A Big Earth Data Platform for Three Poles

**Glacier inventory dataset of Nepal (2000)**

1、Description

This glacier inventory is supported by the International Centre for Integrated Mountain Development (ICIMOD) and the United Nation Environment Programme/Regional Resources Centre, Asia and The Pacific (UNEP/RRC-AP)。

1、The glacier inventory uses the remote sensing data of Landsat，reflecting the current status of glaciers in Nepal in 2000.
2、The spatial coverage of the glacier inventory: Nepal
3、Contents of the glacier inventory: glacier location, glacier code, glacier name, glacier area, glacier length, glacier thickness, glacier stocks, glacier type, glacier orientation, etc.
4、Data Projection：
Grid Zone IIA

Projection: Lambert conformal conic

Ellipsoid: Everest (India 1956)

Datum: India (India, Nepal)

False easting: 2743196.40

False northing: 914398.80

Central meridian: 90°00'00"E

Central parallel: 26°00'00"N

Scale factor: 0.998786

Standard parallel 1: 23°09'28.17"N

Standard parallel 2: 28°49'8.18"N

Minimum X Value: 1920240

Maximum X Value: 2651760

Minimum Y Value: 914398

Maximum Y Value: 1188720

Grid Zone IIB

Projection: Lambert conformal conic

Ellipsoid: Everest (India 1956)

Datum: India (India, Nepal)

False easting: 2743196.40

False northing: 914398.80

Central meridian: 90°00'00"E

Central parallel: 26°00'00"N

Scale factor: 0.998786

Standard parallel 1: 21°30'00"N

Standard parallel 2: 30°00'00"N

Minimum X Value: 1823188

Maximum X Value: 2000644

Minimum Y Value: 1306643

Maximum Y Value: 1433476
For a detailed data description, please refer to the data file and report.

2、Keywords

Theme：glacier inventory,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Nepal
Time：2000

3、Data details

1.Scale：100000

2.Projection：Lambert conformal conic

3.Filesize：62.0MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.7 | - |
| west：79.5 | - | east：88.5 |
| - | south：26.0 | - |

5、Time frame:2018-11-17 00:00:00+00:00--2018-11-17 00:00:00+00:00

6、Reference method

References to data:

Samjwal Ratna Bajracharya Samjwal Ratna Bajracharya, Sharad Prasad Joshi. Glacier inventory dataset of Nepal (2000). A Big Earth Data Platform for Three Poles, 2011

References to articles:

Pradeep Kumar Mool,Samjwal Ratna Bajracharya,Sharad Prasad Joshi, (2005). Inventory of Glaciers, Glacial Lakes and Glacial Lake Outburst Floods(Monitoring and Early Warning Systems in the Hindu Kush-Himalayan Region Nepal ),ICIMOD.

7、Supporting project information

8、Data resource provider

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