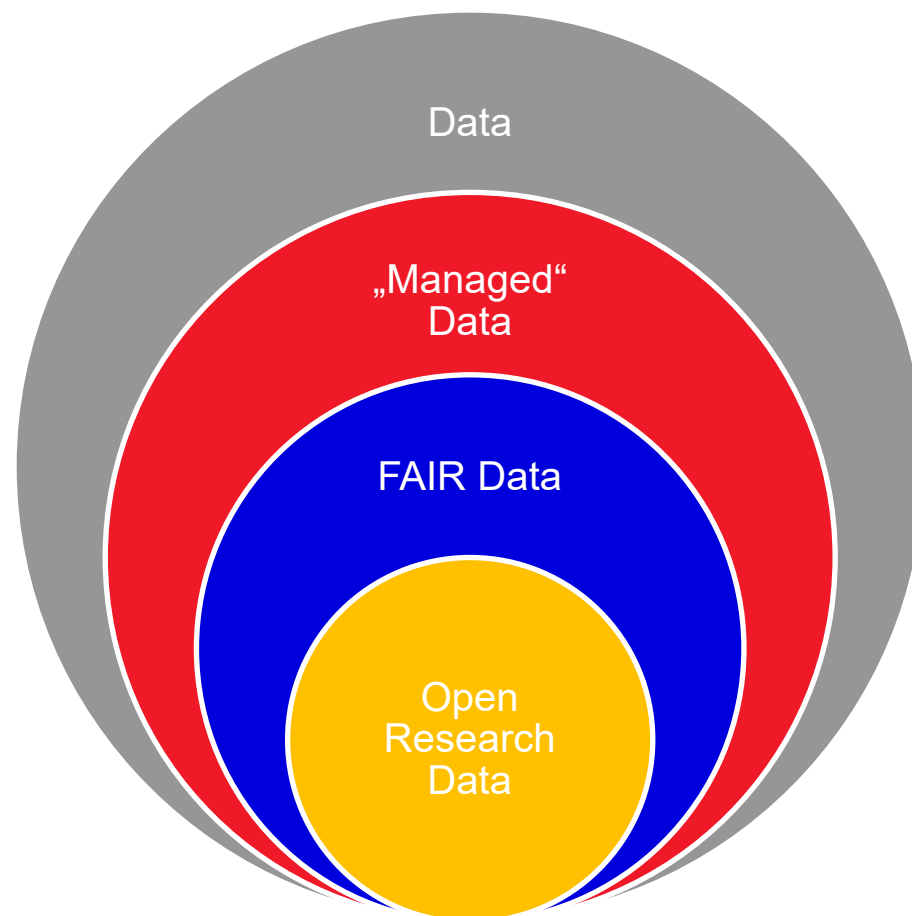
Životní cyklus výzkumných dat



- Jaká data (znovu) používáte
 - včetně licencí, které vám to umožňují,
- jaká data generujete a jakým způsobem,
- kde je ukládáte, zálohujete, dlouhodobě uchováváte,
- jak je trvale a jedinečně identifikujete,
- jak je zpracováváte,
- jak je analyzujete,
- kde je zveřejňujete a sdílíte,
- kdo tohle všechno zaplatí;
- o čem data skutečně jsou,
- k čemu jsou data (ne)vhodná,
- kdo může data znovu použít,
- jaká konkrétní data podporují vaše výsledky,
- jak je použít pro opakování vašich experimentů atd.

Zdroj: ELIXIR RDMkit, <https://rdmkit.elixir-europe.org/>

Úrovně dat



MUNI
ICS

FAIR principy

FAIR principy – Findable

The first step in (re)using data is to find them. Metadata and data should be **easy to find** for both **humans** and **computers**. **Machine-readable metadata** are essential for automatic discovery of datasets and services, so this is an essential component of the [FAIRification process](#).

- *F1. (Meta)data are assigned a **globally unique and persistent identifier**.*
- *F2. Data are described with **rich metadata** (defined by R1 below).*
- *F3. **Metadata** clearly and **explicitly include the identifier** of the data they **describe**.*
- *F4. (Meta)data are **registered** or **indexed** in a **searchable resource**.*

Zdroj: GO FAIR, <https://www.go-fair.org/fair-principles/>

FAIR principy – Accessible

Once the user finds the required data, she/he/they need to know how can they be accessed, possibly including authentication and authorisation.

- A1. (Meta)data are *retrievable by their identifier using a standardised communications protocol*.
 - A1.1 The *protocol is open, free, and universally implementable*.
 - A1.2 The *protocol allows for an authentication and authorisation procedure, where necessary*.
- A2. *Metadata are accessible, even when the data are no longer available*.

Zdroj: GO FAIR, <https://www.go-fair.org/fair-principles/>

FAIR principy – Interoperable

The data usually need to be **integrated with other data**. In addition, the data need to **interoperate with applications** or **workflows** for analysis, storage, and processing.

- I1. (Meta)data use a **formal, accessible, shared, and broadly applicable language for knowledge representation**.
- I2. (Meta)data use **vocabularies that follow FAIR principles**.
- I3. (Meta)data **include qualified references to other (meta)data**.

Zdroj: GO FAIR, <https://www.go-fair.org/fair-principles/>

FAIR principy – Reusable

The ultimate goal of FAIR is to optimise the **reuse of data**. To achieve this, metadata and data should be **well-described** so that they can be replicated and/or combined in different settings.

- *R1. (Meta)data are richly **described with a plurality of accurate and relevant attributes**.*
 - *R1.1. (Meta)data are released with a clear and accessible **data usage license**.*
 - *R1.2. (Meta)data are associated with **detailed provenance**.*
 - *R1.3. (Meta)data meet **domain-relevant community standards**.*

Zdroj: GO FAIR, <https://www.go-fair.org/fair-principles/>

FAIR data – časté otázky

- „*I když mám zkušenost s DMP, stále mi není zcela jasný jeho **skutečný účel** a jaký bude mít **přínos pro naši skupinu.**“*
- Uvědomění si, že **data** jsou „občané první kategorie“.
- **Data vyžadují péči** – váš **výzkum** kriticky závisí na **podkladových datech**.
- Jednou vyprodukovaná **užitečná data** by měla **sloužit dlouhodobě**, **neměla by zmizet** / stát se **nesrozumitelnými s koncem** výzkumného projektu.
- **DMP** by měl být **zejména onen proces**, který **pomáhá plánovat a provádět správu dat**; **neměl** by to být primárně **DMP dokument** pro grantovou agenturu.

FAIR data – časté otázky (2)

- „*V jaké ‚kvalitě‘ by měla být sdílena výzkumná data? Raw data? Vyčištěná data? Analyzovaná data? Agregovaná data?*“
 - Pokud byste byli **vy v roli příjemců** těchto dat, **jaká data byste chtěli dostat**, aby pro vás byla **srozumitelná** a **užitečná** pro **další použití**?
 - Posuzujte **individuálně pro každý dataset** a sdílejte v této úrovni „kvality“.

DMPlanning vs. DMPlan

DMPlanning vs. DMPlan

1. Data Management Planing

„**Proces** plánování, popisu a informování o životním cyklu dat a **činností** spojených s jejich správou v průběhu výzkumu.“

2. Data Management Plan (DMP)

„**Dokument**, který **popisuje** tyto **činnosti** (dokumenty často vyžadují poskytovatelé dotací či grantů).“

Zdroj: Petra Dědičová, Data management a jak psát data management plan
<https://www.slideshare.net/butlibrary/data-management-a-jak-psat-data-management-plan-41441697>

DMP jako projektová podmínka

- DMP je stále častěji vyžadován jako standardní součást podání/řešení/finalizace projektů.
- Např. Horizon Europe požaduje
 - iniciální DMP,
 - aktualizace DMP uprostřed projektu,
 - finální revize DMP na konci projektu.
- DMP je živý dokument – měl by být průběžně aktualizován po celou dobu projektu.
- Obdobně v OP JAK, Exceles; nově i v TAČR a očekáváme i GAČR od roku 2023, nejpozději 2024.

– Tip: *Horizon Europe Open Science Requirements in Practice*

– OpenAIRE webinar, 13. 3. 2023

– Slajdy:

<https://doi.org/10.5281/zenodo.7324363>




Nástroje pro tvorbu DMP

- **Sdílený dokument** (Google Docs, Office 365 Word, Overleaf, ...).
 - Podporuje zejména přípravu DMP dokumentu.
- **Specializovaný software**, typicky webová aplikace umožňující spolupráci.
 - Dle míry sofistikovanosti může podporovat nejen tvorbu DMP dokumentu, ale také samotný proces správy výzkumných dat.


Data Stewardship Wizard

<https://ds-wizard.org/>

DS Wizard

My Experiment   

[Questionnaire](#) [Metrics](#) [Preview](#) [Documents](#) [Settings](#)

View [Import answers](#) Comments **4** TODOs **1** [Version history](#) 

Projects

- List
- Importers

Documents

- Settings

Albert Einstein
Admin

« Collapse sidebar

Current Phase

Before Submitting the Proposal



Chapters

- I. Administrative information 1
- II. Re-using data 4
- III. Creating and collecting data 7
- IV. Processing data 4**
- V. Interpreting data 2
- VI. Preserving data 4
- VII. Giving access to data 3

IV. Processing data

In the processing phase, the data will be undergoing the mostly automated steps for processing, before the analysis and interpretation.


In this chapter, many questions are focusing on the compute environment that is used to process the data and make it available for interpretation by project partners. Some of those questions (e.g. on workflow systems and data provenance) are also relevant for the work in the interpretation phase.


1 Will you be using a shared working space to work with your data?   1 comments


[Horizon 2020 DMP](#) [Horizon Europe DMP](#) [Science Europe DMP](#)

Will you be using a working space containing data and software specific to the project that is shared between all the people working on the data in the project? Sometimes such a system is called a *Virtual Research Environment*.



Desirable: Before Submitting the Proposal

a. No, participants in the project each have different collections of data and tools 

b. Yes 

 Clear answer

Answered 5 minutes ago by Albert Einstein.

1.b.1 Will this work space be run by dedicated specialists? TODO  


If your work space is run and maintained by specialists, e.g. the ICT department of one of the institutes involved in the projects, this means that backup and restore as well as access management is properly addressed.

