



Geospatial Data Management for Energy Access

Hands-on week 1 – Part A

This exercise is a walk-through on how to install the following software you will be interacting with from lectures 1 - 5

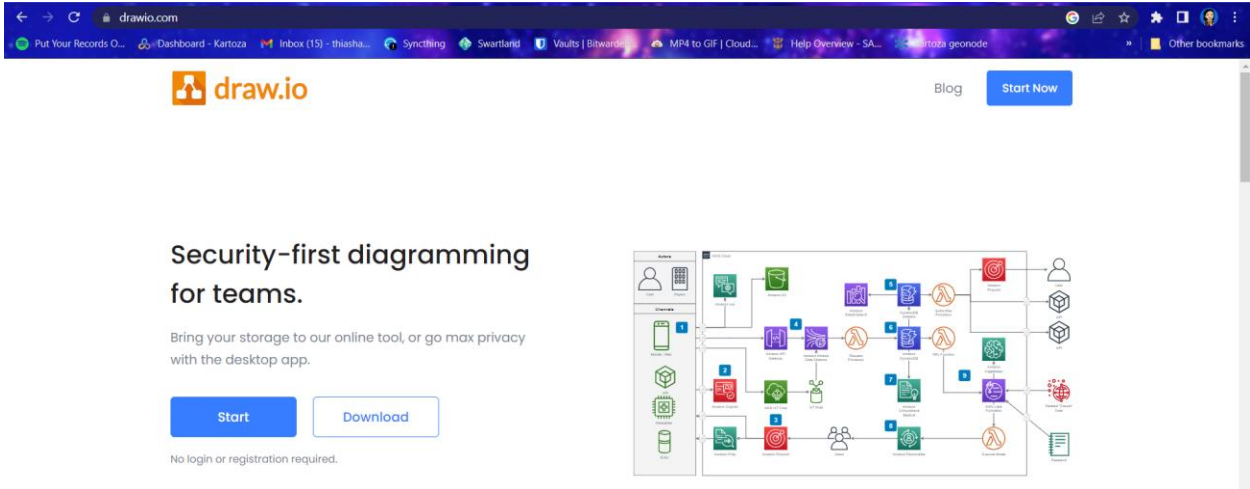
Learning outcomes

By the end of this exercise, you will learn how to:

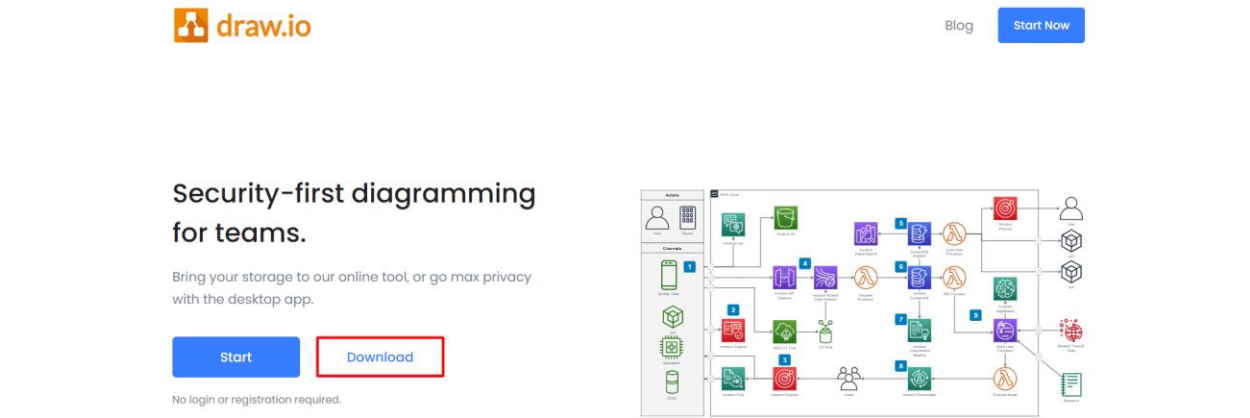
- 1) Install draw.io
 - 2) Install QGIS
-

