Hogyan segítik a munkánkat a kutatási adatkezelési tervezők és eszközök?

Készítette:

Száldobágyi Ádám

DEENK

ELKH FAIR workshop, 2021.10.21

Photo by imgix on Unsplash

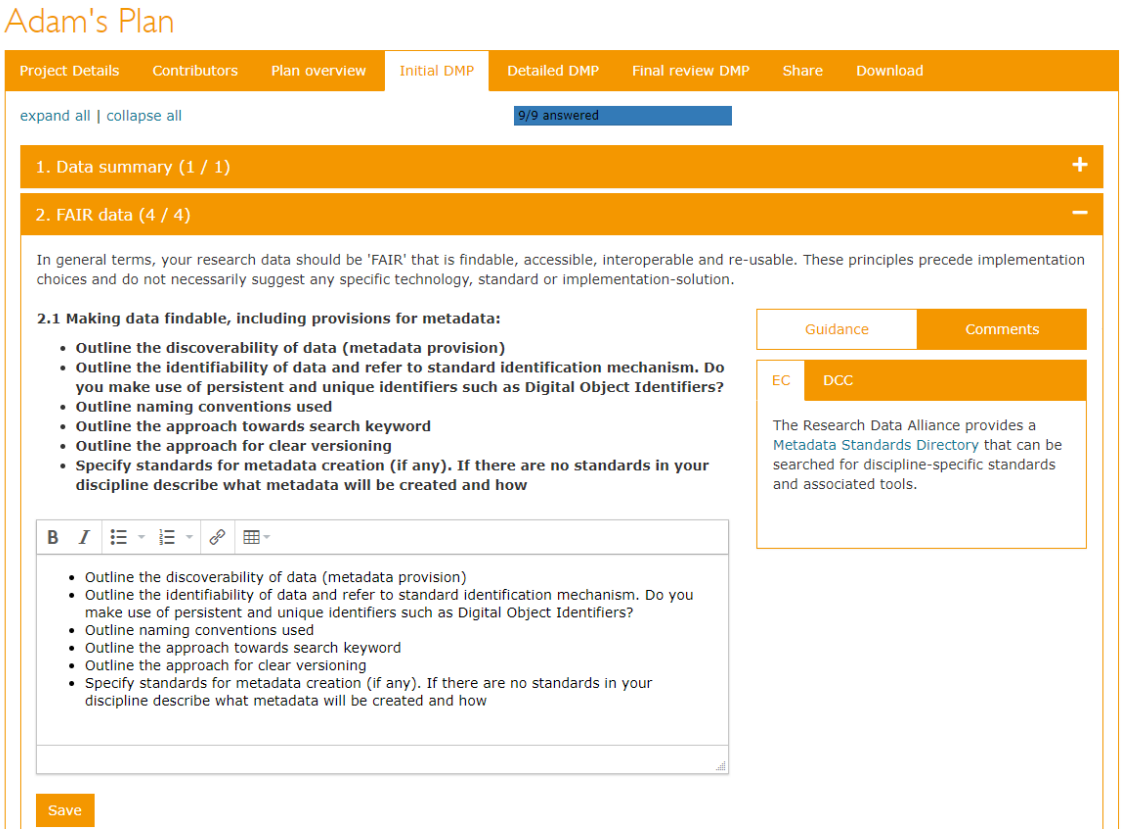
Hol találunk FAIR eszközöket?

- Adatbázisok:
  - Open Science MOOC
  - Research Data Alliance
  - 400+ Tools and innovations in scholarly communication

