



# ASOR Cultural Heritage Initiative

QGIS

## Module 02.02: Installing QGIS on Desktop

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## ASOR QGIS Module 02.02 – Installing QGIS on Desktop

QGIS is a free and open source Geographic Information System (GIS), or geodatabase, licensed under the GNU General Public License. QGIS runs on Linux, Unix, Mac OSX, Windows and Android and supports numerous vector, raster, and database formats and functionalities. Download QGIS here: <https://qgis.org/>.

QGIS users can view, edit, and analyze spatial information through its free software toolkit.

This **ASOR Tutorial (02.02)** will cover how to download QGIS for the first time on a desktop computer or laptop.

## KEY CONCEPTS

- ❖ Users will navigate the QGIS webpage to discover the download process.
- ❖ Explore recommended computer settings.
- ❖ Successfully download, install, and open QGIS software.

## RECOMMENDED COMPUTER SETTINGS

Before installing QGIS (or any GIS software) on your computer, you should ensure that your computer has the necessary capabilities to run the program. An inadequate hardware setup will result in your GIS software stalling or crashing when attempting to process large GIS datasets. **The primary considerations are:**

- **RAM** – 8GB of RAM or higher is recommended for using QGIS and avoiding system crashes.
- **CPU Speed** – Higher than 1.9 GHz is recommended, although not required. QGIS might run slow at lower levels.
- **Hard Drive Storage** – This is dependent on your datasets, but 1GB or more of storage would provide ample space.

To check hardware for **Windows 10 users**:

1. Click on the Windows Start button
2. Click on Settings (the gear icon)
3. In the Settings menu, click on System
4. Scroll down and click on About

5. On this screen, you should see specs for your processor, Memory (RAM), and other system info, including Windows version.

To check hardware for **Windows 7 users**:

1. From the desktop, find the icon that is labeled “My Computer”. Right-click on this and select Properties.
2. A window should appear summarizing your PC hardware specs, including processor, Memory (RAM), and other system info, including Windows version.

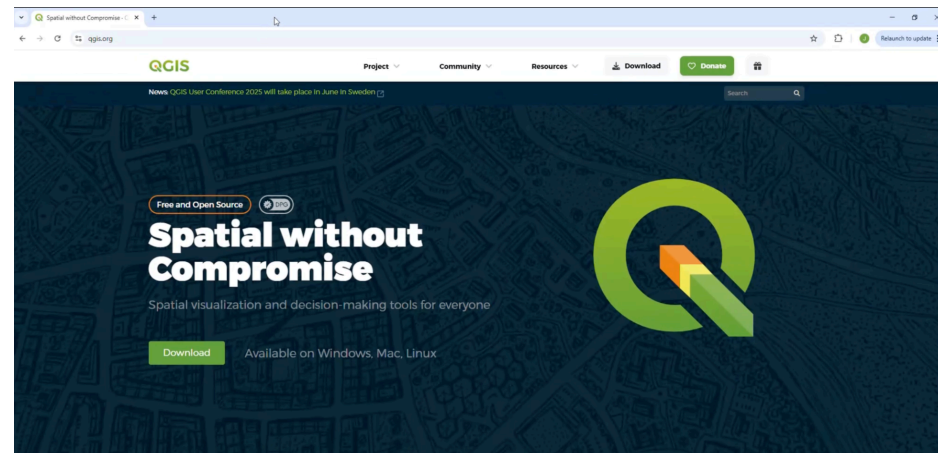
To check hardware for **MacBook users**:

1. Click the Apple icon and choose About This Mac.
2. The Overview tab will provide the operating system version, processor, and memory information