Install draw.io

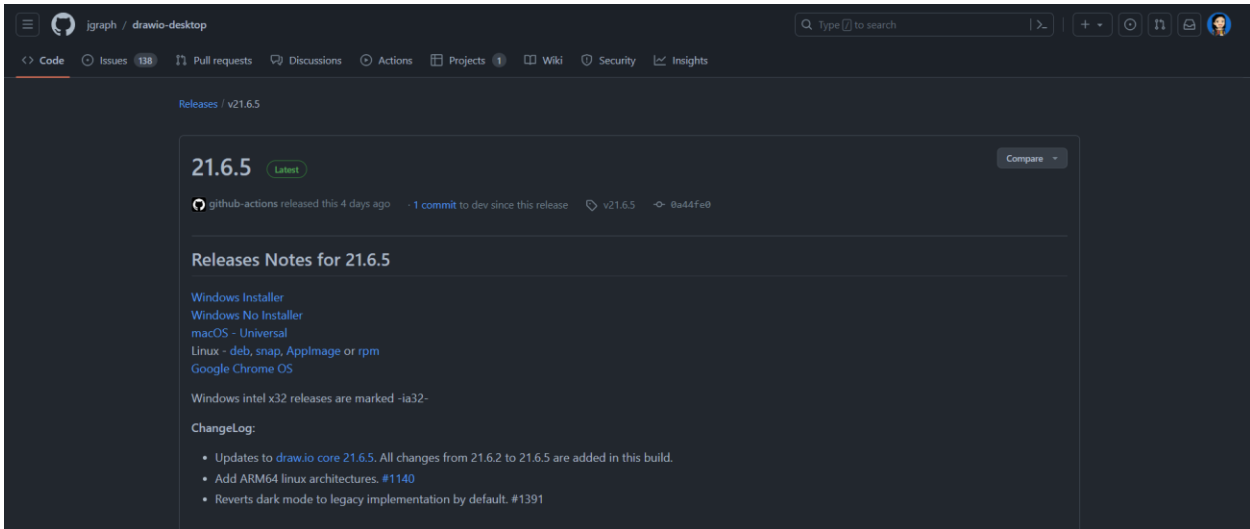
Step 1: Navigate to the draw.io website.



Step 2: Select the 'Download' option.

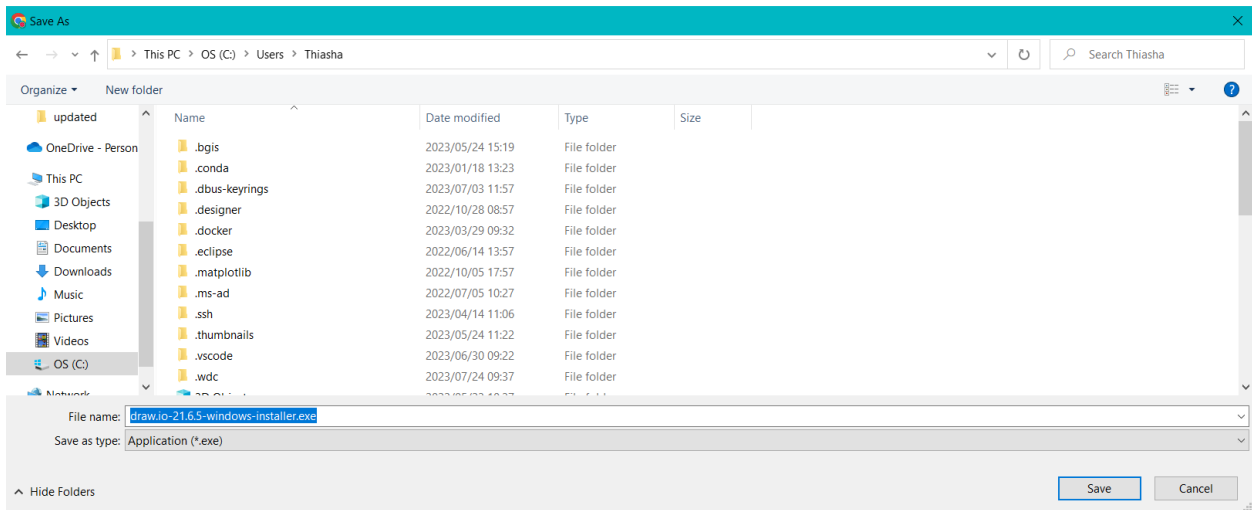


Step 3: Select the installer for your operating system.