DMPonline

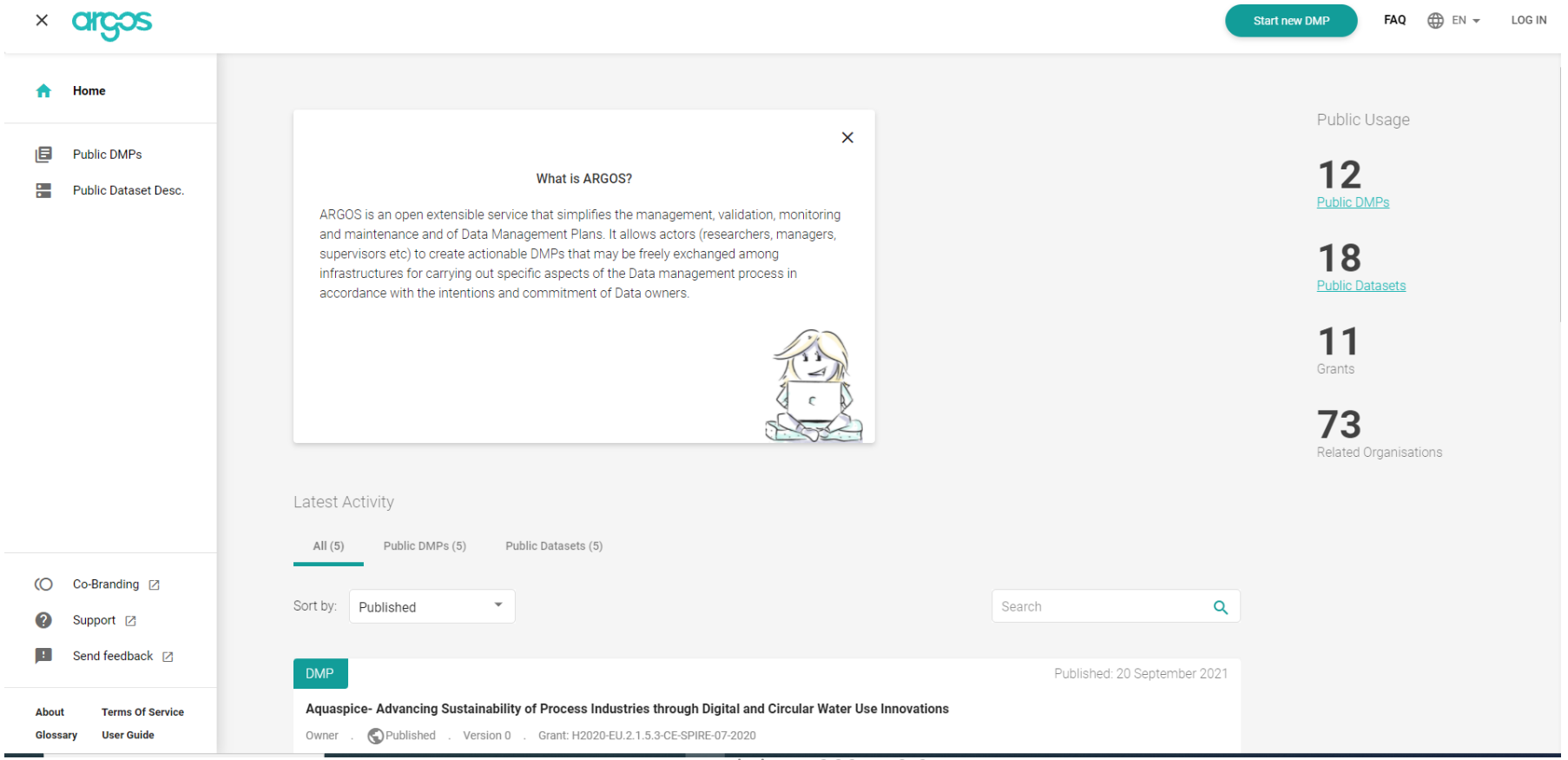
A DMPonline segít létrehozni, felülvizsgálni és megosztani az intézményi és finanszírozói követelményeknek megfelelő adatkezelési terveket.

A szolgáltatást a Digital Curation Center (DCC) biztosítja.