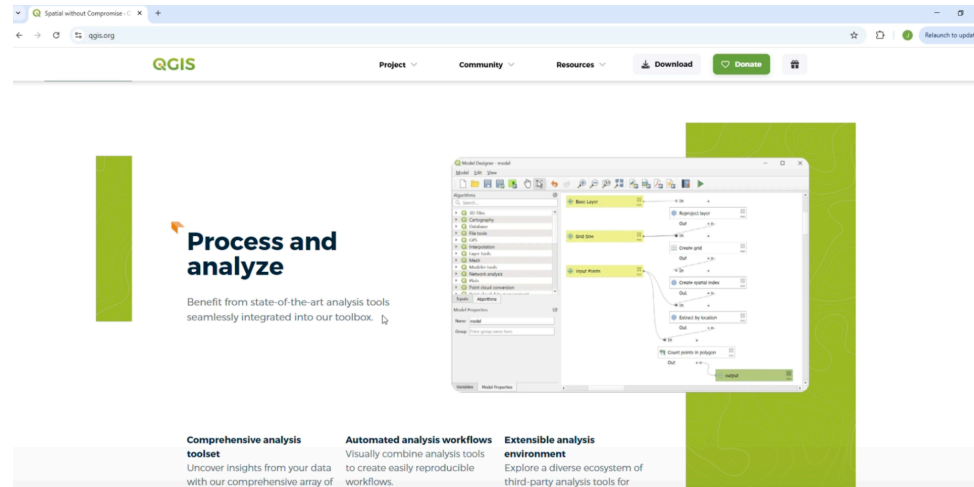
## INSTALLING QGIS

1. Open the QGIS website through a web browser (recommend using Chrome for this step):

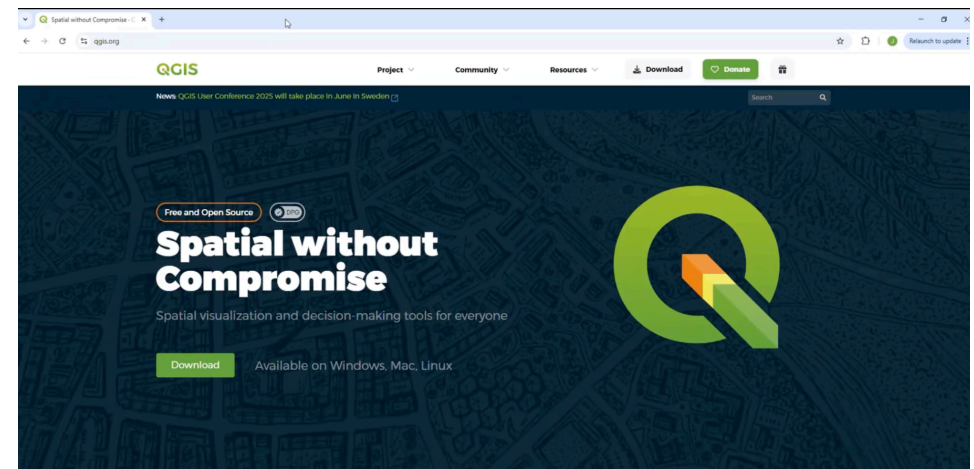
<https://www.qgis.org/en/site/index.html>.



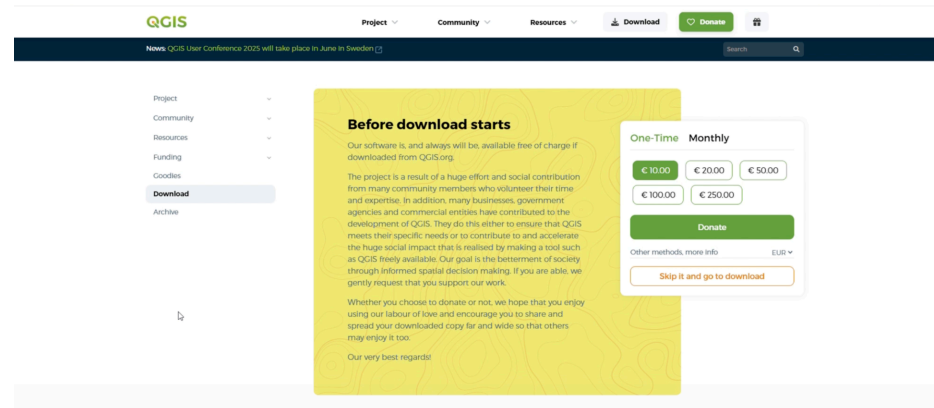
2. Notice the program features as you explore the homepage of the QGIS website.