Desirable: Before Submitting the DMP

Named versions only

October 2022


▼ 4. 10.


9:38 

Current 1.0.0

Will this work space be run by dedicated specialists?


Yes


 Albert Einstein

9:38 


Will you be using a shared working space to work with your data?


Yes


 Albert Einstein

9:37 

Data format/type

 XML Query Language

 Albert Einstein

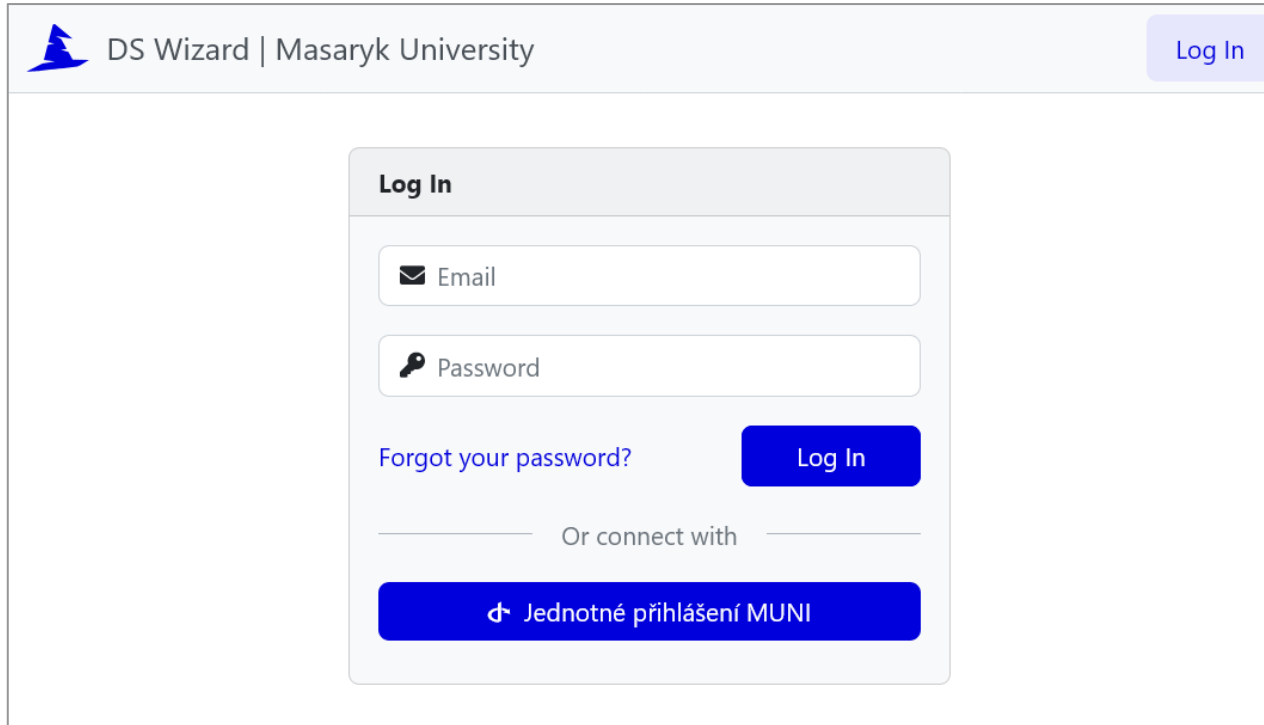
9:34 

Cleared reply of Data set:

MUNI
ICS

DMP: DSW & INET MUNI

DSW MUNI – naše univerzitní instance DSW



DS Wizard | Masaryk University Log In

Log In

Email

Password

[Forgot your password?](#) Log In

Or connect with

↗ Jednotné přihlášení MUNI

<https://dsw.muni.cz/>

[\(návod na používání\)](#)

DSW MUNI – naše univerzitní instance DSW

The screenshot shows the DSW MUNI interface for a DMP example titled "Integration of RNA Biology for Next-Generation Scientists (INTEG-RNA)". The interface is divided into a sidebar and a main content area.

Sidebar:

- DSW MUNI
- Knowledge Models
- Projects
 - List
 - Importers
- Document Templates
- Michal Růžicka, Data Steward
- Collapse sidebar

Main Content Area:

DMP Example: Integration of RNA Biology for Next-Generation Scientists (INTEG-RNA)

Questionnaire | Metrics | Preview | Documents | Settings

View | Warnings | Comments | TODOs | Version history

Current Phase: Before Submitting the Proposal

Chapters:

- I. Administrative information ✓
- II. Re-using data ✓
- III. Creating and collecting data ✓
- IV. Processing data ✓
- V. Interpreting data ✓
- VI. Preserving data ✓
- VII. Giving access to data 1

2.a.2 Is this a standard data format widely used by researchers in this field?

Horizon 2020 DMP

Desirable: Before Submitting the DMP

a. No **Interoperability**

b. Yes **Interoperability**

Clear answer

Answered 5 months ago by Michal Růžicka.

2.a.3 Does this data format enable sharing and long term archiving?

Horizon 2020 DMP

Complicated (binary) file formats tend to change over time, and software may not stay compatible with older versions. Also, some formats (e.g. DOC, XLS) hamper long term usability by making use of patents or being hampered by restrictive licensing.

Ideally a format should be simple, text only, completely described, not restricted by copyrights, and implemented in different software packages.

Desirable: Before Submitting the Proposal

a. No

b. Yes **Interoperability**

Clear answer

Answered 5 months ago by Michal Růžicka.

2.a.4 What volume of data of this type will you be working with?

Horizon 2020 DMP

Desirable: Before Submitting the Proposal

a. So small that it is not a problem

b. I can specify the total amount

c. I can specify the number of files/subjects and the size of each

Clear answer

Answered 5 months ago by Michal Růžicka.

+ Add

3 What existing encodings/terminologies/vocabularies/ontologies will you be using?

DSW MUNI integrační API

O aplikaci

Kopíř

Klient

Verze v4.4.0~f9d9c7a

Sestaveno 5. 3. 2024, 10:28

Server

Verze v4.4.0~0f8e9e5e

Sestaveno 5. 3. 2024, 10:28

URL API <https://dsw.muni.cz:3443/wizard-api>

Dokumentace API <https://dsw.muni.cz:3443/wizard-api/swagger-ui/>

Document Worker

Verze v4.4.0~aa087a1

Sestaveno 5. 3. 2024, 9:57

Mailer

Verze v4.4.0~aa087a1

Sestaveno 5. 3. 2024, 9:57

OK

Uložit Kopířovat Sbalit vše Rozbalit vše Filtr JSON

```
builtAt: "2024-03-05T08:28:50Z"
components:
  0:
    builtAt: "2024-03-05T07:57:32Z"
    createdAt: "2023-04-19T14:38:40.289504Z"
    name: "Mailer"
    updatedAt: "2024-03-08T14:39:55.809537Z"
    version: "v4.4.0~aa087a1"
  1:
    builtAt: "2024-03-05T07:57:42Z"
    createdAt: "2023-04-19T14:38:40.346442Z"
    name: "Document Worker"
    updatedAt: "2024-03-08T14:39:56.319526Z"
    version: "v4.4.0~aa087a1"
name: "Engine Wizard"
version: "v4.4.0~0f8e9e5e"
```

The screenshot shows the Swagger UI for the DSW MUNI API. The left sidebar lists various endpoints, and the main area displays the details for the selected endpoint. The endpoints listed include:

- PUT /document-templates/{documentTemplateId}
- GET /document-templates/{documentTemplateId}/bundle
- POST /document-templates/{documentTemplateId}/put1
- Document (Section Header)
- GET /documents
- POST /documents
- DELETE /documents/{docId}
- GET /documents/{docId}/available-submission-services
- GET /documents/{docId}/download

The main area shows the details for the selected endpoint, including parameters and responses.

Parameters

Name	Description
Authorization	Authorization
Host	Host
docUuid	docUuid

Responses

Code	Description
200	Example Value: Model
400	Invalid docId or Host or Authorization

DSW MUNI – integrace s INET MU

- Editor realizovaných projektů v INET:
<https://inet.muni.cz/app/proj/projektlist>
- → vybrat projekt → záložka *Výsledky a DMP*

Základní údaje **Popis** **Příjemci/Partneři** **Lidé** **Rozpočet** **Ekonomika** **Dokumenty** **Schvalování** **Události/úkoly** **Výsledky a DMP** **Audity** **Práva**

Data Management Plan (DMP)

Vytvořit nový DMP Připojit existující DMP

Název	Popis	DMP UUID
		3b8ec4f0-311e-4b53-8b12-b326f64bd093

Vytvořit DMP

Název: Project devel DMP

Popis:

Uložit Zavřít

Připojit existující DMP

DMP (výběr nebo dle UUID)

- Vyberte položku (celkem 11) --
- Vyberte položku (celkem 11) --
- Creating a Robust Accessible Federated Technology for Open Access (UUID: 3b8ec4f0-311e-4b53-8b12-b326f64bd093)
- Cyber-security Excellence Hub in Estonia and South Moravia (CHES) (UUID: 6d8b30cb-fdfb-42c0-a054-ca787432eac)
- DMP Example: Alliance for Life Sciences: From Strategies to Actions in Central and Eastern Europe (A4L_ACTIONS) (UUID: 6e1d7ddb-a462-4c53-a4d4-17b75c69908c)
- DMP Example: Ashy layers: Monjukil Depe (UUID: a31c0d52-76f6-45dd-9e9f-8c3cb110719b)
- DMP Example: Genetic and Community Diversity for Plant Stress Resilience (GENCOVER) (UUID: 6e7bed40-b7f2-4691-9da6-5ae2407d7f18)
- DMP Example: Integration of RNA Biology for Next-Generation Scientists (INTEG-RNA) (UUID: 13d299cb-482a-4cb8-aaaf-8ef57b7e4bc2)
- DMP Example: Investigating the transcriptional regulation of auxin biosynthesis in Arabidopsis embryo (ITRABAE) (UUID: ea3f0803-0c2a-4f31-ac04-7b2da4d848be)
- DMP Example: Neolithic Settlements Analysis (UUID: 2af2429e-0ad9-470d-afbe-49365c90de33)
- DMP Example: VŠCHT DMP Example – DSW-Horizon Europe (UUID: a3cdc700-79fd-4de2-b63b-b6aaaf47b4ca)
- Demo DMP pro OS metodiky (UUID: 9fde6c3-e452-498b-b1dd-8be56fdab006)
- National Institute of Virology and Bacteriology (NIVB) - Roman Pantůček (UUID: 740af890-6046-4415-8df8-ce94dc9d1a36)

“In preparing for battle
I have always found that
plans are useless,
but planning is indispensable” ...

