A Big Earth Data Platform for Three Poles

**Permafrost map of China and its neighbors based on Circum-Arctic Map of Permafrost and Ground Ice Conditions (2001)**

1、Description

Field description:
Num\_code (Frozen soil attribute code)
Combo (Permafrost properties)
extent (Extent of frozen ground)
content (Ice content)

Attributes comparison are as follows:
(1) Comparison table of frozen soil properties:
0 (No information)
1 - chf (Continuous permafrost extent with high ground ice content and thick overburden)
2 - dhf (Discontinuous permafrost extent with high ground ice content and thick overburden)
3 - shf (Sporadic permafrost extent with high ground ice content and thick overburden)
4 - ihf (Isolated patches of permafrost extent with high ground ice content and thick overburden)
5 - cmf (Continuous permafrost extent with medium ground ice content and thick overburden)
6 - dmf (Discontinuous permafrost extent with medium ground ice content and thick overburden)
7 - smf (Sporadic permafrost extent with medium ground ice content and thick overburden)
8 - imf (Isolated patches of permafrost extent with medium ground ice content and thick overburden)
9 - clf (Continuous permafrost extent with low ground ice content and thick overburden)
10 - dlf (Discontinuous permafrost extent with low ground ice content and thick overburden)
11 - slf (Sporadic permafrost extent with low ground ice content and thick overburden)
12 - ilf (Isolated patches of permafrost extent with low ground ice content and thick overburden)
13 - chr (Continuous permafrost extent with high ground ice content and thin overburden and exposed bedrock)
14 - dhr (Discontinuous permafrost extent with high ground ice content and thin overburden and exposed bedrock)
15 - shr (Sporadic permafrost extent with high ground ice content and thin overburden and exposed bedrock)
16 - ihr (Isolated patches of permafrost extent with high ground ice content and thin overburden and exposed bedrock)
17 - clr (Continuous permafrost extent with low ground ice content and thin overburden and exposed bedrock)
18 - dlr (Discontinuous permafrost extent with low ground ice content and thin overburden and exposed bedrock)
19 - slr (Sporadic permafrost extent with low ground ice content and thin overburden and exposed bedrock)
20 - ilr (Isolated patches of permafrost extent with low ground ice content and thin overburden and exposed bedrock)
21 - g (Glaciers)
22 - r (Relict permafrost)
23 - l (Inland lakes)
24 - o (Ocean/inland seas)
25 - ld (Land)

(2) Comparison table of frozen soil scope
c = continuous (90-100%)
d = discontinuous (50- 90%)
s = sporadic (10- 50%)
i = isolated patches (0 - 10%)

(3) Ice content comparison table
h = high (>20% for "f" landform codes) (>10% for "r" landform codes)
m = medium (10-20%)
l = low (0-10%)

2、Keywords

Theme：Frozen ground distribution,Frozen Ground
Discipline：Cryosphere
Places：China, Periphery of China
Time：2001

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1.7MB

4.Data format：Esri Shapefile

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：60.0 | - |
| west：60.0 | - | east：140.0 |
| - | south：10.0 | - |

5、Time frame:2001-01-10 08:00:00+00:00--2002-01-09 19:59:59+00:00

6、Reference method

References to data:

WU Lizong, National Snow and Ice Data Center（NSIDC）. Permafrost map of China and its neighbors based on Circum-Arctic Map of Permafrost and Ground Ice Conditions (2001). A Big Earth Data Platform for Three Poles, 2013

References to articles:

Brown, J., O.J. Ferrians, Jr., J.A. Heginbottom, and E.S. Melnikov. 1998, revised February 2001. Circum-arctic map of permafrost and ground ice conditions. Boulder, CO: National Snow and Ice Data Center. Digital media.

7、Supporting project information

8、Data resource provider

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