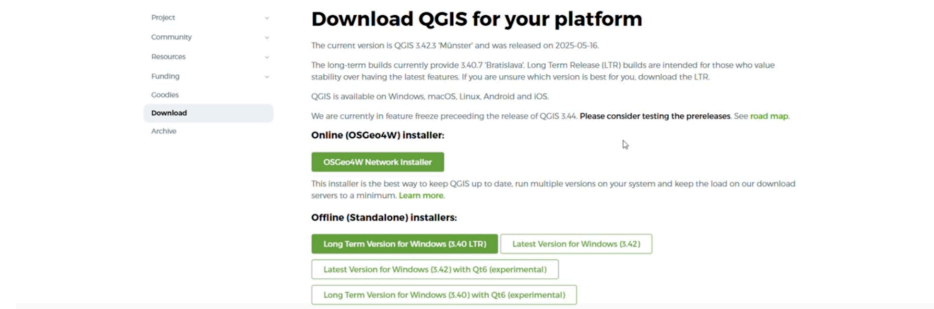
3. Select Download from the white banner at the top of the screen. Please note that this tutorial is done using PC desktop.



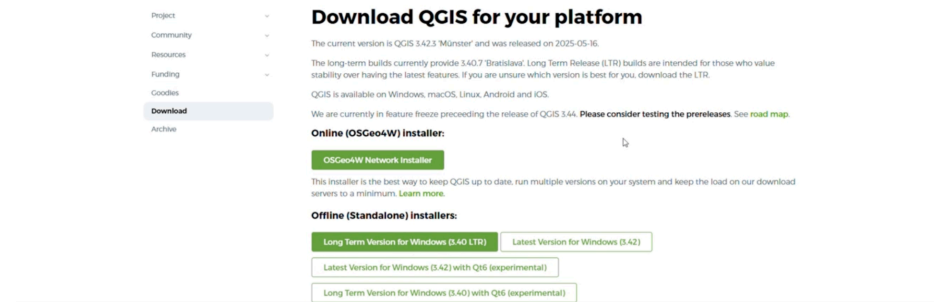
4. Select “Skip it and go to download” in the pop-up that appears.



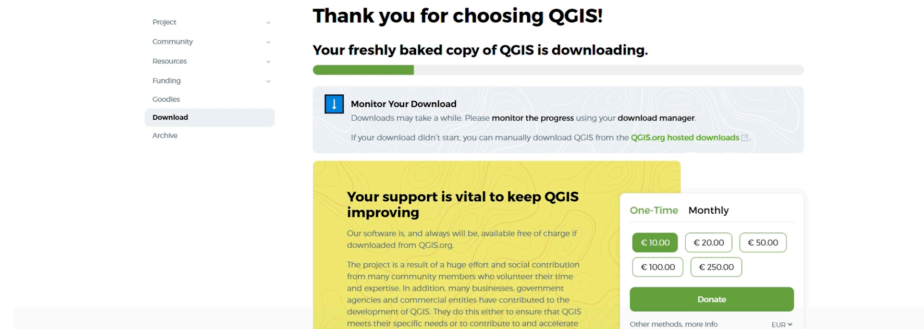
5. In the case that you do not have a strong internet connection, you may use a standalone installer.



6. This tutorial will use “OSGeo4W”



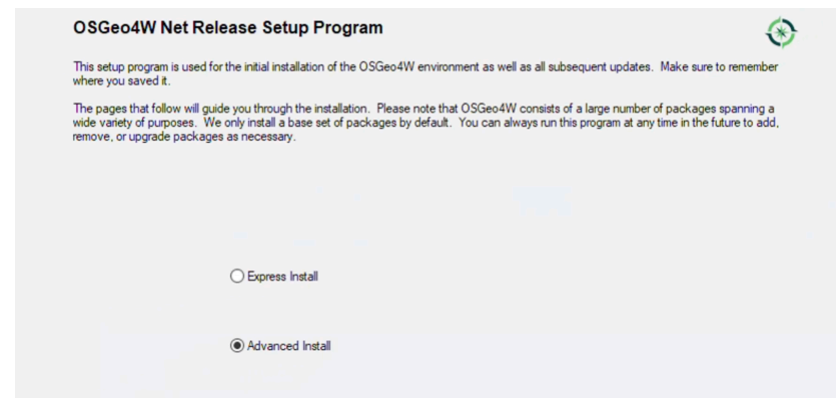
- The download for the installation program has begun when you see this screen.



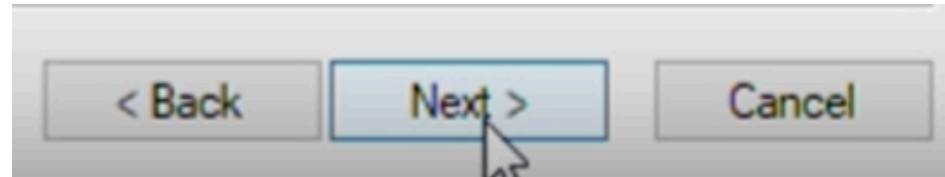
- Now you will find the installer for QGIS on your computer as an .exe file.