— Dwight D. Eisenhower

Ukázkové DMP

- University of Vienna's Phaidra repository – mnoho stovek veřejně dostupných Horizon 2020 DMP: <https://hdl.handle.net/11353/10.1140797>
- DMPonline: https://dmponline.dcc.ac.uk/public_plans
- Argos:
 - DMP: <https://argos.openaire.eu/explore-plans>
 - Datové sady: <https://argos.openaire.eu/explore>

University of Vienna's Phaidra Repository – DMP Collection Overview

Phaidra_link	document_title	document_description	project_id	project_acronym	project_title	cordis_project_link	project_start
https://phaidra.univie.ac.at/o:1139130	Data management plan	Data management plan providing a detailed outline of APPLICATE data management strategy, includi	727862	APPLICATE	Advanced Prediction in Polar regions and beyond: Modelling, observing system design and Linkages	https://cordis.europa.eu/project/id/727862	2016
https://phaidra.univie.ac.at/o:1139131	D7.1 Data Management Plan & Handbook	This deliverable describes internal quality assurance and communication procedures & will also include	780298	Made4You	Open and Inclusive Healthcare for Citizens Based on Digital Fabrication	https://cordis.europa.eu/project/id/780298	2018
https://phaidra.univie.ac.at/o:1139132	Data management plan	This deliverable comprises the project data management plan.	642018	GREEN-WIN	Green growth and win-win strategies for sustainable climate action	https://cordis.europa.eu/project/id/642018	2015
https://phaidra.univie.ac.at/o:1139133	Data Management Plan (DPM) V1	The DPM comprises the provision for making the project data findable, accessible, interoperable and i	769255	SAFEWAY	GIS-BASED INFRASTRUCTURE MANAGEMENT SYSTEM FOR OPTIMIZED RESPONSE TO EXTR	https://cordis.europa.eu/project/id/769255	2018
https://phaidra.univie.ac.at/o:1139134	Data Management Plan	Data Management Plan for the data generated by Slidewiki platform. This plan will include the suitable	688095	SlideWiki	Large-scale pilots for collaborative OpenCourseWare authoring, multiplatform delivery and Learning A	https://cordis.europa.eu/project/id/688095	2016
https://phaidra.univie.ac.at/o:1139135	Data Management Plan	Data Management Plan	723855	COROMA	Cognitively enhanced robot for flexible manufacturing of metal and composite parts	https://cordis.europa.eu/project/id/723855	2016
https://phaidra.univie.ac.at/o:1139136	Data management plan (DMP) based on data policies of I	A first version of the data management plan for CALIPSOplus is available	730872	CALIPSOplus	Convenient Access to Light Sources Open to Innovation, Science and to the World	https://cordis.europa.eu/project/id/730872	2017
https://phaidra.univie.ac.at/o:1139137	Data Management Plan	This Deliverable will describe how to cope with the Data Management Plan Pilot as described in Artic	688188	MURAB	MRI and Ultrasound Robotic Assisted Biopsy	https://cordis.europa.eu/project/id/688188	2016
https://phaidra.univie.ac.at/o:1139138	Data Management Plan	Data Management Plan will be submitted in M6 and checked and updated for M36 and as appropriate	686865	BREAKBEN	Breaking the Nonuniqueness Barrier in Electromagnetic Neuroimaging	https://cordis.europa.eu/project/id/686865	2016
https://phaidra.univie.ac.at/o:1139139	Data Management Plan	WP1 will produce a Data Management Plan in M6.	675451	CompBioMed	A Centre of Excellence in Computational Biomedicine	https://cordis.europa.eu/project/id/675451	2016
https://phaidra.univie.ac.at/o:1139140	OROP: Data Management Plan	This Deliverable will describe how to cope with the Data Management Plan Pilot as described in Artic	688188	MURAB	MRI and Ultrasound Robotic Assisted Biopsy	https://cordis.europa.eu/project/id/688188	2016
https://phaidra.univie.ac.at/o:1139141	A data management plan for the Icelandic RIF station in c	A data management plan for the Icelandic RIF station in connection with ABDS for the selected focal e	730938	INTERACT	International Network for Terrestrial Research and Monitoring in the Arctic	https://cordis.europa.eu/project/id/730938	2016
https://phaidra.univie.ac.at/o:1139142	Data management plan	The data management plan describes how existing and newly generated data are processed, manage	733032	HBM4EU	European Human Biomonitoring Initiative	https://cordis.europa.eu/project/id/733032	2017
https://phaidra.univie.ac.at/o:1139143	First version of the Data Management Plan	Report on First version of the Data Management PlanThe progress of the implementation of Data Mar	642154	FISSAC	FOSTERING INDUSTRIAL SYMBIOSIS FOR A SUSTAINABLE RESOURCE INTENSIVE INDUSTRY	https://cordis.europa.eu/project/id/642154	2015
https://phaidra.univie.ac.at/o:1139144	Data Management plan - M12	Data Management plan - yearly updateThis is a document outlining how the research data collected o	654650	Residue2Heat	Renewable residential heating with fast pyrolysis bio-oil	https://cordis.europa.eu/project/id/654650	2016
https://phaidra.univie.ac.at/o:1139145	Data management plan	This report exposes the Open Data Management Plan and Open Research Data Pilot preparation and	731148	INVADE	Smart system of renewable energy storage based on INtegrated EVs and bAtteries to empower mob	https://cordis.europa.eu/project/id/731148	2017
https://phaidra.univie.ac.at/o:1139146	Data Management plan - M24	Data Management plan - yearly updateThis is a document outlining how the research data collected o	654650	Residue2Heat	Renewable residential heating with fast pyrolysis bio-oil	https://cordis.europa.eu/project/id/654650	2016
https://phaidra.univie.ac.at/o:1139147	Project Management, Quality and Risk Plan	Includes plans for project management(also a detailed data management plan), quality and risk manag	740698	MARISA	Maritime Integrated Surveillance Awareness	https://cordis.europa.eu/project/id/740698	2017
https://phaidra.univie.ac.at/o:1139148	Data management plan	Data Management plan, including publication policy and Intellectual Property Rights (IPR).	641762	ECOPOTENTIAL	ECOPOTENTIAL: IMPROVING FUTURE ECOSYSTEM BENEFITS THROUGH EARTH OBSERVATI	https://cordis.europa.eu/project/id/641762	2015
https://phaidra.univie.ac.at/o:1139149	INTERACT Data Management Plan	INTERACT Data Management Plan	730938	INTERACT	International Network for Terrestrial Research and Monitoring in the Arctic	https://cordis.europa.eu/project/id/730938	2016
https://phaidra.univie.ac.at/o:1139150	Data management plan	This deliverable will deliver the data management plan produced within DataBio, following the EC reco	732064	DataBio	Data-Driven Bioeconomy	https://cordis.europa.eu/project/id/732064	2017
https://phaidra.univie.ac.at/o:1139151	Data Management Plan (v1)	First version of the Data Management Plan	740712	COMPACT	Competitive Methods to protect local Public Administration from Cyber security Threats	https://cordis.europa.eu/project/id/740712	2017
https://phaidra.univie.ac.at/o:1139152	Data management plan	Data management plan	730403	INNOPATHS	Innovation pathways, strategies and policies for the Low-Carbon Transition in Europe	https://cordis.europa.eu/project/id/730403	2016
https://phaidra.univie.ac.at/o:1139153	Admin: Data management plan	Data management plan (3)	722346	EUROPAPH	The Extensive and Ubiquitous Role of Polycyclic Aromatic Hydrocarbons (PAHs) in Space	https://cordis.europa.eu/project/id/722346	2016
https://phaidra.univie.ac.at/o:1139154	Data Management Plan	"The Data Management Plan is developed as part of the "Clearing House" (Task 2.4). The purpose o	731289	InterFlex	Interactions between automated energy systems and Flexibilities brought by energy market players	https://cordis.europa.eu/project/id/731289	2017
https://phaidra.univie.ac.at/o:1139155	FAIR Data Management Plan	FAIR (findable, accessible, interoperable and reusable) Data Management Plan defining collection, tre	776465	RURITAGE	Rural regeneration through systemic heritage-led strategies	https://cordis.europa.eu/project/id/776465	2018
https://phaidra.univie.ac.at/o:1139156	Data Management plan	Data Management plan	766840	COSY-BIO	Control Engineering of Biological Systems for Reliable Synthetic Biology Applications	https://cordis.europa.eu/project/id/766840	2017
https://phaidra.univie.ac.at/o:1139157	First Updated Data Management Plan	The project data management plan will be developed during the first six months of the project and sho	730944	RINGO	Readiness of ICOS for Necessities of Integrated Global Observations	https://cordis.europa.eu/project/id/730944	2017
https://phaidra.univie.ac.at/o:1139158	Open Data Management Plan	Open Data Management Plan	770143	ReFreeDrive	Rare Earth Free e-Drives featuring low cost manufacturing	https://cordis.europa.eu/project/id/770143	2017
https://phaidra.univie.ac.at/o:1139159	Initial Data Management Plan (DMP)	The project data management plan will be developed during the first six months of the project and sho	730944	RINGO	Readiness of ICOS for Necessities of Integrated Global Observations	https://cordis.europa.eu/project/id/730944	2017
https://phaidra.univie.ac.at/o:1139160	Open Research Data Pilot Management Plan	Report on the Open Research Data Management Plan for WEARPLEX	825339	WEARPLEX	Wearable multiplexed biomedical electrodes	https://cordis.europa.eu/project/id/825339	2019
https://phaidra.univie.ac.at/o:1139161	Data Management Plan	Development (and regular updating) of a Data Management Plan (DMP) outlining the project's policy t	838335	Net4Society5	National Contact Points (NCPs) Network of Societal Challenge 6 Europe in a changing world – includ	https://cordis.europa.eu/project/id/838335	2019
https://phaidra.univie.ac.at/o:1139162	Data Management Plan (DMP)	Data Management Plan (DMP)	780839	MOLOKO	Multiplex pH/Optic sensor for pLasmicon-based Online detection of contaminants in milk	https://cordis.europa.eu/project/id/780839	2018
https://phaidra.univie.ac.at/o:1139163	Data Management Plan	DB 6 : Data Management plan	736937	M-CUBE	MetaMaterials antenna for ultra-high field MRI	https://cordis.europa.eu/project/id/736937	2017
https://phaidra.univie.ac.at/o:1139164	Data Management Plan	Data Management Plan: Report on consortium Data Management Plan finished, detailing what data th	736899	MagnaPharm	Magnetic Control of Polymorphism in Pharmaceutical Compounds	https://cordis.europa.eu/project/id/736899	2017

