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Data paper publication metadata

数据论文出版元数据

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Table of Contents

1 Scope	1
2 Normative reference documents	1
3 Terms and Definitions	1
4 Metadata description method	2
4.1 Overview	2
4.2 Definition	2
4.3 English name	2
4.4 Data type	2
4.5 Value range	2
4.6 Short name	2
4.7 Note	3
5 Composition of metadata for publishing data papers	3
6 Dataset metadata	4
6.1 Basic information of data set	4
6.1.1 Identifier	4
6.1.2 Title	4
6.1.3 Summary	4
6.1.4 Keyword	4
6.1.5 Scope	4
6.1.6 Language	5
6.1.7 File content	5
6.1.8 Fund Project	5
6.1.9 Data volume	6
6.1.10 Data format	6
6.1.11 Dataset Author	6
6.2.1 Release date	7
6.2.3 Version information	8
6.3 Data set service information	8
6.3.1 Dataset reference format	8
6.3.2 Dataset Sharing License Agreement	8
6.3.3 Dataset usage statement	8
6.3.4 Data set download address	8

6.3.5 Data paper access address	9
7 Data Paper Metadata	9
7.1 Data paper content information	9
7.1.1 Identifier	9
7.1.2 Title	9
7.1.3 Summary	9
7.1.4 Keyword	10
7.1.5 Basic information of data set	10
7.1.6 Introduction	10
7.1.8 Data sample description	10
7.1.11 Reference	11
7.1.12 Acknowledgments	11
7.2 Data paper publication information	12
7.2.2 Date of review	13
7.2.4 Publication date	13
7.2.5 Version information	13
7.3 Data paper service information	14
7.3.1 Data paper citation format	14
7.3.2 Data paper download address	14
7.3.3 Data Paper Sharing License Agreement	14
7.3.4 Data set access address	14
15 Reference	19

Foreword

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1 Scope

GB/T 42813-2023 specifies the metadata for publishing data papers. A data paper is a peer-reviewed article whose subject is a dataset rather than a finding, and it exists to give the people who assemble data the citable credit that the people who analyse it already have. That only works if the paper, the dataset and the repository record can be linked and counted, which is a metadata problem: the article is in a journal system, the data is in a repository, and neither knows about the other. The standard sets the metadata description method - the definition, English name, data type, value range, short name and notes for each element - the composition of the data paper publication metadata, and the dataset metadata itself, beginning with the identifier and the title. It took effect on 6 August 2023.

This document specifies the content and structure of data paper publication metadata, including data set metadata, data paper metadata and their description methods. Laws, extension types and rules. This document is suitable for the description, preservation, online publishing and sharing services of data papers and their associated data sets.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments)

applies to this document.

GB/T 7408 Data elements and exchange format information exchange date and time representation

GB/T 7714 Rules for recording information and literature references

GB/T 30522 Basic principles and methods for metadata standardization of technology platforms

GB/T 30523 Core metadata of scientific and technological resources

GB/T 32843 Science and Technology Resource Identification

GB/T 35294 Information technology scientific data citation

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 datasetdataset A collection of data that has a certain theme, can be identified, and can be processed by a computer. [Source: GB/T 31075-2014,A.2.16]

3.2 data paperdatapaper Articles that provide a standardized description of the data set and are jointly published online in accordance with academic standards.

Note. When the article and the data set belong to different publishing units, the unique relationship between the two is presented through the identifier.

3.3 data paper publicationdatapaperpublication The process of publicly publishing data papers and their associated datasets online.

3.4 metadatametadata Data that defines and describes other data. [Source: GB/T 18391.1-2009,3.2.16]

3.5 metadataelement metadataelement The basic unit of metadata.