

Removing Barriers in Greenland-focused research and exploration via QGreenland

What is QGreenland?

QGreenland is an NSF EarthCube funded geospatial tool that works to remove barriers from the geospatial data exploration process by providing a **fully integrated and user-friendly** viewing and mapping environment for Greenland. QGreenland runs on the free and open-source QGIS platform and works offline, making it an accessible tool for use in the field or other places with limited internet connection.

QGreenland supports many uses:

- research planning
- cross-disciplinary data discovery
- creation of production quality maps and figures
- teaching GIS skills and curriculum
- integrating independent Greenland data
- offline in-field data viewing and analysis



OGreenland.org github.com/nsidc/qgreenland · qgreenland.info@gmail.com



QGreenland Products

QGreenland is **delivered in two ways**:

QGreenland Core: a large Zip package containing a **core** set of data layers curated to serve the majority of users. The QGreenland Core zip package contains a:

- QGIS project containing QGreenland Core data layers
- set of folders of data layers organized by topic
- comprehensive user guide full of user how-tos and tutorials
- quick start tutorial on how to get started with QGreenland Core
- comprehensive list of layers and layer metadata
- README file containing information about the project
- CHANGELOG file containing versioning information

QGreenland Custom (beta): The team recently completed development for and released v1.0 of a custom QGIS plugin called QGreenland Custom. QGreenland Custom extends the flexibility and reach of the QGreenland project by providing additional datasets in various topics that are not part of the Core package (e.g., due to filesize restraints). Our team expects this new piece of the QGreenland project to grow our user base and expand our dataset capabilities.

Project Collaborations

De Nationale Geologiske Undersøgelser for Danmark og Grønland Dansmarks Tekniske Universitet Dansmarks Meteorologiske Institut

Arctic Data Committee International Arctic Science Committee WWF-Danmark Pinngortitaleriffik U.S. Polar Geospatial Center Greenland Ecosystem Monitoring

Join the QGreenland community and:

- plugin
- contributions
- material



The QGreenland team is actively expanding the QGreenland user base via workshops and tutorials, developing curriculum for educational use, and completing user research and analyzing results to inform future development.



Greenland Ice Sheet Ocean Science Network N.S.F. Polar Computing RCN Asiaq Isaafik



Get Involved

 download the new version v2.0.0 of QGreenland Core download v1.0.0 of our new QGreenland Custom QGIS

 follow along with QGreenland user how-tos and tutorials • enhance QGreenland with data and/or code

• sign up for the newsletter & use upcoming education

 teach and develop curriculum using QGreenland • leverage QGreenland code for your own GIS project

Next Steps

