A Big Earth Data Platform for Three Poles

**Distribution map of frozen ground in China based on Map of Snow, Ice and Frozen Ground in China (1998)**

1、Description

The scanned picture of the Map of Snow Ice and Frozen Ground in China (1:4,000,000) (Shi Yafeng, Meidesheng, 1988) is geometrically corrected and then digitized in the data set, and by taking altitude and latitude into account in combination with the continuity of permafrost, the frozen soil is divided into the predominant permafrost of high-latitude permafrost, island talik permafrost and island permafrost; high-altitude permafrost and mountain permafrost (including Altai, Tianshan Mountain, Qilian Mountain, Hengduan, the Himalayas and Taibai Mountain in East China, Huanggangliang and Changbai Mountain), and the plateau permafrost (the Tibetan Plateau), which is divided into predominant permafrost and island permafrost; and seasonal frozen soil, instantaneous frozen soil and nonfrozen areas.

2、Keywords

Theme：Frozen ground distribution,Frozen Ground  
Discipline：Cryosphere  
Places：China  
Time：1988

3、Data details

1.Scale：4000000

2.Projection：

3.Filesize：100.0MB

4.Data format：SHP

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：95.0 | - | east：103.0 |
| - | south：36.0 | - |

5、Time frame:1998-01-07 00:00:00+00:00--1999-01-06 00:00:00+00:00

6、Reference method

References to data:

SHI Yafeng, MI Desheng. Distribution map of frozen ground in China based on Map of Snow, Ice and Frozen Ground in China (1998). A Big Earth Data Platform for Three Poles, doi:10.3972/westdc.0078.2013.db2013

References to articles:

施雅风, 米德生. (1988). 中国冰雪冻土图（1：400万）[M]. 北京: 中国地图出版社.

7、Supporting project information

8、Data resource provider

name: SHI Yafeng  
unit: s Environmental and Engineering Research Institute，Chinese Academy of Sciences  
email: NONE  
  
name: MI Desheng  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, CAS  
email: None