Metadata Information Sheet

1. Identification

FileName:	**glaciers_cci_gi_rgi17s01_TM-ETM_1985-2011_v151215.zip**		
Content:	Glacier inventory northern Patagonia	**Type:**	vector (polygon), shapefile
Creators:	Nico Mölg, Frank Paul	**Institution:**	Department of Geography University of Zurich
Created at:	15.12. 2015	**Funding:**	ESA Glaciers_cci
Entry-ID:	gi_rgi17_001	**Remarks:**	also available in RGI / GLIMS

2. Description

Description: This data set provides three glacier inventories of glaciers in northern Patagonia using satellite scenes from March 7,1985; Feb 21, 2000 and Feb 19, 2011. For each glacier entity, topographic parameters are included in the attribute table of the shapefile.

Methods: Band ratio 3/5 with manual correction of debris cover, seasonal snow, shadow, water. Drainage divides were derived from the ASTER GDEM2 with a watershed algorithm and manually corrected. Zonal statistics are used to derive topographic parameters.

References: Paul, F. and N. Mölg (2014): Hasty retreat of glaciers in northern Patagonia from 1985 to 2011. Journal of Glaciology, 60 (224), 1033-1043.

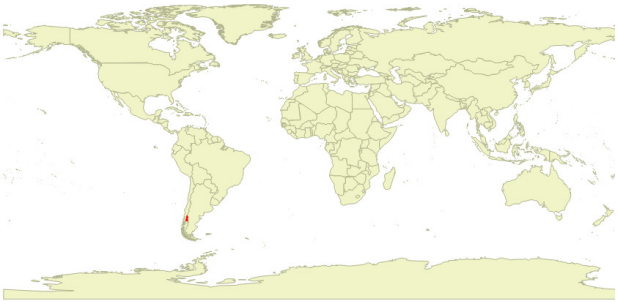
Citation: When using this dataset, please cite the above reference (Paul and Mölg 2014).

3. Source data

Source:	glovis.usgs.gov	**Date (range):**	1985 – 2000 – 2011
Satellites:	Landsat 5 and 7	**Years total:**	25 (in 3 individual years)
Sensors:	TM, ETM+	**Product:**	USGS L1T
Path (range):	232	**Remarks:**	The ASTER GDEM2 was used for drainage divides and topographic parameters
Row (range):	089-090		
Nr. of scenes:	2 (3 times)		

4. Geographic coverage

Country:	Chile, Argentina
Region:	northern Patagonia
RGI Region:	17 (Southern Andes)
Longitude:	71.5-73.0 W
Latitude:	40.5-44.5 S
Projection:	WGS_1984_UTM_zone_18S
Datum:	WGS84
Sampling:	30 m (sensor pixels)



5. Individual data files

Name	A: cci_gi_patagonia_1985 B: cci_gi_patagonia_2000 C: cci_gi_patagonia_2010	
Size	5 MB	**Upload**: 21.12.2015
File 1-7	Shapefiles A: dbf/prj/sbn/sbx/shp/shx/xml	
File 8-14	Shapefiles B: dbf/prj/sbn/sbx/shp/shx/xml	
File 15-21	Shapefiles C: dbf/prj/sbn/sbx/shp/shx/xml	
File 22	Screen shot of geographical coverage	
File 23	This Metadata Information Sheet	

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