Cold damage and snow damage data of 1952-2018 in Beijing

Data Documentation

I. Dataset/atlas content features

i.Abstract

The main contents of the cold damage and snow damage in Beijing are the cold damage and snow damage since 1952, including the date of the cold damage and snow damage in the city of Beijing, the snowfall, the snow depth, the glaze duration, temperature, instantaneous wind speed, etc.

ii.Elements (content fields)

Table 1 Description of data element content

Data name	Item (field)	Field name in Chinese	Field measure unit	Field code description	Remarks
Cold Damage and Snow Damage in Beijing	date	Shijian			
Cold Damage and Snow Damage in Beijing	snowfall	Xueliang	mm		
Cold Damage and Snow Damage in Beijing	snow depth	Jixueshendu	cm		
Cold Damage and Snow Damage in Beijing	glaze duration	Yusong,lumi-anjibingchixu-shijian	h、min		
Cold Damage and Snow Damage in Beijing	temperature	Wendu	℃		
Cold Damage and Snow Damage in Beijing	instantaneous wind speed	Shunshijidafe-ngsu	m/s		

iii.Temporal cover

The time of this dataset is 1952.12.18-2018.1.25

iv.Spatial cover

Beijing urban area.

II. Subject/industry scope of dataset/atlas

i.Subject scope

170 Geosciences 17015 Atmosphere Science 1701535 Climatology
560 Civil Engineering and Building Construction 56015 Basic Disciplines of Civil Engineering and Building Construction 5601530 Architectural Meteorology
560 Civil Engineering and Building Construction 56055 Municipal Engineering
570 Hydraulic Engineering 57065 Flood Control 5706510 Flood Control
5706520 Flood Prevention
610 Environmental Science and Technology and Resource Science and Technology, 61010 Basic Science of Environmental Science and Technology, 6101025 Environmental Meteorology.

ii.Industry scope

F Transportation, Warehousing and Postal Services, 51 Railway Transportation Industry 52 Road Transportation Industry 53City Public Transportation Industry 54 Water Transportation Industry
55 Air Transportation Industry
M Scientific Research, Technical Services and Geological Prospecting Industry, 7610 Meteorological Services 7673 Planning Management
N Water Conservancy, Environment and Public Facilities Management Industry, 7910 Food Control Management 8110 Municipal Public Facilities Management

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

0.0161MB

ii.Type format

The dataset is stored in the hard disk and it is table data

iii.Update management

Dataset update plan: Aperiodic updating.

V. Quality control of the dataset/atlas

i.Production mode

Data of cold damage and snow damage disaster in Beijing in（2016-Now）was obtained based on Beijing Meteorological Service *http://www.bjmb.gov.cn/*
National Meteorological Information Center *http://data.cma.cn/*
China Meteorological Calamity Code (Beijing volume)
China Meteorological Disaster Yearbook(2005-2016)and electronic, digital, integrated conversion, standardized processing, computational simulation.

ii.Data sources (condition selection)

Source of data source: Beijing Meteorological Service *http://www.bjmb.gov.cn/*
National Meteorological Information Center *http://data.cma.cn/*
Kegang Wen.China Meteorological Disaster Code (Beijing volume) [M]. Beijing:Meteorological Press, 2005.12.
Lianchun Song.China Meteorological Disaster Yearbook (2005)[M].Beijing:Meteorological Press.2006.1
Wenjie Dong .China Meteorological Disaster Yearbook (2006)[M].Beijing:Meteorological Press.2007.2
Wenjie Dong .China Meteorological Disaster Yearbook (2007)[M].Beijing:Meteorological Press.2007.12
Ziniu Xiao.China Meteorological Disaster Yearbook (2008)[M].Beijing:Meteorological Press.2008.12
Ziniu Xiao.China Meteorological Disaster Yearbook (2009)[M].Beijing:Meteorological Press.2009.11
Lianchun Song.China Meteorological Disaster Yearbook (2010)[M].Beijing:Meteorological Press.2010.11
Lianchun Song.China Meteorological Disaster Yearbook (2011)[M].Beijing:Meteorological Press.2012.3
Lianchun Song.China Meteorological Disaster Yearbook (2012)[M].Beijing:Meteorological Press.2012.9
Lianchun Song.China Meteorological Disaster Yearbook (2013)[M].Beijing:Meteorological Press.2013.12
Lianchun Song、Yida Fan.China Meteorological Disaster Yearbook (2014)[M].Beijing:Meteorological Press.2015.7
Lianchun Song.China Meteorological Disaster Yearbook (2015)[M].Beijing:Meteorological Press.2016.11
Lianchun Song.China Meteorological Disaster Yearbook (2016)[M].Beijing:Meteorological Press.2016.12

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

Acquisition method: Book sorting on the net and field survey.
Processing method: Data registration and Object-oriented classification method.

VI. Sharing and usage method of the dataset/atlas

i.Sharing methods and restrictions

Fully opened sharing

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

Contact Information for Service：No. 46,Zhongguancun South Street, Haidian District, Beijing

iii.Conditions and methods of usage

The dataset can be read by excel software

VII. Intellectual property rights of the dataset/atlas

i.Property rights (optional)

Dataset ownership information:Institute of Geographic Sciences and Natural Resources Research, CAS

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

<*Cold damage and snow damage in Beijing* Dataset/Institute of Geographic Sciences and Natural Resources Research, CAS>

iii. Usage contacts of the datasets/atlas

Name: Service group of Disaster Risk Reduction Knowledge Service System of IKCEST
Address: A11 Datun Road, Chaoyang District, Beijing .
Postcode: 100101
Telephone: 010-64889048-8006
Email: ikcest-drr@lreis.ac.cn

VIII. Others (optional)

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

Data documentation author information				
Data documentation author	Wang Lantao	Update time		
Organization	Wuhan university			
Contact information	15972116781			
Address	Luojia mountain in Wuchang District, Wuhan, Hubei		Postcode	430061
Telephone	15972116781	E-mail	894637137@qq.com	