A Big Earth Data Platform for Three Poles

**The frozen soil type map of Kazakhstan (1:10,000,000) (2000)**

1、Description

The frozen soil type map of Kazakhstan (1:10,000,000) includes three .shp vector layers:  
1, Polyline ranges.shp, indicating the extent of frozen soil;  
2, Polygon kaz\_perm.shp, frozen soil;  
3, An attribute description Word file.  
  
The kaz\_perm attribute table includes four fields: ID, REGION, SUBREGION, M\_RANGE.  
Comparison of the main attributes:   
First, Area  
I. Altai-TienShan  
Second, Region:  
High mountains  
I.1. Altai, I.2. Saur-Tarbagatai, I.3.Dzhungarskyi, I.4. Northern Tien Shan, I.5. Western Tien Shan  
Intermountain depressions  
I.6. Zaysanskyi, I.7. Alakulskyi, I.8. Iliyskyi  
II. Western Siberian  
  
Second, Region:  
Planes  
II.1. Northern Kazakhstanskyi  
V. Western Kazakhstanskaya  
III. Kazakh small hills area  
IV. Turanskaya:  
IV.1. Turgayskyi  
IV.2. Near Aaralskyi  
IV.3. Chuysko-Syrdaryinskyi  
IV.4. South-Balkhashskyi  
V. Western Kazakhstanskaya:  
V.1. Mugodzhar-Uralskyi  
V.2. Near Caspian  
V.3. manghyshlak-Ustyrtskyi  
  
Third, Sub-region:  
I.1.1. Western Altai  
I.1.2. South Altai  
I.1.3. Kalbinskyi  
I.2.1. Tarbagatayskyi  
I.2.2. Saurskyi  
I.3.1. Nortern Dzhungarskyi  
I.3.2. Western Dzhungarskyi  
I.3.3. Southern Dzhungarskyi  
I.4.1. Kirgizskyi Alatau  
I.4.2. Zailiyskyi-Kungeyskyi  
I.4.3. Ketmenskyi  
I.4.4. Bayankolskyi  
I.5.1. Karatauskyi  
I.5.2. Talaso-Ugamskyi  
  
The layer projection information is as follows:  
GEOGCS["GCS\_WGS\_1984",  
DATUM["WGS\_1984", SPHEROID["WGS\_1984", 6378137.0, 298.257223563]],  
PRIMEM["Greenwich", 0.0],  
UNIT["Degree",0.0174532925199433]]  
  
Different regions feature different frozen soil attributes, and the specific attribute information can be found in the Word file.

2、Keywords

Theme：Frozen ground distribution,Frozen Ground  
Discipline：Cryosphere  
Places：Kazakhstan  
Time：2000

3、Data details

1.Scale：10000000

2.Projection：Lambert Azimuthal

3.Filesize：0.81MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：55.44 | - |
| west：48.07 | - | east：87.46 |
| - | south：40.1 | - |

5、Time frame:2000-01-06 16:00:00+00:00--2001-01-05 16:00:00+00:00

6、Reference method

References to data:

Sergei Marchenko. The frozen soil type map of Kazakhstan (1:10,000,000) (2000). A Big Earth Data Platform for Three Poles, 2011

References to articles:

7、Supporting project information

8、Data resource provider

name: Sergei Marchenko  
unit: University of Alaska Fairbanks  
email: data@itpcas.ac.cn