<https://hdl.handle.net/11353/10.1159821>

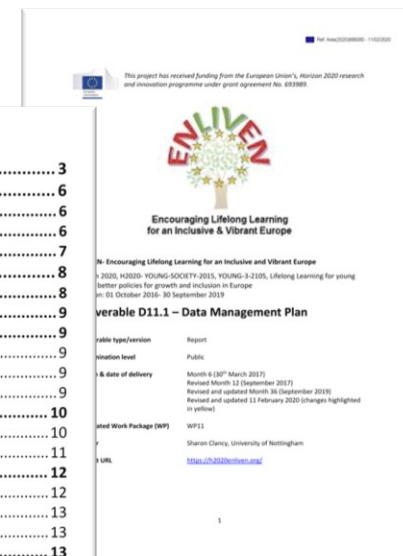
MUN
ICS

ENLIVEN ('Encouraging Lifelong Learning for an Inclusive and Vibrant Europe') Data Management Plan

- <https://hdl.handle.net/11353/10.1139743>
- Oblast **sociálních věd**.
 - Audio a video data, přepisy **rozhovorů**.
 - Omezení **přístupu** k datům.
- Využití **existujících dat** + sběr **vlastních**.
- **Průběžná aktualizace DMP**
 - Přehled změn v tabulce.
 - Migrace (některých) dat do UK.
 - Ukládání v MS O365 Teams (šifrované).
- **Etika** popsána v **samostatném dokumentu**, z DMP jen **odkázána**.
- Spolupráce více institucí → **rozdělení odpovědnosti**, explicitní **vymezení**, kdo je za co **odpovědný**.
 - Odkaz na využívání institucionální podpory pro DMP, pokud si nebudou jisti.
- **Pěkný popis ochrany dat**.
 - Informace o anonymizaci v příloze.
- Dokumentace a výstupní **publikace** (včetně webových stránek) **součástí DMP**.
- Popis hardware a software by mohl být **podrobnější**.
 - Ale popis zálohování je přítomen.
- **Vyjasněna autorská práva**, proces **QA**.

Table of Contents

1	Changes to Data Management Plan (D11.1) – September 2019.....	3
2	Introduction	6
2.1	Project Summary.....	6
2.2	Types of Data	6
2.3	Organisation of the ENLIVEN project.....	7
3	Data Management.....	8
3.1	Principles	8
3.2	Organisation	9
3.3	Types of Data	9
3.3.a	Aggregated secondary statistical data	9
3.3.b	Secondary data in form of anonymised micro data sets:	9
3.3.c	Primary data collection	9
3.4	Data Use and Protection.....	10
3.4.a	Secondary analysis of EUROSTAT and related scientific-use micro data files	10
3.4.b	Interview Transcription and Data Protection	11
3.5	Documentation	12
3.5.a	Documentation Reports.....	12
3.5.b	Project Management Documents	13
3.5.c	Website	13
3.6	Hardware and Software.....	13
3.6.a	Intelligent Decision Support System	13
3.6.b	Data Backup and Recovery	13
3.7	Intellectual Property and Ownership	13
3.7.a	Intellectual Property	13
3.7.b	Joint ownership.....	14
3.8	Open Access.....	14
3.9	Quality Assurance.....	14
4	Work-Package-specific Data Issues.....	15
4.1	WP1: Mapping European and national policies and programmes, and their contribution to economic and social inclusion	15
4.2	WP2: Constraints and facilitators of access and participation	15
4.3	WP3: The role of European governance in adult education & learning policy	15
4.4	WP4: Improving our understanding of the effect of system characteristics by building stronger data and adding a longitudinal, regional & sectoral focus	16
4.5	WPs5–7: Studying the role of workplace learning and patterns of work organisations for early career structuration; qualitative interviews on learning biographies	16
4.6	WP8: Knowledge discovery on evidence-based policy making in participating countries; & WP9: Establishment of Intelligent Decision Support System for evidence-based policy making	16
4.7	WP10-11: Dissemination and Project Management & Integration.....	17
5	Appendices.....	18
5.1	Table 1: Key elements of the framework to ensure anonymization within the ENLIVEN research process (for storage/use within the project): (to be refined within the research project)	18
5.2	Table 2: Processing of data in the qualitative research implemented by the ENLIVEN project.....	19



RECETOX MU DMP

- Generický dokument popisující RECETOX infrastrukturu jako celek.
 - Sazba jako LaTeXový dokument přes Overleaf
- DMP pro projekty generovány jako vybrané podčásti z generického dokumentu.

```
Source Rich Text
1 %\program=xe $\LaTeX$ 
2 %\encoding=UTF-8 Unicode
3
4 \newif\iftodos\todostrue
5 \newif\ifgenericDMPtemplate\genericDMPtemplatetrue
6 \newif\ifurbanx\urbanxfalse
7 \newif\ifurbanxfinal\urbanxfinalfalse
8 \newif\iferachair\erachairfalse
9 \newif\iferachairfinal\erachairfinalfalse
10 \newif\ifce\cefalse
11 \newif\ifcefinal\cefinalfalse
12
13 %%%
14 %%% vvv Set Options vvv
15 %%%
16
17 %
18 %% Typeset final version of CETOCOEN Excellence (a.k.a. CE) DMP, i.e. without generic sections, TODOS etc.?
19 %%
20 %\cefinaltrue % Uncomment to typeset final version of CETOCOEN Excellence (a.k.a. CE) DMP
21
22 %
23 %% Typeset CETOCOEN Excellence (a.k.a. CE) DMP?
24 %%
25 %\cetruetrue % Uncomment to typeset CETOCOEN Excellence (a.k.a. CE) DMP
26
27 %
28 %% Typeset final version of ERA-Chair DMP, i.e. without generic sections, TODOS etc.?
29 %%
30 %\erachairfinaltrue % Uncomment to typeset final version of ERA-Chair DMP
31
32 %
33 %% Typeset ERA-Chair DMP?
34 %%
35 %\erachairtrue % Uncomment to typeset ERA-Chair DMP
36
37 %
38 %% Typeset final version of URBAN_X DMP, i.e. without generic sections, TODOS etc.?
39 %%
40 %\urbanxfinaltrue % Uncomment to typeset final version of URBAN_X DMP
41
42 %
43 %% Typeset URBAN_X DMP?
44 %%
45 %\urbanxtrue % Uncomment to typeset URBAN_X DMP
46
47 %
48 %% Hide TODOS in the document?
49 %%
50 %\todosfalse % Uncomment to hide TODOS in the document
51
52 %%%
53 %%% ^^^ Set Options ^^^
54 %%%
--
```


MUNI
ICS

DSW MUNI

Demo

Nástroje a zdroje pro podporu FAIR principů

Nástroje a zdroje pro podporu FAIR principů

– The ELIXIR Research Data Management Kit (RDMkit)

- <https://rdmkit.elixir-europe.org/>
- Online průvodce dobrou praxí správy dat v přírodních vědách.
- Rozcestník na řadu externích zdrojů.

Tematické dělení dle fází životního cyklu dat,

role osoby v procesu práce s daty, úlohy s daty (analýza, publikování, kontrola kvality, ...).

Včetně odkazů na národní zdroje, relevantní software a vzdělávací materiály.



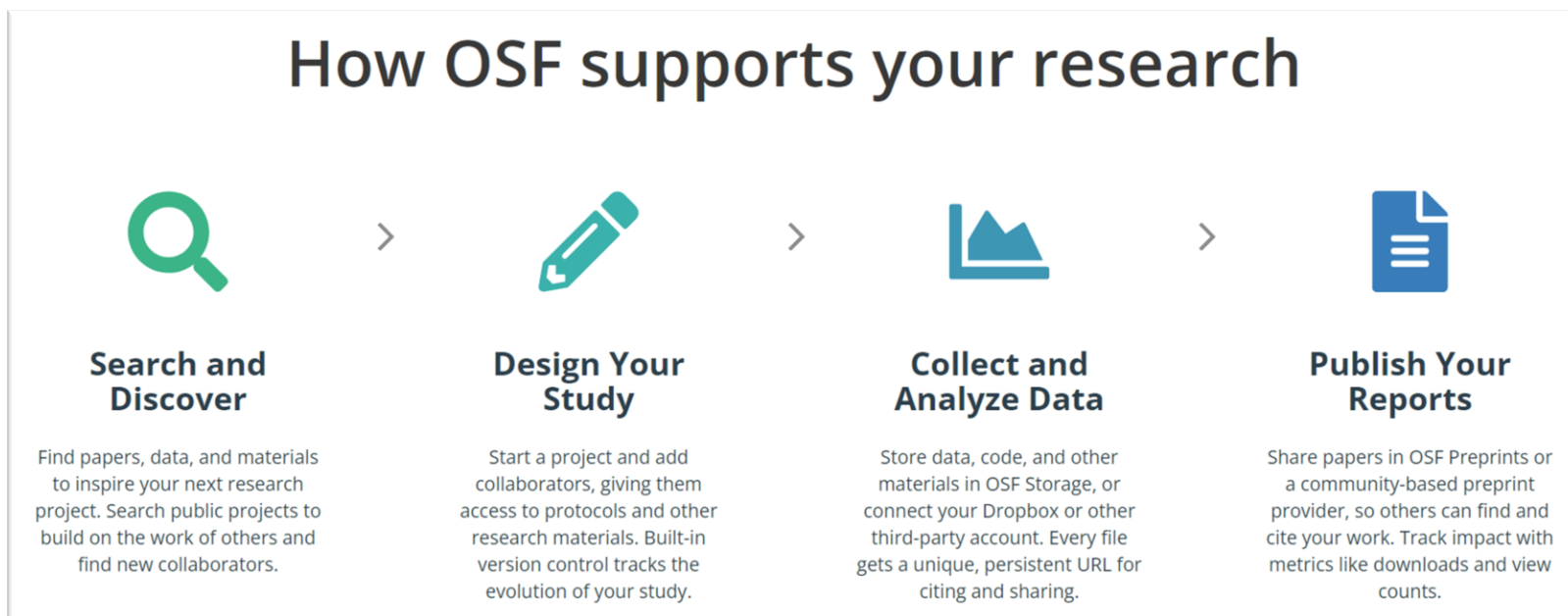
Data management
Data life cycle
Your role
Your domain
Your tasks
Compliance monitoring
Data analysis
Data management plan
Data organisation
Data protection
Data publication
Data quality
Data storage
Data transfer
Documentation and metadata
Existing data
Identifiers
Licensing
Machine actionability
Sensitive data
Tool assembly
National resources
All tools and resources
All training resources

Nástroje a zdroje pro podporu FAIR principů (2)

– OSF

– <https://osf.io/>

– Platforma pro podporu workflow vědeckého výzkumu.

