A Big Earth Data Platform for Three Poles

**Inventory of glaciers in Pakistan (2003-2004)**

1、Description

This dataset is the spatial distribution map of the marshes in the source area of the Yellow River near the Zaling Lake-Eling Lake, covering an area of about 21,000 square kilometers. The data set is classified by the Landsat 8 image through an expert decision tree and corrected by manual visual interpretation. The spatial resolution of the image is 30m, using the WGS 1984 UTM projected coordinate system, and the data format is grid format. The image is divided into five types of land, the land type 1 is “water body”, the land type 2 is “high-cover vegetation”, the land type 3 is “naked land”, and the land type 4 is “low-cover vegetation”, and the land type 5 is For "marsh", low-coverage vegetation and high-coverage vegetation are distinguished by vegetation coverage. The threshold is 0.1 to 0.4 for low-cover vegetation and 0.4 to 1 for high-cover vegetation.

2、Keywords

Theme：glacier inventory,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Pakistan
Time：2004, 2003

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：60.0MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.3 | - |
| west：71.0 | - | east：77.5 |
| - | south：33.5 | - |

5、Time frame:2003-01-08 08:00:00+00:00--2005-01-07 08:00:00+00:00

6、Reference method

References to data:

International Centre for Integrated Mountain Development (ICIMOD) , United Nationenvironment Programme/Regional Resourc Centre, Asia and The Pacific (UNEP/RRC-AP). Inventory of glaciers in Pakistan (2003-2004). A Big Earth Data Platform for Three Poles, 2011

References to articles:

Pradeep Kumar Mool, Samjwal Ratna Bajracharya, Basanta Shrestha, Sharad Prasad Joshi, Rakhshan Roohi, Arshad Ashraf. (2005). Inventory of Glaciers and Glacial Lakes and the Identification of Potential Glacial Lake Outburst Floods (GLOFs) Affected by Global Warming in the Mountains of Himalayan Region(Indus Basin Pakistan Himalaya), ICIMOD.

7、Supporting project information

8、Data resource provider

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