

QGreenland Beginner Tutorial Series - Instructor Guide

Source: QGreenland

Activity Summary

In this video series, you will become familiar with QGIS, learn how to download and browse the QGreenland Core data package, and explore the basic geospatial data analysis tools that make QGreenland a powerful tool for research, education, and local decision making. The video tutorial series contains 7 short video sessions, for a total of one hour.

Learning Goals and Outcomes

Students will...

- Learn how to use and interface with the QGreenland package in QGIS
- Explore what data is included in the QGreenland Core Package Analyze Greenland data using geoprocessing tools
- Find analysis tools and data relevant to you or your classes

Context for Use

Topic	Geospatial technology
Course Type	Tutorial
Audience	Beginner GIS and/or QGIS users
Instructional Time	One hour
Context	The beginner's tutorial series is appropriate for those users who are completely new to geographic information systems (GIS) or QGIS. This series is designed to demonstrate step-by-step how to download QGreenland and get started exploring and analyzing data in QGIS.
Materials	Full Beginner's Tutorial Series playlist on YouTube
Materials Prep	Download QGIS and QGreenland to a laptop. For more information, see www.qgis.org and https://qgreenland.org/get-started .

Description and Materials

[Session 1: What is QGreenland?](#)

[Session 2: Introduction to QGIS and QGreenland Core Package](#)

[Session 3: Navigating the Core Package](#)

[Session 4: Layers and Properties](#)



[Session 5: Processing Toolbox and Data Analysis](#)

[Session 6: Editing Existing and New Layers](#)

[Session 7: Preparing Map for Export and Publication](#)

Teaching Notes and Tips

Use this entire series or certain videos to give yourself or your students context and instruction on how to use QGreenland. This series can be played in the classroom with your students or assigned as homework.

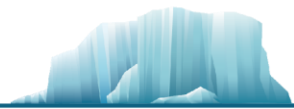
Assessment

While no tailored assessments are designed for this lesson, consider using an exit ticket. See below for some resources on exit tickets:

- Center for Professional Education for Teachers (n. d.) *Exit Tickets as Formative Assessments*. Available at: <https://cpet.tc.columbia.edu/news-press/exit-tickets-as-formative-assessments> (Accessed: 3 September 2026).
- Center for Teaching Excellence (15 March 2024) *Exit Tickets*. Available at: <https://cteresources.bc.edu/documentation/exit-tickets/> (Accessed: 3 September 2026).

References and Resources

- Center for Professional Education for Teachers (n. d.) *Exit Tickets as Formative Assessments*. Available at: <https://cpet.tc.columbia.edu/news-press/exit-tickets-as-formative-assessments> (Accessed: 3 September 2026).
- Center for Teaching Excellence (15 March 2024) *Exit Tickets*. Available at: <https://cteresources.bc.edu/documentation/exit-tickets/> (Accessed: 3 September 2026).
- QGIS (n.d.) *Spatial without Compromise*. Available at: <https://www.qgis.org/> (Accessed: 3 September 2026).
- QGreenland (n.d.) *Get Started*. Available at: <https://qgreenland.org/get-started> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series*. Available at: <https://www.youtube.com/playlist?list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 1: What is QGreenland?*. Available at: <https://www.youtube.com/watch?v=gD0vkP5JUmA&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=3> (Accessed: 4 September 2026).



- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 2: Introduction to QGIS and QGreenland Core Package*. Available at: <https://www.youtube.com/watch?v=u8exrxhwme4&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=2> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 3: Navigating the Core Package*. Available at: <https://www.youtube.com/watch?v=WhboP5u5HqE&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=3> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 4: Layers and Properties*. Available at: <https://www.youtube.com/watch?v=hAMw-dFWng&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=4> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 5: Processing Toolbox and Data Analysis*. Available at: <https://www.youtube.com/watch?v=znKeiV3-Amo&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=5> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 6: Editing Existing and New Layers*. Available at: <https://www.youtube.com/watch?v=98nF6YJAnns&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=6> (Accessed: 4 September 2026).
- QGreenland (2022) *QGreenland Beginner's Tutorial Series, Session 7: Preparing Map for Export and Publication*. Available at: https://www.youtube.com/watch?v=6YG_Jc7HcOo&list=PLSRiyMridUCwyu-vqpAFtm8bVERgTvs7q&index=7 (Accessed: 4 September 2026).