Fog and haze disaster data of 1990-2017 in Beijing

Data Documentation

I. **Dataset/atlas content features**

   i. **Abstract**

The main contents of the Fog and Haze Disaster in Beijing are the fog and haze disaster since 1990, including the date of the fog and haze disaster in the city of Beijing, the visibility , 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
Fog and Haze Disaster in Beijing	date	Shijian			
Fog and Haze Disaster in Beijing	visibility	Nengjiandu	m		
Fog and Haze Disaster in Beijing	type	Zhonglei			

   iii. **Temporal cover**

The time of this dataset is 1990.2.16-2017.1.7

   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

0.0109MB

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 fog and Haze disaster in Beijing in （1990-Now） was obtained based on

Beijing Meteorological Service *http://www.bjmb.gov.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/*

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

<*Fog and Haze Disaster 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.

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