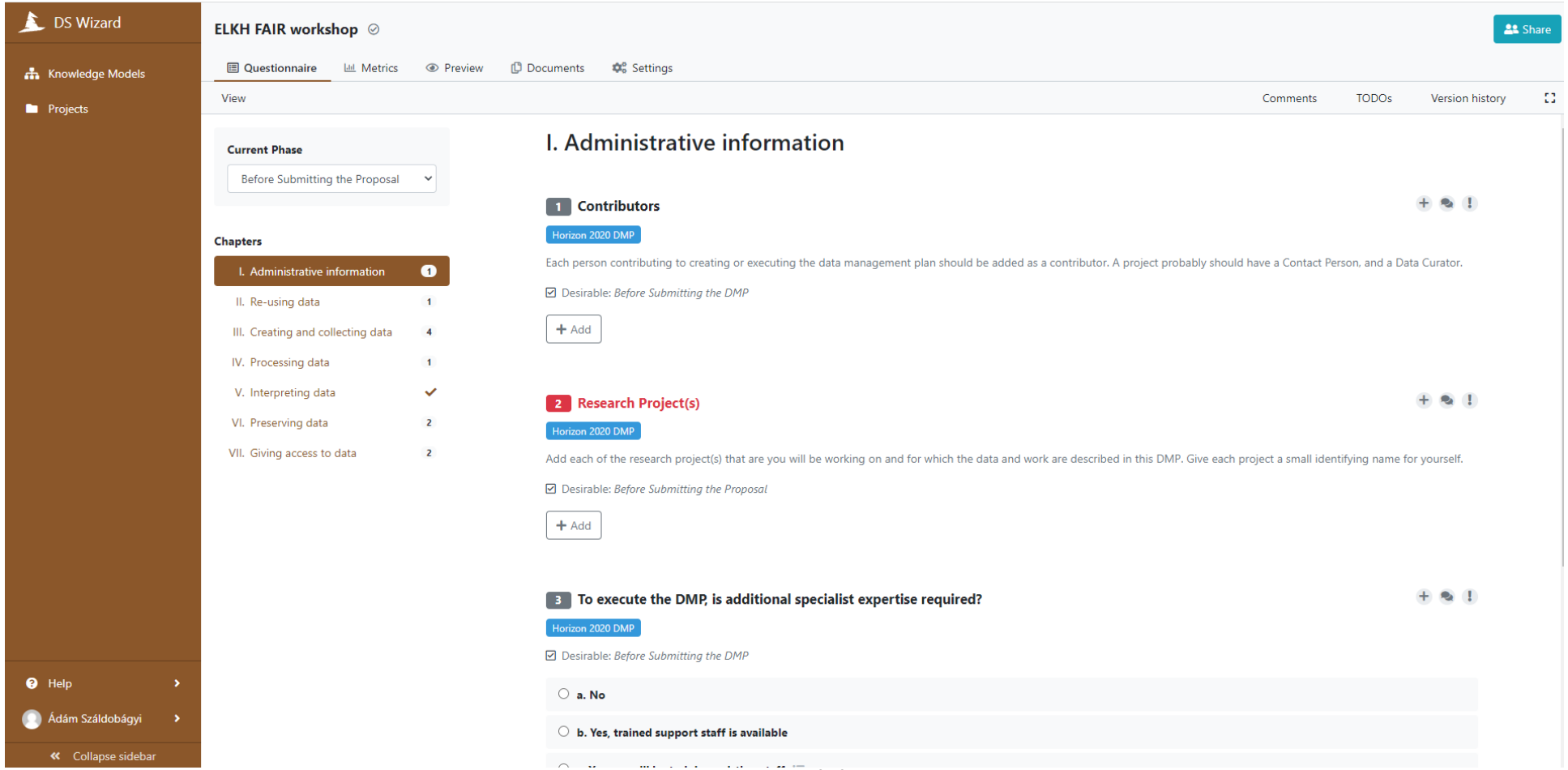
ARGOS

Az ARGOS egy online eszköz, amely támogatja az automatizált folyamatokat a DMP-k létrehozásához, kezeléséhez, megosztásához és összekapcsolásához a megfelelő kutatási szellemi termékkel.

