A Big Earth Data Platform for Three Poles

**Inventory of glacial lakes in Pakistan (2003-2004)**

1、Description

This glacial lake inventory is supported by the International Centre for Integrated Mountain Development (ICIMOD) and the United Nations Environment Programme/Regional Resource Centre, Asia and The Pacific (UNEP/RRC-AP).  
1. The glacial lake inventory adopts the Landsat remote sensing data and reflects the status of glacial lakes in the Pakistan region from 2003 to 2004.  
2. In terms of spatial coverage, the glacial lake inventory covers the Swat, Chitral, Gilgit, Hunza, Shigar, Shyok, Upper, Indus, Shingo, Astor and Jhelum river basins in the upper reaches of the Indus River.  
3. The glacial lake inventory data include the glacial lake code, glacial lake type, glacial lake area, distance between the glacier and the glacial lake, glaciers related to the glacial lake, etc.  
For detailed descriptions of the data, please refer to the data file and report.

2、Keywords

Theme：Lake ice,Ice lake inventory,Lake ice,Glacier(Ice Sheet)  
Discipline：Cryosphere  
Places：Pakistan, the Himalaya mountains  
Time：2003, 2004

3、Data details

1.Scale：100000

2.Projection：4326

3.Filesize：35.0MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.5 | - |
| west：71.0 | - | east：77.5 |
| - | south：33.5 | - |

5、Time frame:2003-01-06 00:00:00+00:00--2005-01-05 00:00:00+00:00

6、Reference method

References to data:

Basanta Shrestha, Samjwal Ratna Bajracharya Samjwal Ratna Bajracharya, Sharad Prasad Joshi. Inventory of glacial lakes 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 (Ph.D),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

name: Sharad Prasad Joshi  
unit: International Centre for Integrated Mountain Development (ICIMOD)  
email: 无  
  
name: Basanta Shrestha  
unit:   
email: None  
  
name: Samjwal Ratna Bajracharya Samjwal Ratna Bajracharya  
unit:   
email: info@icimod.org