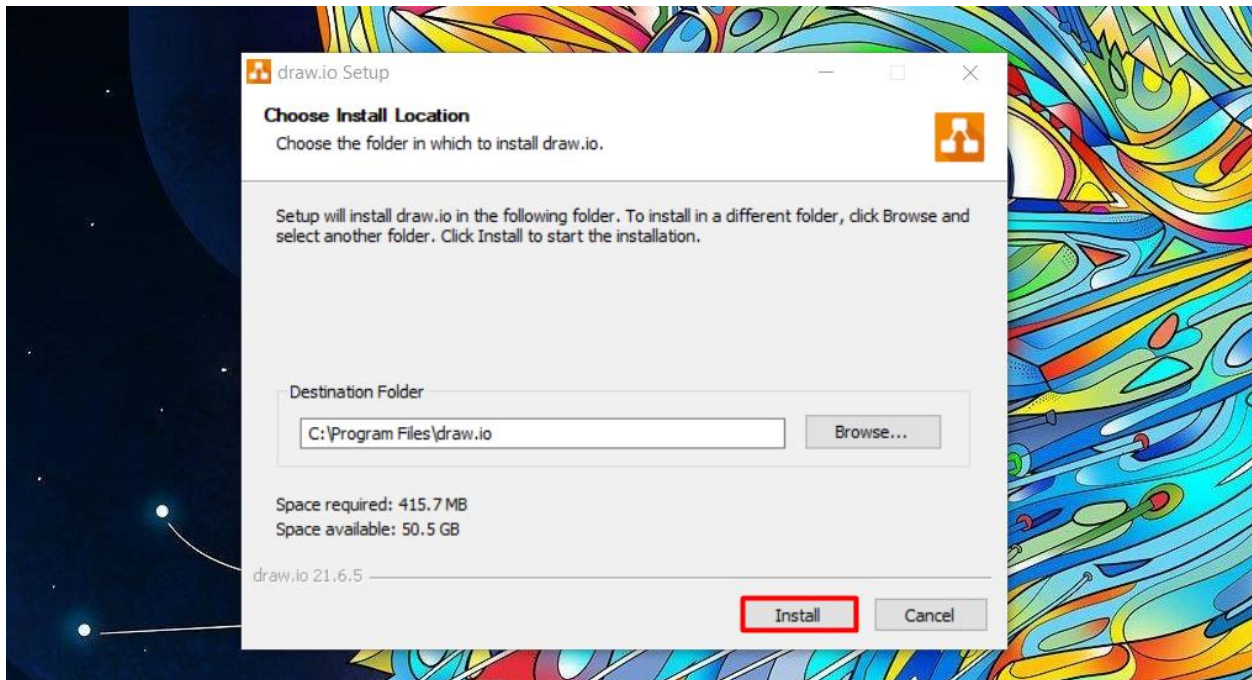




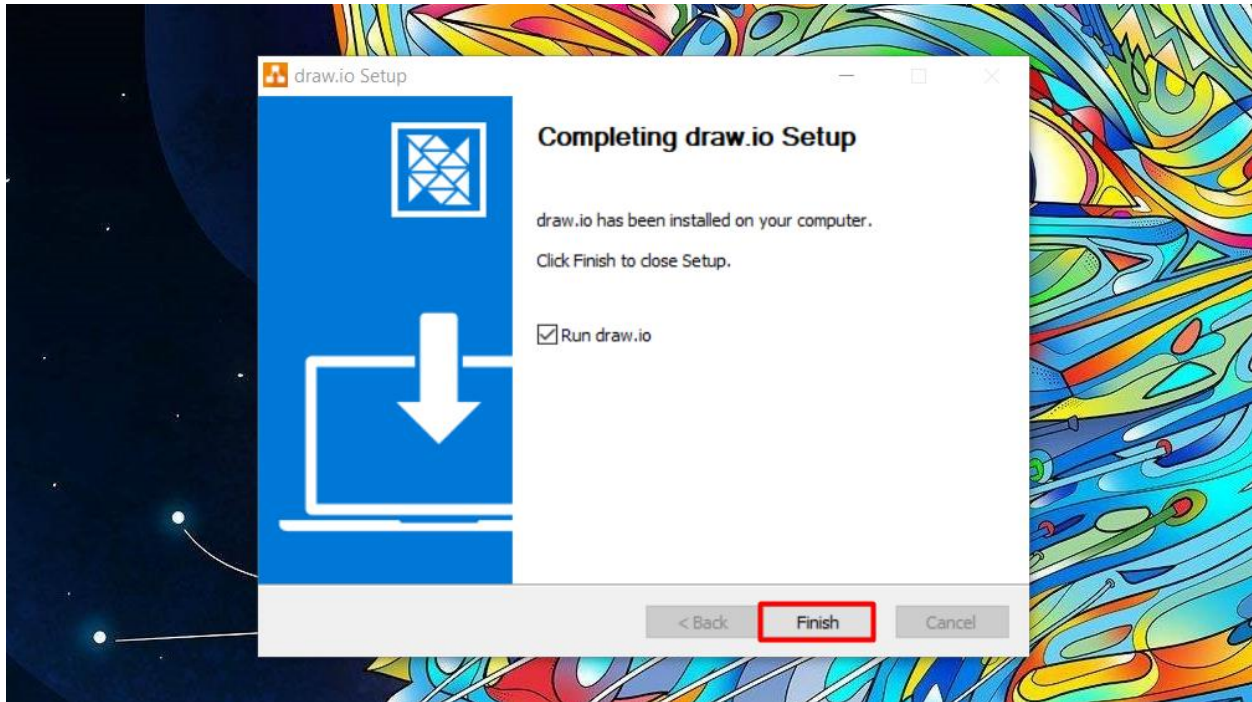
Step 4: Download the correct installer.



