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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Information and documentation - Presentation of
documentation - Part 4: Data papers**

信息与文献 编写规则 第4部分：数据论文

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 4 of GB/T 7713. GB/T 7713 has been published in the following parts.

--- Information and documentation rules Part

1. Dissertations;

--- Rules for writing academic papers;

--- Rules for the preparation of scientific and technological reports;

--- Information and documentation writing rules Part

4. Data papers. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the National Technical Committee for Information and Documentation Standardization (SAC/TC4). This document was drafted by: Documentation and Information Center of the Chinese Academy of Sciences, Institute of Agricultural Information of the Chinese Academy of Agricultural Sciences, Computer Science of the Chinese Academy of Sciences Network Information Center, National Library of China, Institute of Scientific and Technical Information of China, Nanjing University, China

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The data paper mainly describes the data reproducibility and reusability, and comprehensively, normatively and in-depth description of specific research data. Data is an emerging academic paper genre that aims to promote the standardized expression, accurate understanding, value discovery, reuse and wide dissemination of data. The specific description object, communication characteristics and communication purpose of the paper determine that its writing and arrangement are different from those of knowledge research papers. specification. GB/T 7713-1987 "Format for Writing Scientific and Technical Reports, Dissertations and Academic Papers" specifies the format for writing scientific and technical reports, dissertations and academic papers. The writing requirements and format of academic papers are uniformly stipulated. GB/T 7713 is planned to consist of 4 parts.

- 1.Dissertation. The purpose is to specify the format and requirements for writing a dissertation.
- 2.Academic Papers. The purpose is to specify the writing format and layout requirements of academic papers.
- 3.Scientific and technological reports. The purpose is to specify the requirements for the writing, organization and layout of scientific and technological reports.
- 4.Data Papers. The purpose is to specify the components, writing format and layout requirements of data papers. Given that data papers have become a new and increasingly important type of literature in the context of open science, the purpose of this document is to define data papers. The components, writing format and layout requirements of data papers mainly include the content elements and format specifications of data papers, covering but not limited to the expression of content Completeness, clarity of structure and organization, standardization of format and style, standardization of language and symbols, and standards in terms of technology and measurement units describe. This document will facilitate the writing, organization, retrieval, dissemination, citation and reuse of data papers, and better realize Research data sharing and application to promote the

development of open science. The scope of application of this document takes into account the particularities of various disciplines. There are differences in data quality control, data content, data sharing, data security and ethical protection. When compiling data papers based on this document, it is advisable to take both strict Prudence and flexibility.

Information and Documentation Writing Rules Part

1 Scope

Part 4 of China's national standard on the presentation of documentation, covering data papers. A data paper is a recent and genuinely useful invention in scholarly publishing: a peer-reviewed article whose subject is a dataset rather than a finding. It describes what was collected, how, with what instruments and what quality control, and where the data can be obtained - and because it is a citable publication, it gives the people who assembled the data the credit that the academic system otherwise reserves for those who analyse it. That incentive is the whole point, because the shortage in data-intensive research is not analysis but well-documented, properly deposited data. Standardising the structure matters for the same reason a dataset needs metadata: a data paper is useful only if a reader can determine from it whether the data suit their purpose. This document specifies the components and the format of a data paper, and applies to data papers in all forms of dissemination including print, microform and electronic.

This document specifies the components and format of a data paper. This document applies to data papers in all forms of dissemination, including print, microform, and electronic versions.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 3101 General rules for quantities, units and symbols

GB/T 3102.1 Quantities and units of space and time

GB/T 3102.2 Quantities and units of period and related phenomena

GB/T 3102.3 Quantities and units in mechanics

GB/T 3102.4 Thermal quantities and units

GB/T 3102.5 Electrical and magnetic quantities and units

GB/T 3102.6 Quantities and units of light and related electromagnetic radiation

GB/T 3102.7 Acoustic quantities and units

GB/T 3102.8 Quantities and units in physical chemistry and molecular physics

GB/T 3102.9 Quantities and units in atomic and nuclear physics

GB/T 3102.10 Quantities and units of nuclear reactions and ionizing radiation

GB/T 3102.11 Mathematical symbols used in physical sciences and technology

GB/T 3102.12 Characteristic number

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