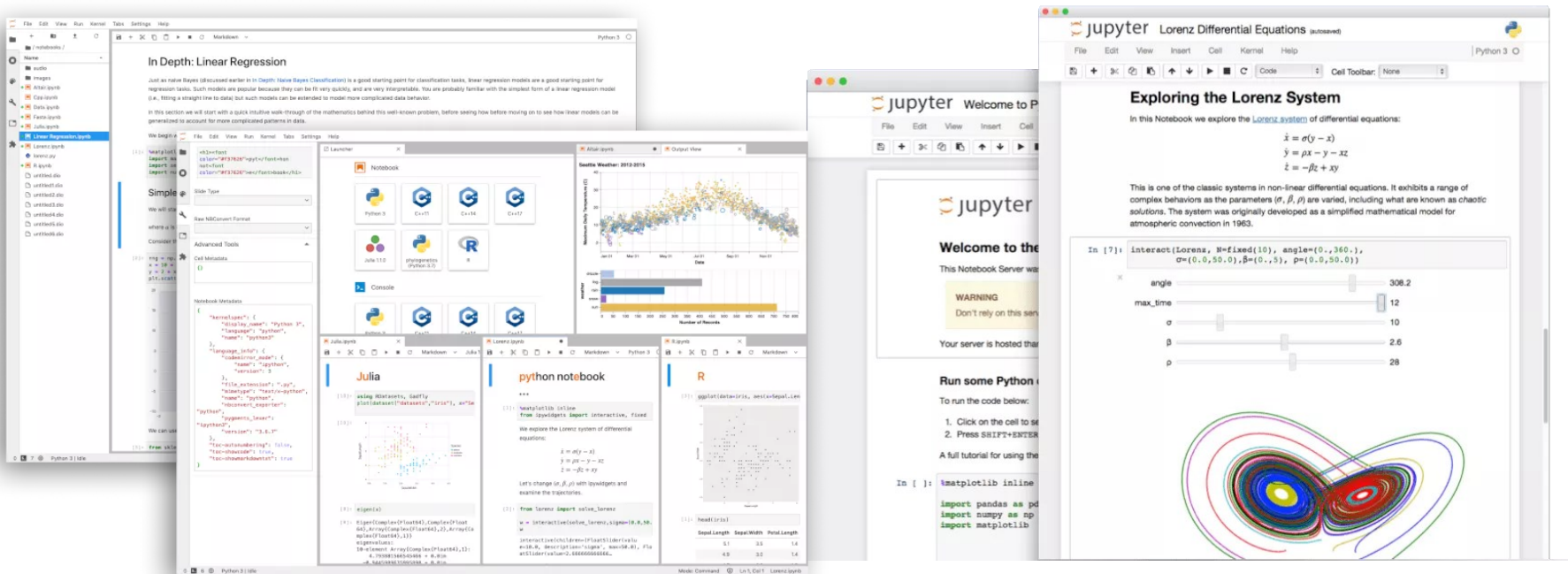


Nástroje a zdroje pro podporu FAIR principů (3)

– JupyterLab

– <https://jupyter.org/>

– Dokumentované zpracování dat umožňující sdílení.

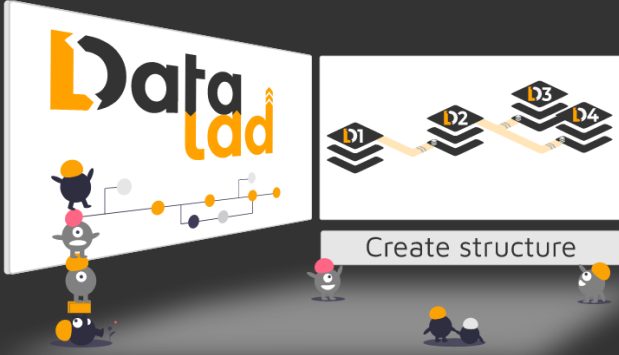


Nástroje a zdroje pro podporu FAIR principů (4)

– DataLad

– <https://www.datalad.org/>

– *DataLad is a free and open-source distributed **data management** system that **keeps track** of your data, creates structure, **ensures reproducibility**, supports collaboration, and integrates with widely used data infrastructure.*



distributed data management

free and open source

Get DataLad

Star 398

Create structure

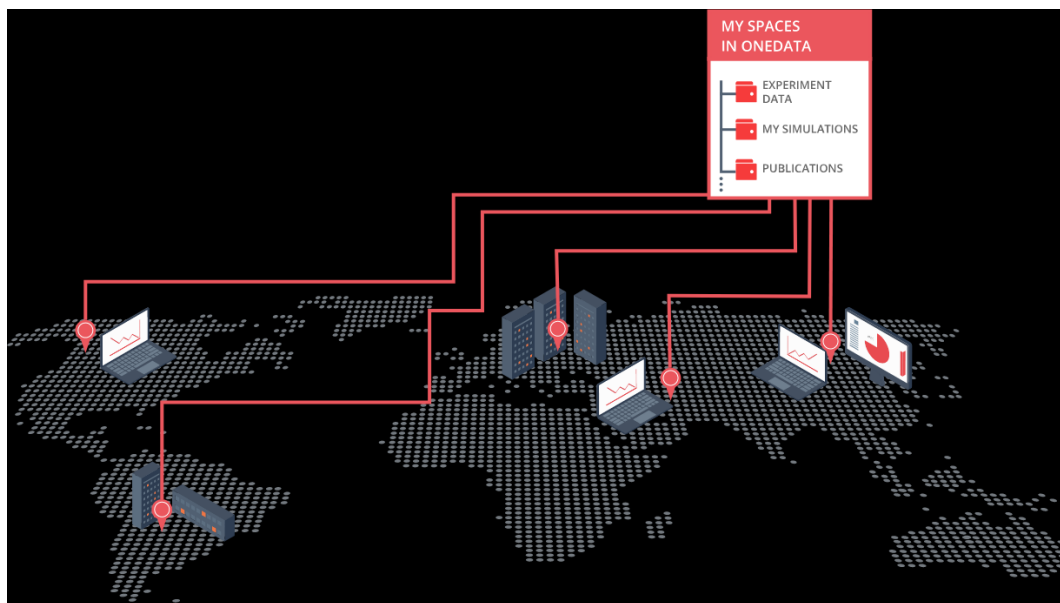
The image shows a promotional graphic for DataLad. On the left, the DataLad logo is displayed on a screen, with several small, colorful robot-like characters standing in front of it. To the right of the screen, a diagram illustrates the 'Create structure' process, showing four data blocks labeled D1, D2, D3, and D4, each represented by a stack of three horizontal lines. The blocks are connected by arrows, suggesting a flow or relationship between them. Below the diagram, the text 'Create structure' is written in a white box. On the right side of the graphic, the text 'distributed data management' and 'free and open source' is displayed in white. Below this, there is a yellow button with a rocket icon and the text 'Get DataLad'. At the bottom right, there is a 'Star 398' button with a star icon.

Nástroje a zdroje pro podporu FAIR principů (5)

– Onedata

– <https://onedata.org/>

– Perform *heavy computations on huge datasets*. Access your data in a dropbox-like fashion regardless of its location. Publish and *share* your results with public or closed communities.



PID – perzistentní identifikátory

Perzistentní identifikátory (PID)

- Mají zajistit oddělení identifikace objektu jako takového,
 - osoba,
 - instituce,
 - publikace,
 - dataset,
- od jeho momentálního fyzického umístění.
- Příklad – datová sada *https-set*
 - Identifikátor datové sady: <https://doi.org/10.48791/4mxxp-r725>
 - Současné fyzické umístění: <https://ucnmuni.sharepoint.com/teams/mu-UVT-https-set/Shared%20Documents/Forms/AllItems.aspx?id=%2Fteams%2Fmu%2DUVT%2Dhttps%2Dset%2FShared%20Documents%2Fhttps%2Dset%2Dv1%2E0%2E0&p=true&ga=1>
 - Fyzické umístění se bude pravděpodobně v budoucnu měnit – zvažován přesun do [pilotně provozovaného datového repozitáře CESNET](#).
 - Změny nevadí – uživatelům je jako odkaz na data *vždy* prezentováno [DOI 10.48791/4mxxp-r725](https://doi.org/10.48791/4mxxp-r725), které je vždy zavede na aktuální umístění.

Perzistentní identifikátory (PID) (2)

- Mají zajistit **jednoznačnost**.
- **Příklad** – jména fyzických osob
 - Více forem zápisu jména **jedné fyzické osoby**.
 - Více různých fyzických **osob** se **stejným jménem**.
- Mají zajistit **trvalost** (perzistenci).
 - **Metadata** fyzicky umístěna **u třetí strany** nezávisle na fyzickém umístění odkazované entity.
 - Vlastník identifikátoru se stará o **aktualizaci metadat** a aktualizace **směřování** na aktuální umístění.
 - Třetí strana **pečuje** o **zachování** poslední verze a historie **metadat** a **existenci identifikátoru** jako takového, i pokud se vlastník identifikátoru o něj starat přestane. A dokonce i tehdy, pokud identifikovaná entita jako taková nebude zachována.