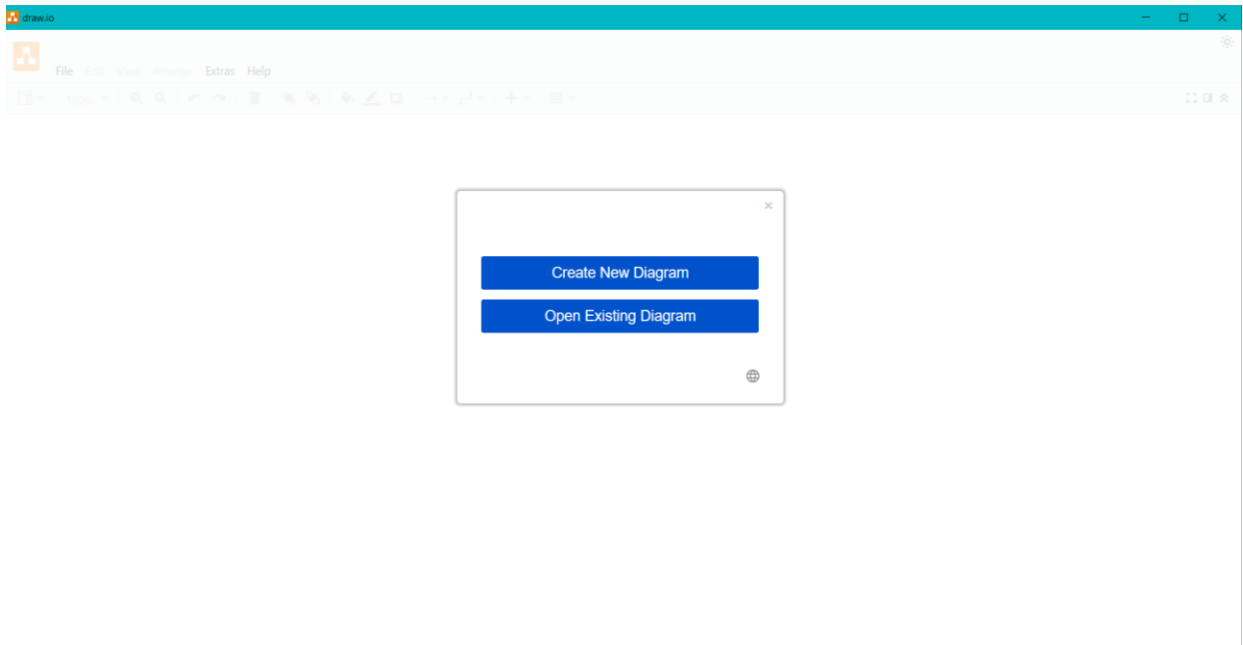
Step 5: Start the installation process by selecting the 'Install' button.