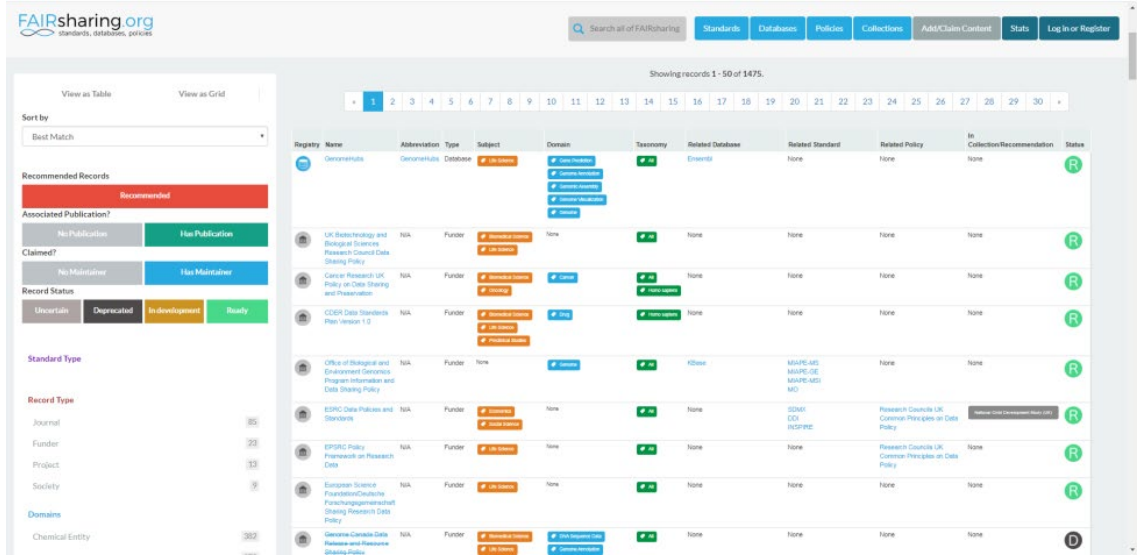


Data Stewardship Wizard

Az ELIXIR projekt által fejlesztett eszköz, amely nem csak DMP létrehozására alkalmas, hanem segít az adatok FAIR elvek szerinti kezelésében is.



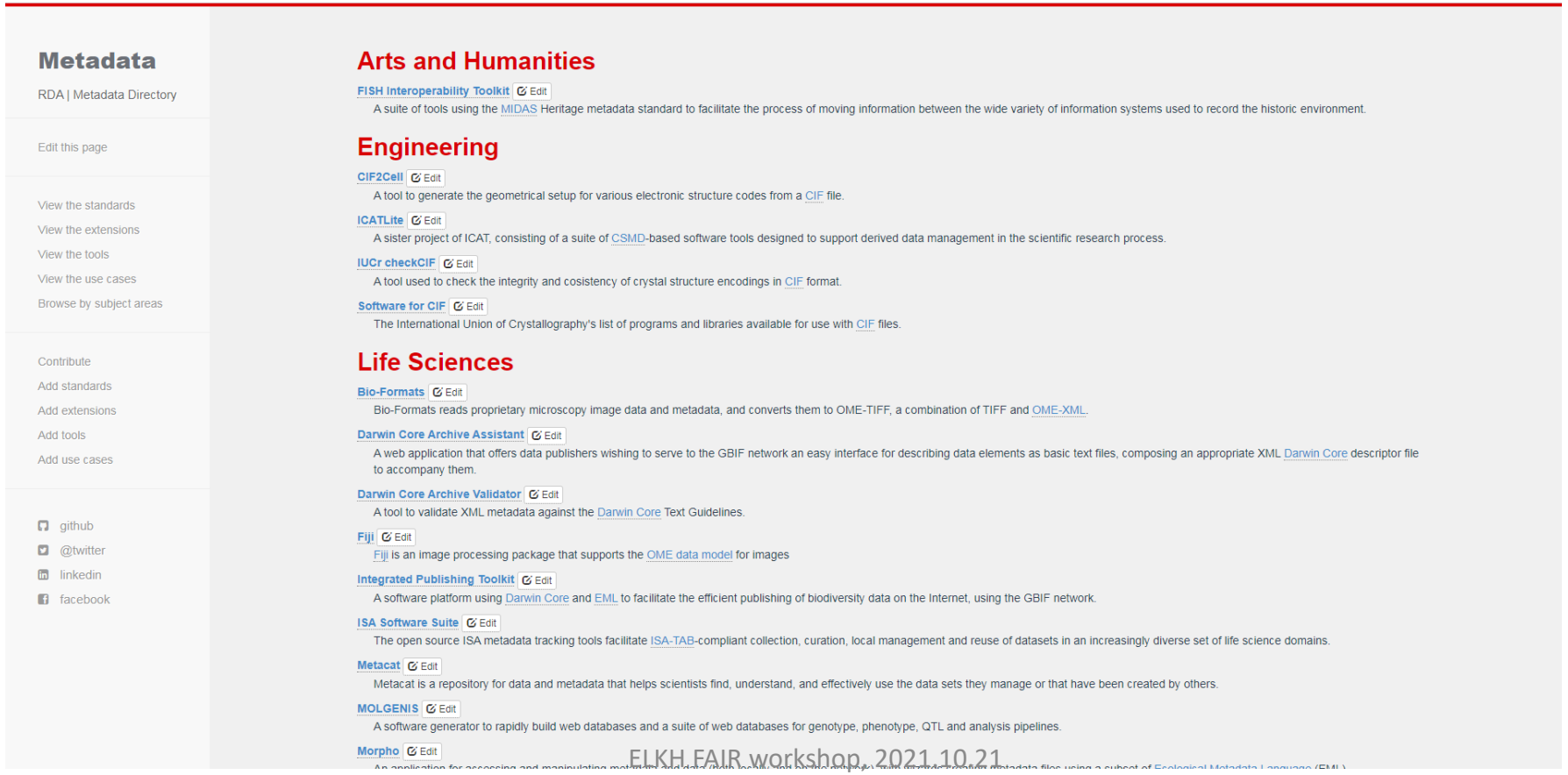
FAIRsharing



Informatív és kurrens forrás az adatokról és a metaadat-szabványokról, amelyek az adatbázisokhoz és adatpolitikákhoz kapcsolódnak.

