

### **Fog and Rime disaster in Hangzhou 1997~2013**

#### **I. Dataset/atlas content features**

##### **i. Abstract**

Fog and Rime disaster in Hangzhou 1997~2013 mainly covers the major fog and haze disasters since 1997, mainly including the time, date and visibility of fog and haze disasters in Hangzhou.

##### **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
Fog and Rime disaster in Hangzhou	date	Shijian			
Fog and Rime disaster in Hangzhou	Visibility	Nengjiandu	m		
Fog and Rime disaster in Hangzhou	Type	Zhonglei			

##### **iii. Temporal cover**

The time of this dataset is 1997.12.30-2013.12.9

##### **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**

0.0110MB

#### **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 (1997-2013) was obtained based on Hangzhou Meteorological Service <http://zj.cma.gov.cn/dsqx/hzsqxj/>  
China Meteorological Calamity Code (Zhejiang volume)  
China Meteorological Disaster Yearbook (2005-2013) 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/dsqx/hzsqxj/>

Hangzhou Digital Local Records Museum <http://hzsfzg.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.

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

Baoshui Xu. China Hangzhou yearbook 2008 [M]. Hangzhou : FangZhi Press, 2008.10

Baoshui Xu. China Hangzhou yearbook 2010 [M]. Hangzhou : FangZhi Press, 2010.9

Lianchun Son, Yida Fan. China Meteorological Disaster Yearbook (2014)[M]. Beijing: Meteorological Press, 2015.7

#### **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

<Fog and Rime 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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