<input type="checkbox"/>	NovakD (1)	Novák, David (1)	Join	Delete
<input type="checkbox"/>	NovakE (5)	Nováková, Eva (5) Nováková, E. (0)	Join	Delete
<input type="checkbox"/>	NovakJ (52)	Novák, Josef (38) Novák, Jos. (1) <u>Novák, J. (13)</u>	Join	Delete
<input type="checkbox"/>	NovakJ2 (7)	Novák, Jiří (7) Novak, Jiri (0)	Join	Delete
<input type="checkbox"/>	NovakJ7 (19)	Novák, Josef (16) <u>Novák, J. (3)</u>	Join	Delete
<input type="checkbox"/>	NovakK (2)	Novák, Karel (2)	Join	Delete
<input type="checkbox"/>	NovakM (2)	Novák, Mirko (2) Novak, Miroslav M. (0) Novak, M. M. (0) Novák, M. (0)	Join	Delete
<input type="checkbox"/>	NovakM2 (2)	Nováková, Markéta (2)	Join	Delete
<input type="checkbox"/>	NovakM3 (1)	Novák, Miroslav (1)	Join	Delete
<input type="checkbox"/>	NovakO (2)	Novák, Ondřej (2)	Join	Delete
<input type="checkbox"/>	NovakP (1)	Novák, Petr (1)	Join	Delete
<input type="checkbox"/>	NovakS (1)	Novák, Stanislav (1)	Join	Delete
<input type="checkbox"/>	NovakV (57)	Novák, Vítězslav (55) Novák, V. (2)	Join	Delete
<input type="checkbox"/>	NovakV2 (7)	Novák, Vilém (7) Novák, V. (0)	Join	Delete
<input type="checkbox"/>	NovakV3 (53)	Novák, Vladimír (53)	Join	Delete
<input type="checkbox"/>	NovakZ (1)	Novák, Zdeněk (1)	Join	Delete

Zdroj: Autoritní databáze projektu [DML-CZ](#)

Řada typů PID

CODEVALUE	PREFLABEL_EN	HREF	Maturity	Globally resolvable	For which object type	Comments
ADSbibcode	Astrophysics Data System - Bibliographic Reference Code	https://ui.adsabs.harvard.edu/	High	Needs token	Publication	
ARK arXiv	Archival Resource Key arXiv identifier scheme	https://arks.org/ https://arxiv.org/ https://sellercentral.amazon.ca/gp/help/external/200317470?language=en-CA&ref=mpbc_200576730_cont_200317470	High High	Local Yes	Other (in comments) Publication	Everything
ASIN	Amazon Standard Identification Number	https://indico.cern.ch/event/780651/attachments/1776614/2888642/Conference_PIDs_and_Crossmark.pdf	High		Other (in comments)	Things sell by Amazon
ConfID Crossref DOI	Conference identifier			?	Event Publication	Not clear if it is a Crossref service
Crossref_funders Crossref_grants	Crossref Funder Registry Registering research grants	https://www.crossref.org/services/content-registration/grants/ https://www.crossref.org/community/grants/	?	Yes	Organisation Other (in comments)	Grants
DataCite DOI						
DOI	Digital Object Identifier	https://www.doi.org/	High High	Yes	Other (in comments) Publication	28 different resources and outputs Services supporting PIDs and metadata for 40+ resource and output types
EAN13	The 13-digit International Article Number	https://www.gs1.org/standards/barcodes/ean-upc	High	?	Other (in comments)	Physical product identifier. A Whole famili of id: UPC-A, UPC-E, EAN13, EAN8
eISBN	electronic International Standard Book Number	https://www.isbn-international.org/			Publication	
eISSN	Electronic International Standard Serial Number	http://portal.issn.org/	High		https://portal.issn.org/resource/ISSN/0376-4583/	Identifies various types of serial publications (eg. journals, websites, blogs)
GRID	Global Research Identifier Database	https://www.grid.ac/	Closed	?	Organisation	Transitioned to ROR
Handle ISN	Handle	http://www.handle.net/	High	Yes	Dataset	It is the base of DOI also
ISAN	International Geo Sample Number	https://www.igsn.org/	High	Yes	Other (in comments)	Physical Samples and Sampling Features
ISAN	International Standard Audiovisual Number	https://www.isan.org/		Yes?	Publication	
ISBN	International Standard Book Number	https://www.isbn-international.org/	High		Publication	
ISLI	Identifies the links between different entities	https://www.isbn-international.org/content/isli-introduction	?	Yes	Other (in comments)	Link bw. entities
ISMN	International Standard Music Number	https://www.ismn-international.org/		No	Publication	
ISNI	International Standard Name Identifier	https://isni.org/page/search-database/			Person	Contributors to creative works and their distribution and organizations
ISSN	International Standard Serial Number	http://portal.issn.org/	High		https://portal.issn.org/resource/ISSN/0376-4583/	Identifies various types of serial publications (eg. journals, websites, blogs)
ISTC	The International Standard Text Code	http://www.istc-international.org/	Defunct	No	Publication	Ceased in 2017
LSID	Life Sciences Identifier	http://www.lsid.info/	?	Yes	Other (in comments)	Metadata for life science items
ORCID	Open Researcher and Contributor ID	https://orcid.org/	High	Yes	Person	
PIC	(EC) partner identity code	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq/1055				
PMID	PubMed ID	https://www.ncbi.nlm.nih.gov/pmc/pmctopmid/			Publication	
PURL	persistent uniform resource locator	https://archive.org/services/purl/	High	Yes	Other (in comments)	Resources on the Web
QID	Wikidata identifier	https://www.wikidata.org/wiki/Wikidata:Identifiers			Other (in comments)	Knowledge item
RAID	Persistent Identifier for research projects Unique numerical identifier applied to organizations in the scholarly supply chain	https://www.raid.org.au/ https://www.ringgold.com/			Needs token	Other (in comments) Research projects
Ringgold ROR RRID	Research Organization Registry Research Resource Identifier	https://ror.org/ https://scicrunch.org/resources	High	Yes	Organisation Organisation	
ScopusAuthorID SWHID	Scopus Author ID SoftWare Heritage persistent Identifiers	https://service.elsevier.com/app/answers/detail/a_id/11212/supporthub/scopus/ https://docs.softwareheritage.org/devrel/swh-model/persistent-identifiers.html	?	No? Local	Publication Source Code	
UPC	Universal Product Code	https://www.gs1.org/standards/barcodes/ean-upc			Other (in comments)	Synonym of EAN13? Product identifier
URI	Uniform Resource Identifier					
URL	Uniform Resource Locator					
URN	Uniform Resource Name					
VAT-number	VAT number	http://ec.europa.eu/taxation_customs/vies/vatRequest.html			Organisation	

Zdroj: Interní pracovní materiály [EOSC Task Force PID Policy and Implementation](#)

Populární PID

– Osoby

- **ORCID:** <https://orcid.org/>

Příklad: [0000-0001-6399-5453](https://orcid.org/0000-0001-6399-5453)

– Instituce

- **ROR:** <https://ror.org/>

Příklad: [02j46gs45](https://ror.org/02j46gs45)

– Publikace

- **DOI:** <https://www.crossref.org/>

Příklad: [10.5817/CP2022-3-1](https://www.crossref.org/10.5817/CP2022-3-1)

– Datasetsy

- **DOI:** <https://datacite.org/>

Příklad: [10.48791/4mxc-r725](https://datacite.org/10.48791/4mxc-r725)

- **Handle:** <https://handle.net/>

Příklad: [11222.digilib/130328](https://handle.net/11222.digilib/130328)

– Knihy

- **ISBN:** <https://www.isbn-international.org/>

Příklad: **978-3-16-148410-0**

– Časopisy

- **ISSN:** <http://portal.issn.org/>

Příklad: **0378-5955**

– Obchodní produkty

- **EAN13:**

<https://www.gs1.org/standards/barcodes/ean-upc>

Příklad: **5901234123457**



Zdroj: VaGla, CC BY-SA 3.0 <<http://creativecommons.org/licenses/by-sa/3.0/>>.
via Wikimedia Commons

