

QGreenland Core Quick Start Guide

v2.0.0

1. Download and Install QGIS

Go to www.qgis.org and download the free QGIS software, available on Windows, macOS, Linux and Android. Note that QGIS version 3.16 is the oldest version supported by QGreenland.

2. Download the QGreenland Core Data Package

Download the [QGreenland Core data package](#) (v2.0.0). Unzip and save the folder in a location of your choice. Select the *qgreenland.qgs* file to open the full QGreenland Core data package in QGIS. A complete list of all data layers included in the data package and information about them can be found in the *layer_list.csv* file included in the download package.

3. Analyze QGreenland Data with the Processing Toolbox

The *Processing Toolbox* is a collection of tools and prewritten algorithms that allow the user to perform a wide variety of raster and vector data analyses. The *Processing Toolbox* can be opened in a new panel in the QGIS interface by clicking on the gear icon in the *Attributes Toolbar* or by going to *View -> Panels -> Processing Toolbox Panel* in the *Menu Bar*.

4. Create a Map for Print or Publication

To create a print map from QGreenland data layers, go to *Project -> New Print Layout* or click on the *New Print Layout button* in the *Project Toolbar*. In the *Print Layout* window, click on the *Add Map* button, then click and drag to create a box where the map will appear on the print layout display. Add map components by using the appropriate buttons in the *Toolbox Toolbar* or by going to *Add Item* in the *Menu Bar*.

5. Explore New QGreenland Custom QGIS plugin. Start [here](#) for more information.

6. Cite or Contribute to QGreenland

QGreenland development is open source and available on [GitHub](#). Users can create their own customized QGreenland package leveraging this resource. Users who wish to contribute to the QGreenland project will find instructions on how to do this in our [Contributor documentation](#) on Read the Docs.

QGreenland is licensed under an MIT license - see the [Citing QGreenland](#) section on Read the Docs for the full text of this license. Users should note that published works produced using QGreenland are required to cite each dataset used in the work. QGreenland provides all dataset citation information in each layer's metadata in QGIS and in the layer catalog provided with the QGreenland download package, *layer_list.csv*. You are also required to acknowledge or cite QGreenland and the National Snow and Ice Data Center in your work.

Suggested citation for QGreenland:

Moon, T., Fisher, M., Harden, L., Simonoko, H., and T. Stafford (2022). QGreenland (v2.0.0) [software], [National Snow and Ice Data Center](#).

For more detailed instructions on how to use QGIS and examples of analyzing and querying data using the QGreenland data layers, see the full QGreenland Documentation included in the download package.



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<https://github.com/nsidc/qgreenland>