

Cold Damage and Snow disaster in Hangzhou 1951~2016

I. Dataset/atlas content features

i. Abstract

The main contents of Cold Damage and Snow disaster in Hangzhou 1951~2016 are the major low-temperature freezing and snow disasters since 1951, mainly including the time and date of Hangzhou low-temperature freezing and snow disasters, snow depth, temperature, instantaneous maximum wind speed, casualties and other losses.

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 disaster in Hangzhou	date	Shijian			
Cold Damage and Snow disaster in Hangzhou	Snow Depth	Jixueshendu			
Cold Damage and Snow disaster in Hangzhou	Temperature	Qiwen	mm		

iii. Temporal cover

The time of this dataset is 1951.11.22-2016.1.23

iv. Spatial cover

Hangzhou 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 53 City 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

0.0112MB

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 rainstorm and flood in Hangzhou in (1949-2016) was obtained based on Hangzhou Meteorological Service <http://zj.cma.gov.cn/ds qx/hzs qxj/>
China Meteorological Calamity Code (Zhejiang 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:

Hangzhou Meteorological Service <http://zj.cma.gov.cn/ds qx/hzs qxj/>

Hangzhou Digital Local Records Museum <http://hzszfzg.wf.sh.cn/frontIndex/init.html>

Zhejiang Meteorological Service. Zhejiang province meteorological disasters yearbook

Kegang Wen. China Meteorological Disaster Code (Beijing volume) [M]. Beijing: Meteorological Press, 2005.12.

Zhengtai Ren. China Hangzhou yearbook 2001 [M]. Hangzhou : FangZhi Press, 2001.8

Xiaofu Xu. China Hangzhou yearbook 2003 [M]. Hangzhou : FangZhi Press, 2003.9

Xiaofu Xu. China Hangzhou yearbook 2006 [M]. Hangzhou : FangZhi Press, 2006.10

Xiaofu Xu. China Hangzhou yearbook 2007 [M]. Hangzhou : FangZhi Press, 2007.10

Baoshui Xu. China Hangzhou yearbook 2009 [M]. Hangzhou : FangZhi Press, 2009.9
 Baoshui Xu. China Hangzhou yearbook 2011 [M]. Hangzhou : FangZhi Press, 2011.9
 Baoshui Xu. China Hangzhou yearbook 2012 [M]. Hangzhou : FangZhi Press, 2012.10
 Lianchun Song Yida Fan. China Meteorological Disaster Yearbook (2014)[M]. Beijing: Meteorological Press. 2015.7
 Digang Ding. China Hangzhou yearbook 2017 [M]. Hangzhou : FangZhi Press, 2017.12

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 disaster in Hangzhou 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.

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