– Obyvatelé ČR

- **Rodné číslo:**

<https://www.zakonyprolidi.cz/cs/2004-302/>

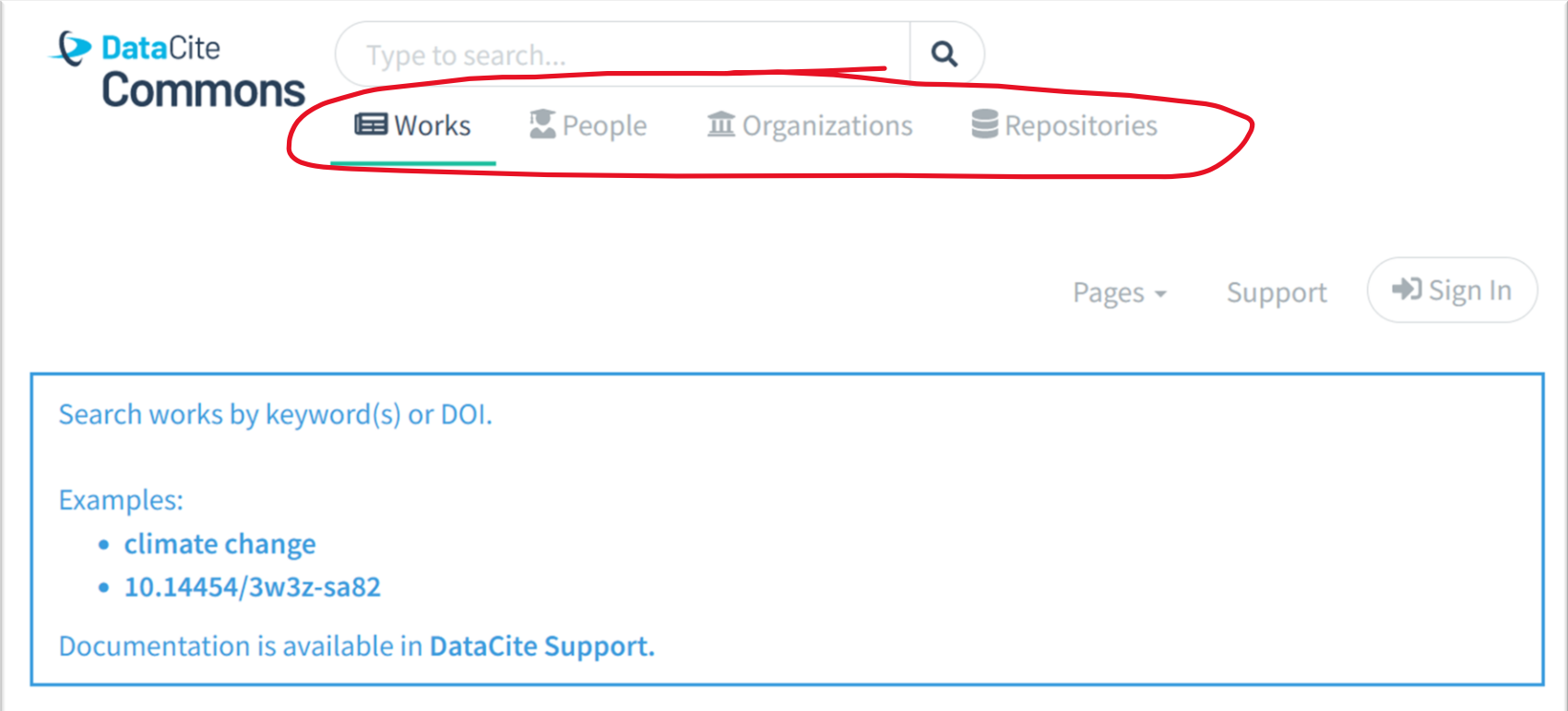
Příklad: **736028/5163**

MUNI
ICS


DataCite





Vyhledávání metadat z databází PID metadat


- Metadata evidovaná k PID bývají veřejně k dispozici.
- <https://commons.datacite.org/>



DataCite Commons

Type to search... 

 Works  People  Organizations  Repositories

Pages ▾ Support  Sign In

Search works by keyword(s) or DOI.

Examples:

- climate change
- 10.14454/3w3z-sa82

Documentation is available in [DataCite Support](#).

Vyhledávání metadat z databází PID metadat (2)

- Přístup k metadatům – příklad *https-set*
- <https://commons.datacite.org/doi.org?query=10.48791%2F4mxc-r725>

1 Work

Encrypted Web Traffic: Event Logs and Packet Traces

Stanislav Špaček, Petr Velan, Pavel Čeleda & Daniel Tovarňák

Version 1.0.0 of HTTPS Traffic Dump With Corresponding Event Log From The Webserver published 2022 in CSIRT-MU

The dataset and supplementary materials for the following paper submitted to the Data in Brief journal: Stanislav Špaček, Petr Velan, Pavel Čeleda and Daniel Tovarňák. Encrypted Web Traffic: Event Logs and Packet Traces.

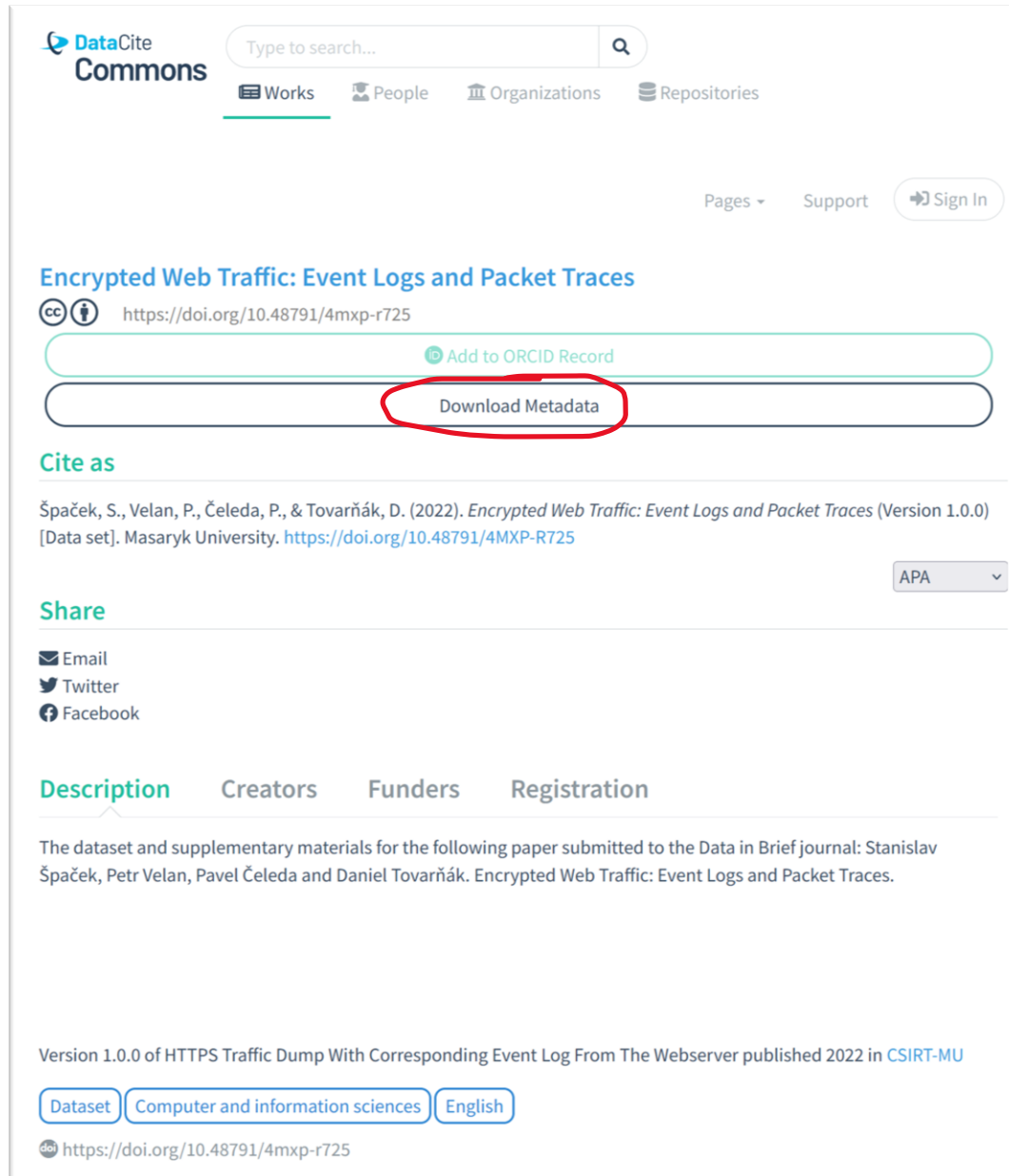
DOI registered March 11, 2022 via DataCite.




Dataset Computer and information sciences English

 <https://doi.org/10.48791/4mxc-r725>

Vyhledávání metadat z databází PID metadat (3)





DataCite Commons Type to search... 

[Works](#) [People](#) [Organizations](#) [Repositories](#)

Pages ▾ Support [Sign In](#)

Encrypted Web Traffic: Event Logs and Packet Traces

  <https://doi.org/10.48791/4mxxp-r725>

[Add to ORCID Record](#)




Download Metadata

Cite as

Špaček, S., Velan, P., Čeleda, P., & Tovarňák, D. (2022). *Encrypted Web Traffic: Event Logs and Packet Traces* (Version 1.0.0) [Data set]. Masaryk University. <https://doi.org/10.48791/4MXP-R725>

APA ▾

Share


 Email
 Twitter
 Facebook

Description Creators Funders Registration

The dataset and supplementary materials for the following paper submitted to the Data in Brief journal: Stanislav Špaček, Petr Velan, Pavel Čeleda and Daniel Tovarňák. Encrypted Web Traffic: Event Logs and Packet Traces.

Version 1.0.0 of HTTPS Traffic Dump With Corresponding Event Log From The Webserver published 2022 in [CSIRT-MU](#)

[Dataset](#) [Computer and information sciences](#) [English](#)

