



Directive of the Rector No 2/2023				
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Guarantor:	prof. Dr. Ing. Petr Lenfeld	Vice rector		
Legal control:	Mgr. Tereza Stejskalová	Lawyer		
Professional staff:	Bc. Ludvík Steiner	Referent University Library		
Approved:	doc. RNDr. Miroslav Brzezina, Ph.D.	Rector		
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Article 1 Introductory provisions

1. The University is committed to providing open research data whenever it is appropriate, necessary, useful and required.
2. The University supports the long-term preservation and accessibility of research data resulting from creative (research) activities funded by public resources.
3. The University will adhere to the FAIR and "as open as possible, as closed as necessary" principles when making research data available.

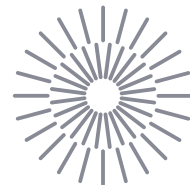
Article 2 Definition of the reinforcement data

1. Research data is data and information, other than scientific publications, in electronic form, which is collected or generated in the course of research or development and is used as evidence in the research process or development or which are generally accepted by the research community as necessary to validate the findings and results of research or development.
2. Research data are data in electronic form resulting from research (creative) activities, including so-called metadata (data that provide information about other data) and details of the processing of research data.

Article 3 Definitions of the open data

1. Open research data (dataset form) is research data obtained from research (creative) activities that are funded from public sources.

Article 4



Requirements for open access data

1. Open research data must be complete, machine-readable and in standard formats, available without restriction online to all potential users.
2. Open access to research data includes the ability to freely use, modify and share data with anyone and for any purpose.
3. Open research data will be made available under clearly defined conditions of use of research data with minimum restrictions and accessible to users at minimum possible cost.
4. Open research data must be traceable and reusable, along with its metadata.
5. The format of open research data and metadata should, where possible, conform to formal open standards.

Article 5 The repository

1. The choice of the repository (the list of recommended repositories is given in Annex 1. is the responsibility of individual units (faculty, institute, or department) of TUL.
2. The minimum conditions a repository should meet are the assignment of persistent identifiers (ideally DOIs), the choice of access settings (authorization and authentication), and the choice of license.
3. The University recommends to choose a national, subject or general repository (you can consult with the TUL University Library).
4. The University does not recommend the storage of research data with publishers or journals.

Article 6 Duties of TUL staff

1. TUL staff have a duty to provide public access to open research data at the earliest possible stage of its dissemination and to facilitate its use and reuse.
2. The University will require compliance with standards and regulations related to open research data.
3. TUL staff will publish data files in accordance with the funder's requirements while complying with GDPR rules and protecting legitimate interests, including the business interests of partners.
4. TUL staff must protect sensitive research data, such as personal data or trade secrets.
5. TUL staff are obliged to publish metadata. The TUL metadata schema for describing research data is given in Annex 1.
6. Within each project (according to the conditions of the provider) or site, it is advisable to establish a data steward who is responsible for the data management area.

Article 7 Open Science Coordinator



1. For data management at the level of TUL and TUL units, the position of Open Science Coordinator is established to oversee compliance with the conditions and requirements in the area of open science.
2. The Open Science Coordinator works closely with managers, data owners and data stewards to develop policies, procedures and guidelines for open data management. He/she also works with IT teams to ensure the proper functioning, maintenance, and security of the data infrastructure.

Article 8 Final Provisions

1. The Directive is based on [Directive \(EU\) 2019/1024 of the European Parliament and of the Council of 20 June 2019 on open data and the reuse of public sector information](#) and Act No.130/2002 Coll., the Act on Support for Research, Experimental Development and Innovation from Public Funds.
2. This Directive shall enter into force on the date of signing and take effect on the date of publication.
3. Annex 1 is an integral part of this Directive.



1) Mandatory and optional (recommended) metadata elements for open research datasets at TUL

The mandatory and optional (recommended) metadata format for open research data sets at TUL is derived from the ČSN ISO 6901 standard and the DataCite Metadata Schema 4.42 metadata format.

Mandatory data	Description	Example
Names of authors	Names and surnames of all dataset authors	Jan Novák, Pavla Řezáčová, ...
ORCID of authors	Unique identifiers of all dataset authors	0000-0002-2709-8015, 0000-0003-1585-1409, ...
Authors' affiliations	Related affiliations of all dataset authors	Technical University of Liberec
ROR identifier ³ for TUL	Unique identifier of the research organisation	https://ror.org/02jtk7k02
Dataset name	A concise name for a specific dataset	Comparison of nursing students' performance of cardiopulmonary resuscitation between 1 semester and 3 semesters of manikin simulations in the Czech Republic: a non-randomized

¹ ISO 690:2022 *Information and documentation - rules for bibliographic references and citations of information sources*. Prague: Office for Technical Standardization, Metrology and State Testing, 2022, 154 p. Classifier 01 0197.

² <https://schema.datacite.org/meta/kernel-4.4/>

³ Research Organization Registry (research organization identifier).