PGC maintains a list of external (non-PGC) polar GIS data resources.

Overview

PGC does not directly publish many polar GIS datasets. However, there are many GIS resources available.

The list below is non-exhaustive, but is a curated list of repositories and datasets that PGC uses and recommends. PGC does not provide support for using any of these datasets.

If you are a polar GIS data provider and would like to add your data to this list, we would love to add you! Just send us a message with details.

GIS Data

Antarctic Digital Database
Vector and raster GIS datasets for Antarctica including coastlines, rock outcrops, contours, hillshades, and more. Maintained by the British Antarctic Survey.

Portal URL: http://www.add.scar.org

Quantarctica
Hundreds of vector and raster GIS and scientific datasets for Antarctica, developed for an offline use using QGIS. Quantarctica version 3.0 was released in February 2018. For researchers who want to get started with geospatial data of Antarctica, this is a great resource. Quantarctica is maintained by the Norwegian Polar Institute.

Portal URL: http://quantarctica.npolar.no/downloads/

SCAR Composite Gazetteer of Antarctica
Antarctic placename gazetteer including named features from SCAR countries. Maintained by Programma Nazionale di Ricerche in Antartide (Italy).


SCAR Map Catalogue
Historic and contemporary Antarctic maps. Maintained by the Australian Antarctic Division.


United States Antarctic Place Names
Official United States Antarctic place names from the U.S. Board on Geographic Names. Note, these names are ingested into the SCAR Composite Gazetteer of Antarctica.

Portal URL: https://geonames.usgs.gov
National Geospatial-Intelligence Agency Arctic Open Data
Publicly released datasets of the Arctic including aeronautical, boundaries, communications, elevation, hydrography, transportation, and natural resources.

Portal URL: http://arctic-nga.opendata.arcgis.com

Arctic Research Mapping Application (ARMAP)
Arctic project locations and ship tracks for National Science Foundation-funded research.

Portal URL: http://armap.org

Natural Resources Canada


Petrochron antarctica
Relational database containing petrological, geochemical and geochronological datasets along with computed rock properties from sampled rocks across Antarctica  Supported by the SCAR Geosciences Group, the INSTANT, SERCE, and PAIS Scientific Research Programmes and the GHF subgroup.

Portal URL: https://unisthaus.maps.arcgis.com/apps/webappviewer/index.html?id=41510d1424d742cc8bb7a0bade72dd9b