 <https://doi.org/10.48791/4mxxp-r725>

Vyhledávání metadat z databází PID metadat (4)

```
<?xml version="1.0" encoding="UTF-8"?>
- <resource xsi:schemaLocation="http://datacite.org/schema/kernel-4 http://schema.datacite.org/meta/kernel-4/metadata.xsd" xmlns="http://datacite.org/schema/kernel-4"
xsi:schemaLocation="http://www.w3.org/2001/XMLSchema-instance">
  <identifier identifierType="DOI">10.48791/4MXP-R725</identifier>
  <creators>
    - <creator>
      <creatorName nameType="Personal">Špaček, Stanislav</creatorName>
      <givenName>Stanislav</givenName>
      <familyName>Špaček</familyName>
      <nameIdentifier schemeURI="" nameIdentifierScheme="Other">https://orcid.org/0000-0002-7187-5045</nameIdentifier>
    </creator>
    - <creator>
      <creatorName nameType="Personal">Velan, Petr</creatorName>
      <givenName>Petr</givenName>
      <familyName>Velan</familyName>
      <nameIdentifier schemeURI="https://orcid.org" nameIdentifierScheme="ORCID">https://orcid.org/0000-0002-2824-4299</nameIdentifier>
    </creator>
    - <creator>
      <creatorName nameType="Personal">Čeleda, Pavel</creatorName>
      <givenName>Pavel</givenName>
      <familyName>Čeleda</familyName>
      <nameIdentifier schemeURI="https://orcid.org" nameIdentifierScheme="ORCID">https://orcid.org/0000-0002-3338-2856</nameIdentifier>
    </creator>
    - <creator>
      <creatorName nameType="Personal">Tovarník, Daniel</creatorName>
      <givenName>Daniel</givenName>
      <familyName>Tovarník</familyName>
      <nameIdentifier schemeURI="https://orcid.org" nameIdentifierScheme="ORCID">https://orcid.org/0000-0002-7206-5167</nameIdentifier>
    </creator>
  </creators>
  <titles>
    <title xml:lang="en">Encrypted Web Traffic: Event Logs and Packet Traces</title>
  </titles>
  <publisher>Masaryk University</publisher>
  <publicationYear>2022</publicationYear>
  <resourceType resourceTypeGeneral="Dataset">HTTPS Traffic Dump with Corresponding Event Log from the Webserver</resourceType>
  <subjects>
    <subject schemeURI="http://www.oecd.org/science/inno" valueURI="http://www.oecd.org/science/inno/38235147.pdf" subjectScheme="Fields of Science and Technology (FOS)">FOS: Computer and
information sciences</subject>
  </subjects>
  <dates>
    <date dateType="Issued">2022</date>
  </dates>
  <language>en</language>
  <sizes>
    <size>270 GiB</size>
  </sizes>
  <formats>
    <format>Network traces in Libpcap file format (see https://wiki.wireshark.org/Development/LibpcapFileFormat) and event log from IIS web servers in a newline-delimited JSON (JSON Lines)
file.</format>
  </formats>
  <version>1.0.0</version>
  <rightsList>
    <rights rightsURI="https://creativecommons.org/licenses/by/4.0/legalcode">Creative Commons Attribution 4.0 International</rights>
  </rightsList>
  <descriptions>
    <description xml:lang="en" descriptionType="Abstract">The dataset and supplementary materials for the following paper submitted to the Data in Brief journal: Stanislav Špaček, Petr Velan, Pavel Čeleda
and Daniel Tovarník. Encrypted Web Traffic: Event Logs and Packet Traces.</description>
    <description xml:lang="en" descriptionType="TechnicalInfo">Repository Structure - Anonymization – the anonymization folder contains the scripts and settings that were used to anonymize the data
capture. - Dataset – the dataset folder contains the host-based and network parts of the dataset in two separate files. - Pcap2flow – the pcap2flow folder contains the tools, settings, and guide to
convert the packet dump in the dataset into aggregated IP flows. - README.md This work is licensed under a [Creative Commons Attribution 4.0 International License:
https://creativecommons.org/licenses/by/4.0/</description>
  </descriptions>
  <fundingReferences>
    - <fundingReference>
      <funderName>Horizon 2020 Framework Programme</funderName>
      <funderIdentifier funderIdentifierType="Crossref Funder ID">https://doi.org/10.13039/100010661</funderIdentifier>
      <awardNumber awardURI="https://www.concordia-h2020.eu/">830927</awardNumber>
      <awardTitle>CONCORDIA: Cyber security cOmpeteNce fOr Research anD InnovAtion</awardTitle>
    </fundingReference>
  </fundingReferences>
</resource>
```

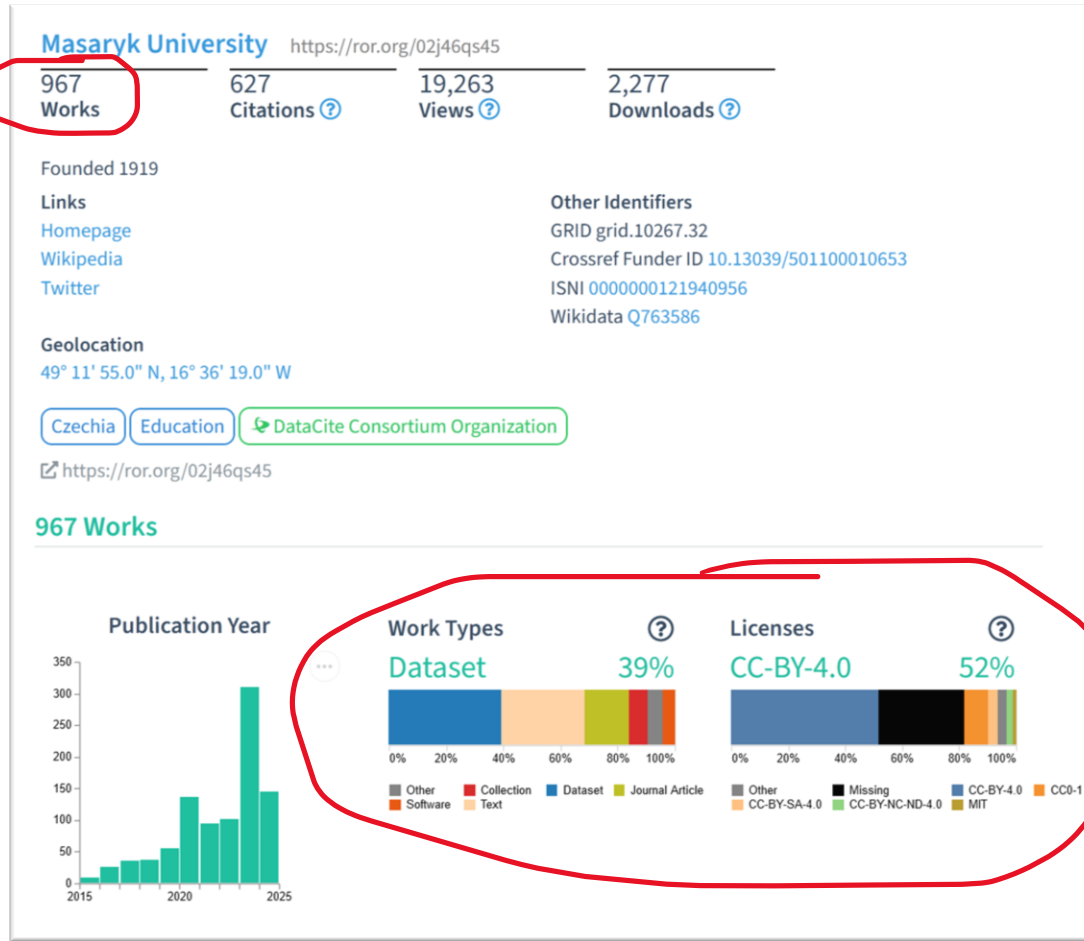
MUNI
ICS

DataCite na MU

DOI pro data

DataCite DOI na MU (2024-04)

– <https://commons.datacite.org/ror.org/02j46qs45>



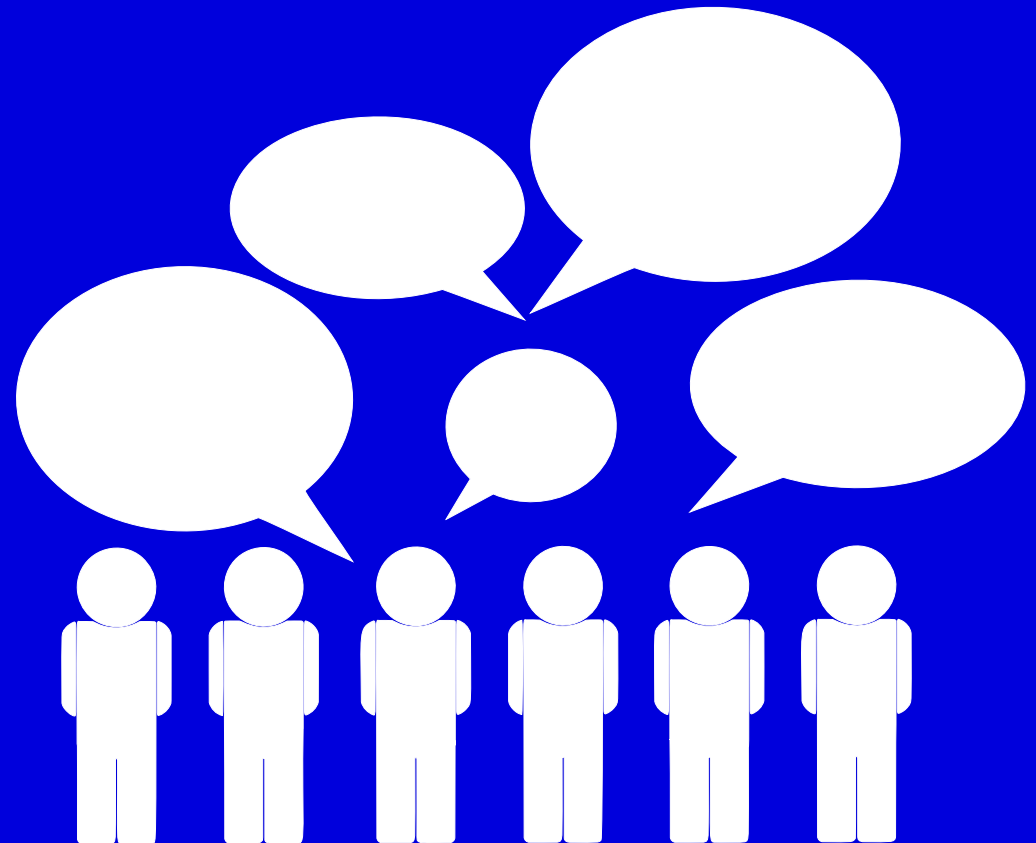
DataCite DOI na MU (2024-04) – pohled do interního systému

The screenshot displays the 'DataCite Fabrica' interface for 'Masaryk University'. The navigation menu includes 'Info', 'Settings', 'Contacts', 'Repositories', 'Prefixes', and 'DOIs'. The 'Repositories' section is active, showing a '+ Add Repository' button circled in red. Below this are filters for 'Year joined' (2024: 1, 2023: 7, 2022: 5), 'Type' (Repository: 13), 'Repository Type' (Project Related: 6, Institutional: 5, Disciplinary: 1), and 'Software' (Islandora: 1). A search bar and 'Reset All' button are also visible. The list of repositories includes 'CEITEC MU Biological Data Manag' and 'CEIRIT-SC', with details for Repository ID, GCNC prefix, URL, and Repository Type (Institutional).

Potřebuji DOI pro data – co dělat?

- Napište na openscience@ics.muni.cz.
- Domluvíme si schůzku a ukážeme si, jak se DOI přidělují.
 - Ručně vyplňováním formulářů.
 - Strojově přes API.
- Zřídíme vlastní DOI prefix v testovací i produkční infrastruktuře.
- Otestujeme vyplňování záznamů v testovací infrastruktuře.
- Přeneseme do produkce.

Otázky?



Zdroj: [Communicate_communication_conference_2028004](#) od [OpenClipart-Vectors](#) z [Pixabay](#)