

# Metadata Information Sheet

## 1. Identification

<b>LongName</b>	c3s_gi_rgi18_L7_2000_v1.zip		
<b>ShortName</b>	Glacier inventory New Zealand	<b>Type</b>	vector (polygon), shapefile
<b>Creators</b>	Frank Paul, Phillip Rastner Sabine Baumann	<b>Institution</b>	1 University of Zurich 2 DLR
<b>Created at</b>	02.09.2021 (release v1.0)	<b>Funding</b>	ECMWF C3S
<b>Entry ID</b>	xxx	<b>Remarks</b>	submitted to GLIMS

## 2. Description

<b>Description</b>	This is a year 2000 glacier inventory for New Zealand based on the dataset by Baumann et al. (2000) that was derived from Sentinel-2 scenes from 2016. The larger Y2000 extents have been extended from the Y2016 outlines by manual digitising using the Landsat 7 pan band. Ice divides were adjusted from the Y2016 dataset with a 30 m national DEM that was also used to calculate topographic data for each glacier.		
<b>Methods</b>	Manual digitizing starting from 2016 extents by Baumann et al. (2020)		
<b>Dataset</b>	3017 glaciers >0.01 km <sup>2</sup> covering an area of 886 km <sup>2</sup> .		
<b>Uncertainty</b>	Not determined yet.		
<b>References</b>	Baumann et al. (2020): <a href="https://doi.org/10.1017/jog.2020.78">https://doi.org/10.1017/jog.2020.78</a>		
<b>Citation</b>	When using this dataset, please ask FP for a citation (a related publication is in prep.)		

## 3. Source data

<b>Source</b>	earthexplorer.usgs.gov	<b>Date (range)</b>	2000 & 2002
<b>Satellites</b>	Landsat 7	<b>Years total</b>	3
<b>Sensors</b>	ETM+	<b>Product</b>	L1TP
<b>Path (range)</b>	73-76	<b>Remarks</b>	A national DEM was used to correct the original drainage divides and calculate topographic parameters for all glaciers.
<b>Row (range)</b>	87, 89-91		
<b>Nr. of scenes</b>	8		

## 4. Geographic coverage

<b>Country</b>	New Zealand	xxx map insert by Enveo
<b>Region</b>	Northern and Southern Alps	
<b>RGI Region</b>	18 (New Zealand)	
<b>Longitude</b>	167.2 - 175.7 E	
<b>Latitude</b>	39.2 - 44.9 S	
<b>Projection</b>	UTM Zone 59S	
<b>Datum</b>	WGS84	
<b>Sampling</b>	manual digitizing on 15 m bands	

## 5. Data files

<b>Name*</b>	c3s_gi_rgi18_l7_2000.xxx	
<b>Size</b>	5 MB	<b>Upload:</b> xx.xx. 2021
File 1-6	Name + dbf/prj/sbn/sbx/shp/shx	
File 8	Screen shot of geographical coverage	
File 9	This Metadata Information Sheet	

The image to the right is a close-up excluding glaciers on the North Island