Step 6: 'Finish' the installation process.

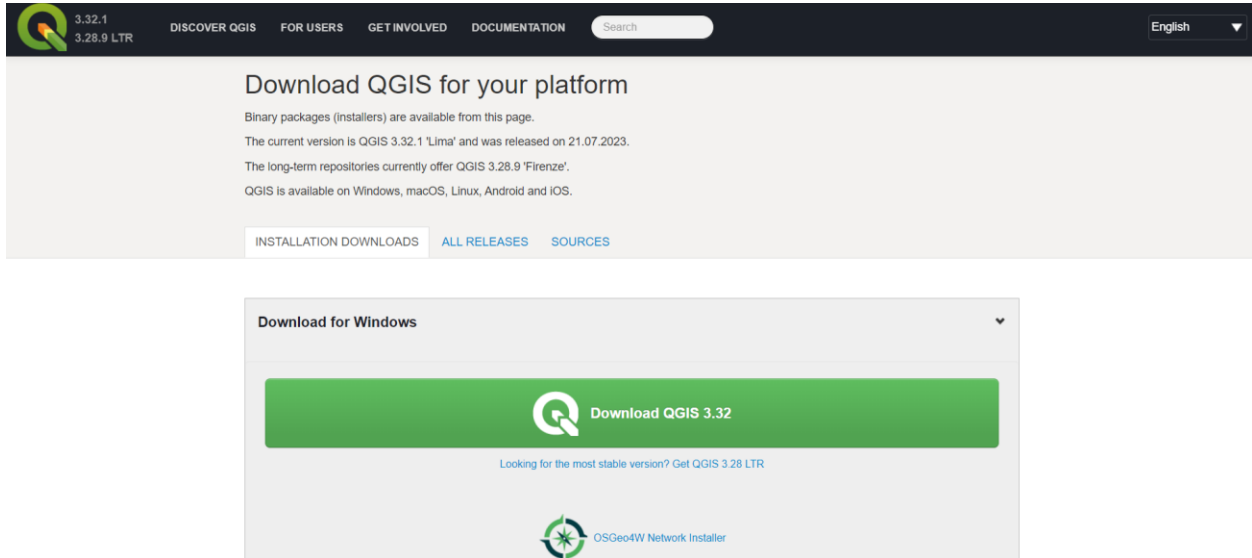


Your installation is now complete.



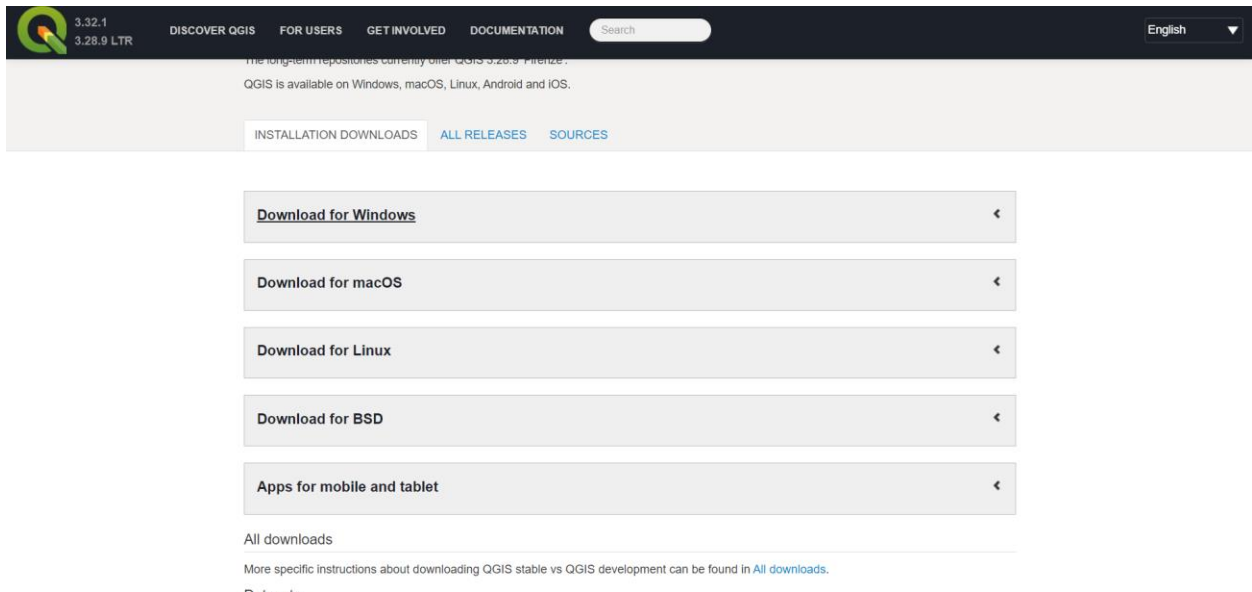
Install QGIS (on Windows)