Locate the .exe file and open it to continue the installation.

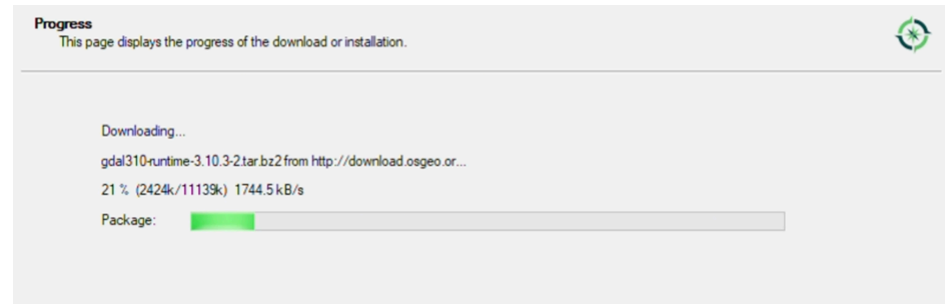
- Select "express install."



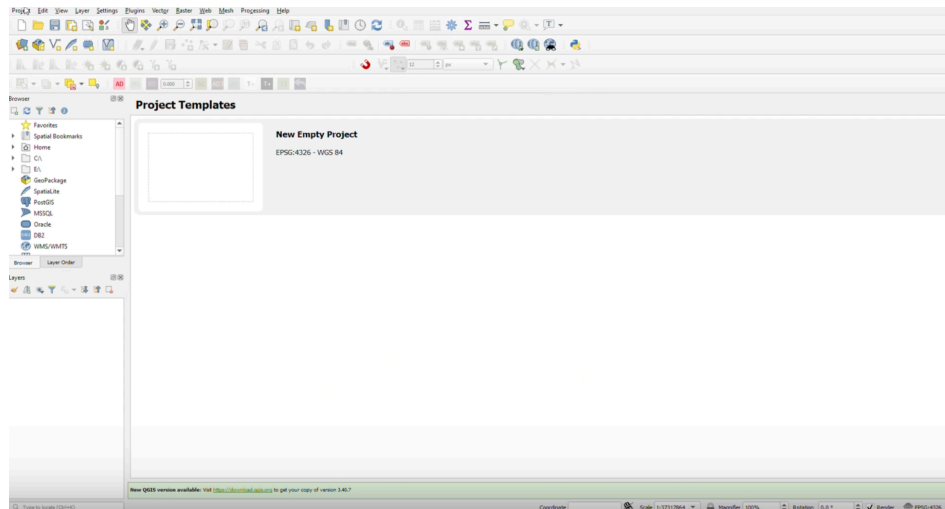
10. Begin the installation by selecting "Next."



11. Continue navigating the download using the default settings provided and select 'Next' until the download is complete.



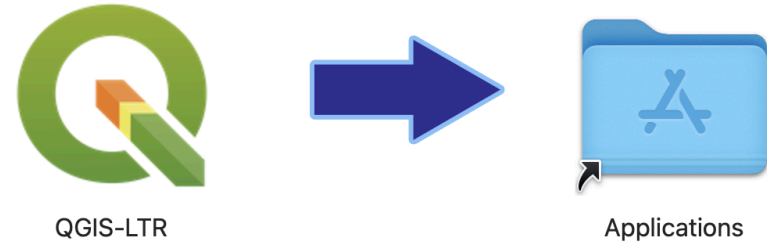
12. Once done, you may find and open QGIS on your computer. It should look similar to the image provided.





## DOWNLOADING AS A MAC USER

- Press the Download button in the white banner of the QGIS webpage.
- The download will begin after you have given permission.
- Once downloaded, transfer the QGIS-LTR to the applications.
- This may take a few minutes to become available for opening.



## RESOURCES

QGIS Download: <https://qgis.org/>

QGIS Support: <https://qgis.org/resources/support/>



VIEW ALL ASOR TUTORIALS FOR FREE  
[asor.org/chi/chi-tutorials](https://asor.org/chi/chi-tutorials)