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

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