Step 1: Navigate to the [QGIS download page](#) on the QGIS website.



The screenshot shows the QGIS website's download page. At the top, there is a navigation bar with the QGIS logo, version numbers (3.32.1 and 3.28.9 LTR), and menu items: DISCOVER QGIS, FOR USERS, GET INVOLVED, and DOCUMENTATION. A search bar and a language dropdown (English) are also present. The main content area is titled "Download QGIS for your platform" and includes text about binary packages, the current version (3.32.1 'Lima'), and long-term repositories (3.28.9 'Firenze'). Below this text are three tabs: "INSTALLATION DOWNLOADS" (selected), "ALL RELEASES", and "SOURCES". A large green button labeled "Download QGIS 3.32" is prominently displayed, with a link below it that says "Looking for the most stable version? Get QGIS 3.28 LTR". At the bottom of the main content area, there is a link for "OSGeo4W Network Installer".

Step 2: Choose the correct installation for your operating system.



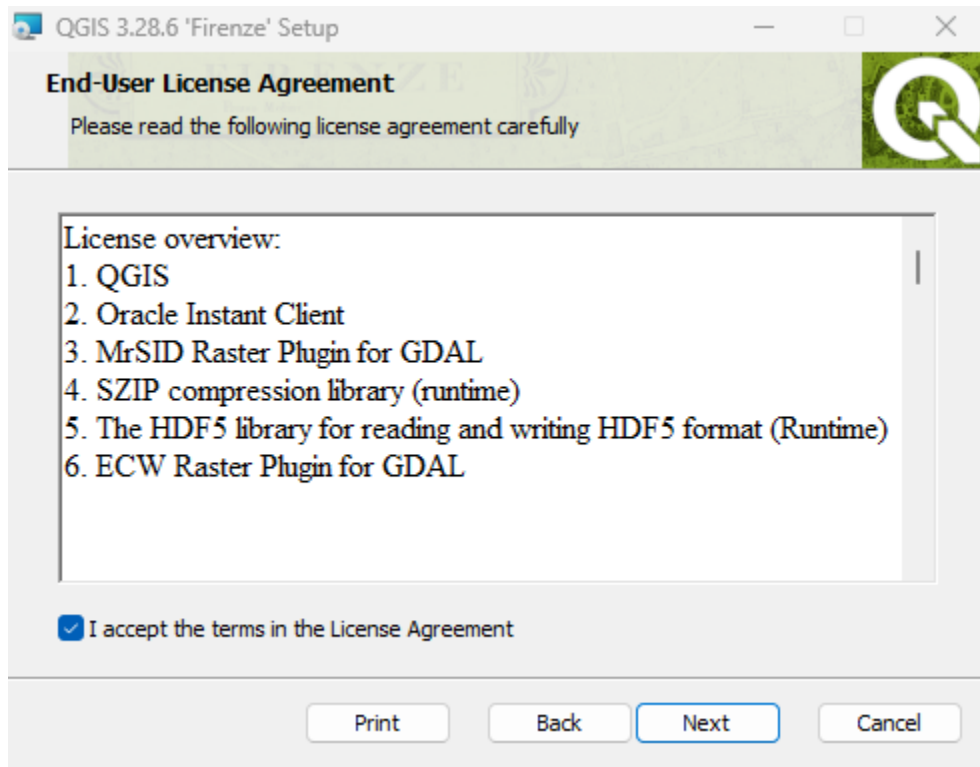
This screenshot shows the same QGIS website download page, but with the "INSTALLATION DOWNLOADS" tab selected. Below the navigation bar, the text "The long-term repositories currently offer QGIS 3.28.9 'Firenze'." and "QGIS is available on Windows, macOS, Linux, Android and iOS." is visible. The "INSTALLATION DOWNLOADS" tab is active, and a list of operating system options is displayed, each with a left-pointing arrow: "Download for Windows", "Download for macOS", "Download for Linux", "Download for BSD", and "Apps for mobile and tablet". Below this list, there is a section titled "All downloads" with a link to "All downloads" and a note: "More specific instructions about downloading QGIS stable vs QGIS development can be found in All downloads."

