Gale disaster in Shanghai 1846-2006

Data Documentation

I. Dataset/atlas content features

i.Abstract

The main contents of the Shanghai gale disaster are the gale disasters from 1846 to 2006, mainly including the time points or time periods, the stations and the maximum wind speed, and so on in Shanghai city.

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
gale disaster in Shanghai	time	Shijian			
gale disaster in Shanghai	site	Zhandian			
gale disaster in Shanghai	Maximum wind speed	Jidafengsu	m/s		

iii.Temporal cover

The time of this dataset is 1846.06.27 - 2006.04.19

iv.Spatial cover

Shanghai 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.

i. 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

0.0119MB

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 gale disaster in Shanghai in（1846-2006）was obtained based on

Shanghai Meteorological Service *http://www.smb.gov.cn/index.html*

China Meteorological Calamity Code (Shanghai 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:

Shanghai Meteorological Service *http://www.smb.gov.cn/index.html*

Wen Ke gang. China Meteorological Disaster code (Shanghai volume) [M]. Meteorological Press, 2008: beginning and ending page number.

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

Ziniu Xiao.China Meteorological Disaster Yearbook （2008)[M].Beijing:Meteorological Press.2008.12

Lianchun Song.China Meteorological Disaster Yearbook （2012)[M].Beijing:Meteorological Press.2012.9

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：Editorial board of the China Meteorological Calamity code

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)

The property of the dataset belongs to the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences.

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

Gale disaster in Shanghai 1846-2006.Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO,2019.04.01.http://drr.ikcest.org/info/9b2da.

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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