Cold Wave and Cold Damage in Guangzhou 1950~2011

I. Dataset/Atlas Content Features

i. Abstract

The main contents of Cold Wave and Cold Damage in Guangzhou 1950~2011 are the major cold wave and low temperature disasters from 1950 to 2011, mainly including the time, date and extent of the cold wave and low temperature disasters in Guangzhou.

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
Collection of cold wave, low temperature and cold damage disasters in Guangzhou	time and date	time			
Collection of cold wave, low temperature and cold damage disasters in Guangzhou	degree of disaster	degree of disaster			

iii. Time range

Time range of storm and flood disasters in Guangzhou: 1950. 12- 2011.4.28

iv. Spatial scope

Guangzhou urban area

II. Data set/atlas subject, industry scope

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. Dataset/Atlas Accuracy

i. Time frequency

The time frequency of data set/atlas content representation, such as multi-year average, annual average, monthly average, daily average, year by year, month by month, day by day or hour, etc.

ii. Spatial reference, accuracy, and granularity

Spatial datum (coordinate system, projection method, elevation system, etc.), spatial precision (scale of vector data or resolution of raster data, etc.), spatial granularity (continent, country, province, etc.) of data set/atlas content representation , sub-counties, etc.).

IV. Dataset/atlas storage management

i. Data quantity

0.0121MB

ii. Type format

The storage medium of the dataset is electronic medium (CD-ROM), and the structure type is table

iii. Update management

Data set update plan: refer to the data publication cycle, and update it irregularly.

V. Quality control of the dataset/atlas

i. Method of production

Processing data: Electronic, digitized and standardized processing of "China Meteorological Disaster Encyclopedia - Guangdong Volume", "China Meteorological Disaster Yearbook" and other network data.

ii. Data sources (condition selection)

Source of data source:

Wen Kegang , Song Lili, Tang Haiyan, etc. China Meteorological Disaster Encyclopedia (Guangdong Volume) [M]. Beijing: Meteorological Press, 2005: 96-118.
Dong Wenjie , Zhang Qiang, Guo Jinxiu, etc. China Meteorological Disaster Yearbook (2005) [M]. Beijing: Meteorological Press, 2006: 131-133.
Dong Wenjie , Zhang Qiang, Guo Jinxiu, etc. China Meteorological Disaster Yearbook (2006) [M]. Beijing: Meteorological Press, 2007: 149-151.
Dong Wenjie , Zhang Qiang, Guo Jinxiu, etc. China Meteorological Disaster Yearbook (2007) [M]. Beijing: Meteorological Press, 2007: 166-168.
Xiao Ziniu , Chen Yu, Gao Rong, etc. China Meteorological Disaster Yearbook (2008) [M]. Beijing: Meteorological Press, 2008: 157-159.
Xiao Ziniu , Chen Yu, Gao Rong, etc. China Meteorological Disaster Yearbook (2009) [M]. Beijing:

Meteorological Press, 2009: 129-130.
Song Lianchun , Wang Ling, Zhao Shanshan, etc. China Meteorological Disaster Yearbook (2010) [M]. Beijing: Meteorological Press, 2010: 141-143.
Lianchun , Wang Youmin, Chen Yanyan, etc. China Meteorological Disaster Yearbook (2011) [M]. Beijing: Meteorological Press, 2012: 132-134.
Lianchun , Zhao Shanshan, Liu Bo. China Meteorological Disaster Yearbook (2012) [M]. Beijing: Meteorological Press. 2012: 139-141.
Song Lianchun , Liao Yaoming, Li Ying, etc. China Meteorological Disaster Yearbook (2013) [M]. Beijing: Meteorological Press, 2013: 144-145.
Song Lianchun , Fan Yiyi, Song Yanling, etc. China Meteorological Disaster Yearbook (2014) [M]. Beijing: Meteorological Press, 2015: 153-155.
Song Lianchun , Zhai Jianqing, Su Buda. China Meteorological Disaster Yearbook (2015) [M]. Beijing: Meteorological Press, 2016: 140-141.
Lianchun , Zhao Shanshan, Duan Juqi. China Meteorological Disaster Yearbook (2016) [M]. Beijing: Meteorological Press, 2017: 132-134.

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

Collection methods: book sorting, network collection.
Processing methods: Data registration and object-oriented classification methods.

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

<*Storage and Flood Disaster Collection in Guangzhou/Institute of Geographical 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: No. 11, 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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