RDA Metadata Standards Directory

A tudományos adatokra alkalmazható metaadat - szabványok interoperábilis, nyílt könyvtára.



Metadata

RDA | Metadata Directory

Edit this page

View the standards
View the extensions
View the tools
View the use cases
Browse by subject areas

Contribute
Add standards
Add extensions
Add tools
Add use cases

github
@twitter
linkedin
facebook

Arts and Humanities

FISH Interoperability Toolkit Edit
A suite of tools using the MIDAS Heritage metadata standard to facilitate the process of moving information between the wide variety of information systems used to record the historic environment.

Engineering

CIF2Cell Edit
A tool to generate the geometrical setup for various electronic structure codes from a CIF file.

ICATLite Edit
A sister project of ICAT, consisting of a suite of CSMD-based software tools designed to support derived data management in the scientific research process.

IUCr checkCIF Edit
A tool used to check the integrity and cosistency of crystal structure encodings in CIF format.

Software for CIF Edit
The International Union of Crystallography's list of programs and libraries available for use with CIF files.

Life Sciences

Bio-Formats Edit
Bio-Formats reads proprietary microscopy image data and metadata, and converts them to OME-TIFF, a combination of TIFF and OME-XML.

Darwin Core Archive Assistant Edit
A web application that offers data publishers wishing to serve to the GBIF network an easy interface for describing data elements as basic text files, composing an appropriate XML Darwin Core descriptor file to accompany them.

Darwin Core Archive Validator Edit
A tool to validate XML metadata against the Darwin Core Text Guidelines.

Fiji Edit
Fiji is an image processing package that supports the OME data model for images

Integrated Publishing Toolkit Edit
A software platform using Darwin Core and EML to facilitate the efficient publishing of biodiversity data on the Internet, using the GBIF network.

ISA Software Suite Edit
The open source ISA metadata tracking tools facilitate ISA-TAB-compliant collection, curation, local management and reuse of datasets in an increasingly diverse set of life science domains.

Metacat Edit
Metacat is a repository for data and metadata that helps scientists find, understand, and effectively use the data sets they manage or that have been created by others.

MOLGENIS Edit
A software generator to rapidly build web databases and a suite of web databases for genotype, phenotype, QTL and analysis pipelines.

Morpho Edit

AMNESIA

ID	Age	Zipcode	Diagnosis
1	28	13053	Heart Disease
2	29	13068	Heart Disease
3	21	13068	Viral Infection
4	23	13053	Viral Infection
5	50	14853	Cancer
6	55	14853	Heart Disease
7	47	14850	Viral Infection
8	49	14850	Viral Infection
9	31	13053	Cancer
10	37	13053	Cancer
11	36	13222	Cancer
12	35	13068	Cancer

ID	Age	Zipcode	Diagnosis
1	[20-30]	130**	Heart Disease
2	[20-30]	130**	Heart Disease
3	[20-30]	130**	Viral Infection
4	[20-30]	130**	Viral Infection
5	[40-60]	148**	Cancer
6	[40-60]	148**	Heart Disease
7	[40-60]	148**	Viral Infection
8	[40-60]	148**	Viral Infection
9	[30-40]	13***	Cancer
10	[30-40]	13***	Cancer
11	[30-40]	13***	Cancer
12	[30-40]	13***	Cancer

Az AMNESIA az adatok anonimizálására szolgáló eszköz/szoftver, amely gondoskodik róla, hogy egyes információk ne legyenek visszafejthetők az adatokból. Az AMNESIA nem csak a direkt azonosítókat rejti el (pl nevek, tanusítványok), de a másodlagos azonosítók anonímmá tételéről is gondoskodik (pl. Születési idő, irányítószám), melyek alapján a személy beazonosítható lenne.

Mennyire FAIR az adat?

Ez az ellenőrző lista segít felmérni az adatkészlet(ek) minőségét (FAIRness) és a kiválasztott adattár megbízhatóságát.

