WDC-RRE data documentation

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I. Dataset/atlas content features

i.Abstract

The Abstract is an overview of the contents of the dataset/atlas.

ii.Elements (content fields)

The list describes the feature items (content fields) contained in the dataset/atlas. The code dictionary table should be given if the element is a code, and the meaning of the code should be indicated. Each data file (layer) should be described accordingly if the datasets/atlas have multiple data files (layers).

Table 1 Description of data element content

Data name	Item (field)	Field name in Chinese	Field measure unit	Field code description	Remarks

iii.Temporal cover

Temporal cover means the time information of the dataset/atlas content that can be recorded as a time point or a time period (start time and end time).

iv.Spatial cover

The spatial information of the dataset/atlas includes the location description information or the latitude and longitude coordinates (latitude and longitude data should follow the format of degree, minute and second). It can be a single location or a spatial range (latitude and longitude coordinates in the upper left and lower right corners).

II. Subject/industry scope of dataset/atlas

i.Subject scope

The subject classification of the dataset/atlas is based on the "Subject Classification and Code (GB/T 13745-2008)". The general requirements of a primary classification or a number of auxiliary classifications should reach the second level of classification, and may also reach the third level of classification.

ii.Industry scope

The industry classification of the dataset/atlas is based on the "Industry Classification of National Economy and Code Table (GB/T 4754-2002)". The general requirements of a primary classification or a number of auxiliary classifications should reach the second level of classification, and may also reach the third level of classification.

iii.Other classifications (optional)

Other categories can be applied, but should reflect the dataset/atlas characteristics.

III. Accuracy of dataset/atlas

i.Time frequency

Time frequency is the representation content of datasets/atlas' time frequency, such as multi-year average, average, monthly, daily, yearly, month by month, day or hour.

ii.Spatial reference, accuracy, and granularity

This part is the spatial reference, accuracy, and granularity of datasets/atlas. The spatial reference includes coordinate system, projection mode, elevation system, etc. Spatial accuracy means the vector data scale or raster data resolution, etc. Spatial granularity is in accordance with the continent, the state, province, county, and other divisions.

IV. Dataset/atlas storage management

i. Data quantity

Data quantity means dataset/atlas' data volume (in MB) or record number (for monitoring data or table data).

ii. Type format

Type format means dataset/atlas storage medium (paper and electronic media, including CD, hard disk, server, etc.), structure type (text, table, vector, raster, etc.), and its specific format and version.

iii. Update management

Dataset/atlas update plan: the data provider should indicate whether there is a data update plan, and if necessary, specify the update frequency and the person responsible for it. The information of the person responsible for updating management includes institute name, name of the person responsible, contact information (mailing address, telephone, and e-mail), and other relevant information.

V. Quality control of the dataset/atlas

i. Data sources (condition selection)

The source, accuracy of the raw data, and scope of application for the raw data collected, purchased, exchanged, and shared and the data generated by processing must be explained. You may leave this blank and indicate "self-built" when the dataset is the first-hand observation data.

ii. Methods of the data acquisition and processing (condition selection)

For the data of collection, monitoring, testing, processing, must explain the collection and the processing methods. The specifications include the equipment, standards, and methods for data acquisition, monitoring, testing, and usage and methods and models (the model origin and parameters) or software of processing, calculation method, and the methods (standards, etc.) of error control and processing. The data provider may leave this blank and just indicate "raw data, without processing" when the dataset is the original acquisition without any processing.

VI. Sharing and usage method of the dataset/atlas

i. Sharing methods and restrictions

The sharing method can be one of three possible types: full and open sharing, agreement sharing, and temporarily unshared. Full and open sharing is when the user can freely access the dataset/atlas. Agreement sharing means obtaining a dataset/atlas after signing a shared agreement with an application for the responsible party or a delegated regulatory agency. Temporarily unshared means that the data cannot be accessed at present or only be shared after the approval of the management department. Agreement sharing needs to explain the specific requirements, while temporarily unshared needs to explain the reasons and the limit of the open time.

ii. Contact information of the sharing service (condition selection)

Full and open sharing need to provide an online link address or a service contact. Protocol sharing needs to provide the time and contact information of the service. The data provider may leave this blank and just indicate "service provided by the collection management institute" if the dataset/atlas is only served by the collection management institution.

iii. Conditions and methods of usage

The environmental conditions when to use the datasets/atlas should be provided, including the necessary software tools, hardware requirements, and operation of the steps, methods, or precautions.

VII. Intellectual property rights of the dataset/atlas

i. Property rights (optional)

The dataset/atlas property ownership information includes the property owner contact information.

ii.**Reference method of the dataset/atlas**

Dataset/atlas usage statement and citation: usage statement refers to identify the dataset/atlas used in the user's research results text, while citation refers to identify the dataset/atlas used in the references of the research results, or list must be referenced published papers or monographs closely related to the dataset/atlas. It can be in either Chinese or English form.

The usage statement can follow the following method: Author. Dataset/atlas name (Version). Establishment organization [Establishment organization], Establishment time. Communication agency, [Communication agency], Communication time. Unique identifier. the resolved addresses.

iii.**Usage contacts of the datasets/atlas**

The contact persons or agencies, who curate the data and provide a data sharing service, should be listed, including their name, address, postcode, telephone, and e-mail.

VIII.   Others (optional)

In addition to the above, other information must also be explained.

Data documentation author information				
Data documentation author		Update time		
Organization				
Contact information				
Address			Postcode	
Telephone		E-mail		

If there are any suggestions or comments about this document, please contact us:

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