Cold wave and heavy snow disaster in Shanghai 1841-2008

Data Documentation

I. Dataset/atlas content features
i. Abstract
The main content of the cold wave and heavy snow disasters in Shanghai is the major cold wave and heavy snow disaster from 1841 to 2008, mainly including the time point or time period and degree of occurrence of cold wave and heavy snow in Shanghai.

ii. Elements (content fields)

<table>
<thead>
<tr>
<th>Data name</th>
<th>Item (field)</th>
<th>Field name in Chinese</th>
<th>Field measure unit</th>
<th>Field code description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A cold wave, heavy snow disaster in Shanghai</td>
<td>Time</td>
<td>Shijian</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Degree</td>
<td>Chengdu</td>
<td></td>
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</tr>
</tbody>
</table>

iii. Temporal cover
The time of this dataset is 1841-2008.01.29.

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 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

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
0.01MB

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 A cold wave, heavy snow in Shanghai in (1841-2008) was obtained based on Shanghai Meteorological Service [http://www.smb.gov.cn/index.html](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:

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
Cold wave and heavy snow disaster in Shanghai 1841-2008. 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/97a34.

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.

<table>
<thead>
<tr>
<th>Data documentation author information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data documentation author</td>
</tr>
<tr>
<td>Organization</td>
</tr>
<tr>
<td>Contact information</td>
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<tr>
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