Data Archiving and Networked Services

DANS

SATIFYD

Self-Assessment Tool to Improve the FAIRness of Your Dataset

Welcome to SATIFYD: the DANS Self-Assessment Tool to Improve the FAIRness of Your Dataset. This tool will show you how FAIR (Findable, Accessible, Interoperable, Reusable) your dataset is and will provide you with tips to score (even) higher on FAIRness. Ideally, you use this tool prior to the deposit in EASY.

The 12 questions touch upon the FAIR data principles but do not strictly follow them. While answering the questions, the score per letter will be displayed underneath each letter. The more 'blue' the letters get, the more FAIR your dataset is. An overall score is provided at the end of the page.

Some questions are posed more than once (e.g. on metadata and data standards or usage licences), because the topics are relevant in more than one letter.

Want to know more? Please click *here* ←

If you have any questions, please let us know by sending an e-mail

FINDABLE

1. Did you provide sufficient metadata (information) about your data for others to find, understand and reuse your data? ---

2. Did you use standards such as controlled vocabularies, taxonomies (thesauri) or ontologies to describe your dataset?
- ☐ Controlled vocabularies
- ☐ Taxonomies (thesauri)
- ☐ Ontologies
- ☐ There are no standards for my discipline

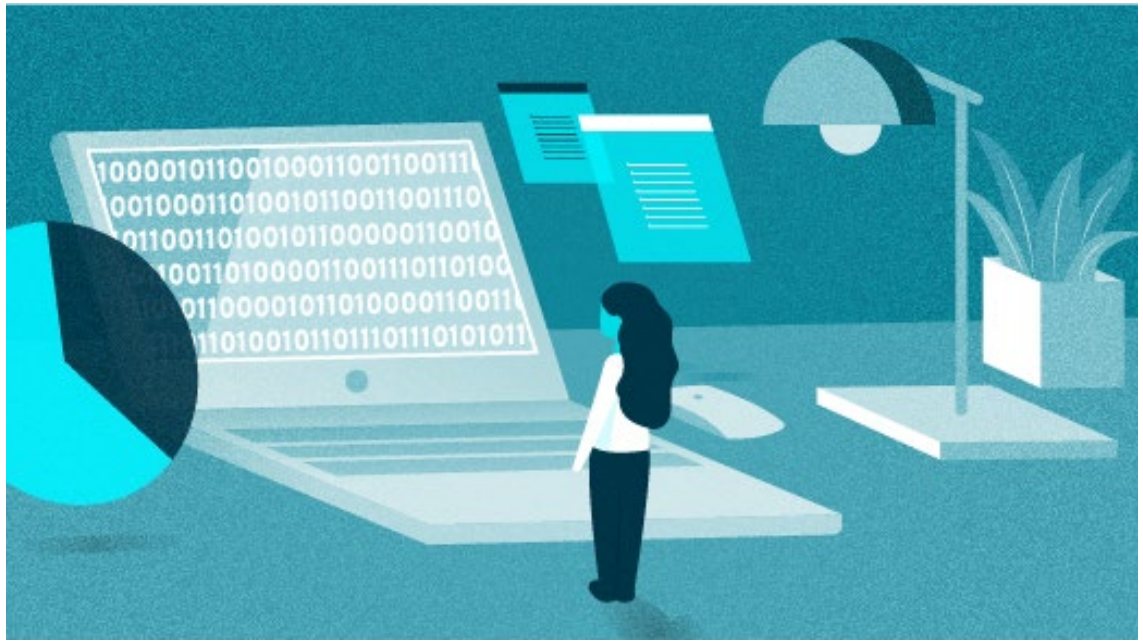
3. Did you provide rich and detailed additional documentation?
- ☐ Readme file
- ☐ Versioning
- ☐ Provenance

ACCESSIBLE

4. Is the metadata publicly accessible even if the data is no longer available?
- ○ Yes ◉ No
- ○ I can't find this information in EASY

5. Does your dataset contain personal data?
- ○ Yes ◉ No

Eszközök elérhetőségei



- DMPonline: https://dmponline.dcc.ac.uk/
- ARGOS: https://argos.openaire.eu/home
- DS Wizard: https://ds-wizard.org/
- FAIRSharing: https://fairsharing.org/
- RDA Metadata Standards Directory: https://rd-alliance.github.io/metadata-directory/standards/
- AMNESIA: https://amnesia.openaire.eu/
- SATIFYD: https://satifyd.dans.knaw.nl/

Köszönöm a figyelmet!