Note: Download the corresponding version for your computer by first selecting your operating system here as there are different versions for Windows (32- and 64-bit), macOS and Linux.

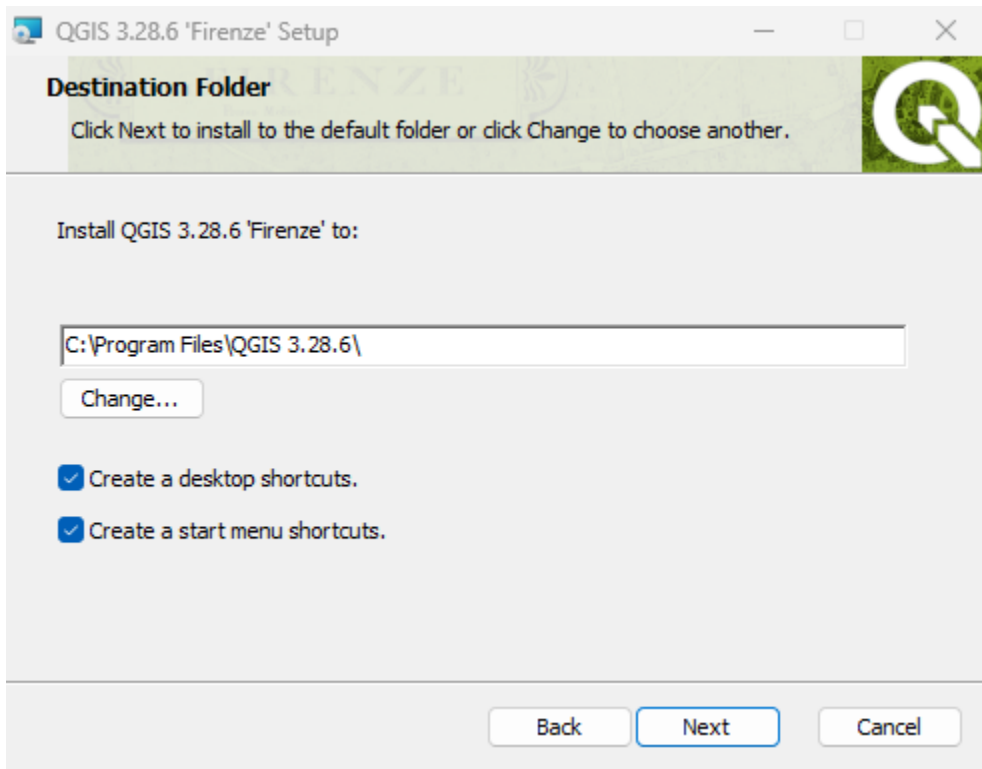
Step 3: Double-click on the executable once it has been downloaded onto your personal computer. The first window will be a welcoming window, click "Next"



Step 4: The second window will include all the licenses that you have to agree with in order to get QGIS installed. Check the box "I accept the terms in the License Agreement" then click "Next".



Step 5: Next, you will be prompted to select the install location. This is the same thing as the installation path and this is where your QGIS version will be installed. It is recommended to go with the default one i.e., C:\Program Files\QGIS 3.28 for Windows. When the installation path is determined click on "Next".



Step 6: Click 'Install'. When the installation is finished click on 'Finish'. Test to start QGIS (called QGIS Desktop 3.28/3.30 on your computer).





You do not need connectivity to use QGIS once the software is downloaded and installed.

If you are using an operating system other than windows, follow these instructions to install QGIS in your machine:

- Linux: <https://www.qgis.org/en/site/forusers/alldownloads.html#linux>
- macOS: <https://www.qgis.org/en/site/forusers/alldownloads.html#mac-os-x-macos>