

Copernicus Marine Service Training Workshop

QGIS Installation Notes

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Table of contents

| | |
|--|---|
| 1. INTRODUCTION | 5 |
| 2. QGIS STANDALONE INSTALLATION: INSTRUCTIONS | 6 |
| 3. QGIS INSTALLATION THROUGH OSGEO4W INSTALLER: INSTRUCTIONS | 9 |

1. Introduction

This document is aimed at supporting a new user in **installing and configuring QGIS** for being used to manipulate and analyse Copernicus Marie data. It is based on information shared with the community from official QGIS webpage:

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

So, some of the information contained in this document are also reported in the QGIS documentation, that the author suggests consulting for having a more comprehensive overview of additional features and supported operating systems.

In the next sections, it will be discussed **how to install QGIS in Windows operating system** (but QGIS can run also on macOS, Linux, BSD and mobile devices and for these OS please visit the QGIS website).

Information and access to relevant online resources have been performed on 18/01/2024.

2. QGIS standalone installation: instructions

Step 1:

- Go to <https://qgis.org/en/site/index.html>
- Click on “Download now”
- You will be redirected to a new webpage, <https://qgis.org/en/site/forusers/download.html>. It gives the following information:
 - For which operating system you want to download QGIS (“Installation Downloads”).
 - Which release you are interested in (“All releases”).
 - Access to source code (“Sources”).

In this case, we are interested to download the QGIS application for Windows (Figure 1).

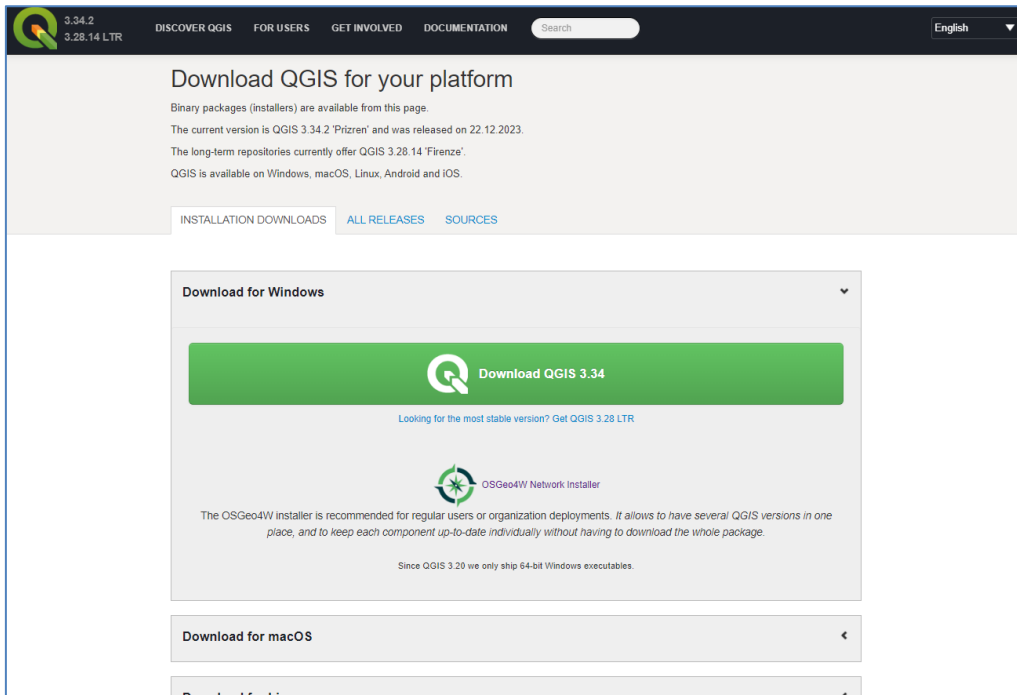


Figure 1: QGIS download webpage. Selection of QGIS application for Windows OS.

- The QGIS provides you always:
 - The last available release: in this case, it is QGIS 3.34.
 - The long term stable release: it is QGIS 3.28 LTR.
 For the scope of the Copernicus Marine Training Session, we suggest referring to the long term stable release (Figure 1).
- Click then to “Looking for the most stable version? Get QGIS 3.28 LTR”. The download will start automatically, and the executable will be saved in your Download folder.

Step 2:

- Once the executable is ready, double click on **QGIS-OSGeo4W-3.28.14-1.msi**. A setup wizard is launched automatically, asking you:
 - To proceed with the installation. Action: click on “Next”.
 - To accept licences as displayed in the wizard. Actions:
 - Check the box “I accept the terms in the License Agreement”.
 - Click on “Next”.
 - To specify the path where the QGIS 3.28.X will be installed. Action: click on “Next”.
 - To launch the installation. Action: click on “Install”. Warning: due to security reason, you may be asked to allow the execution.
- After launching the installation, you will display a window showing you the status until the end. Action: click on “Next” once the installation is completed.
- Once completed, you will see the refreshed wizard. Action: click on “Finish”.

Steps are shown in Figure 2.

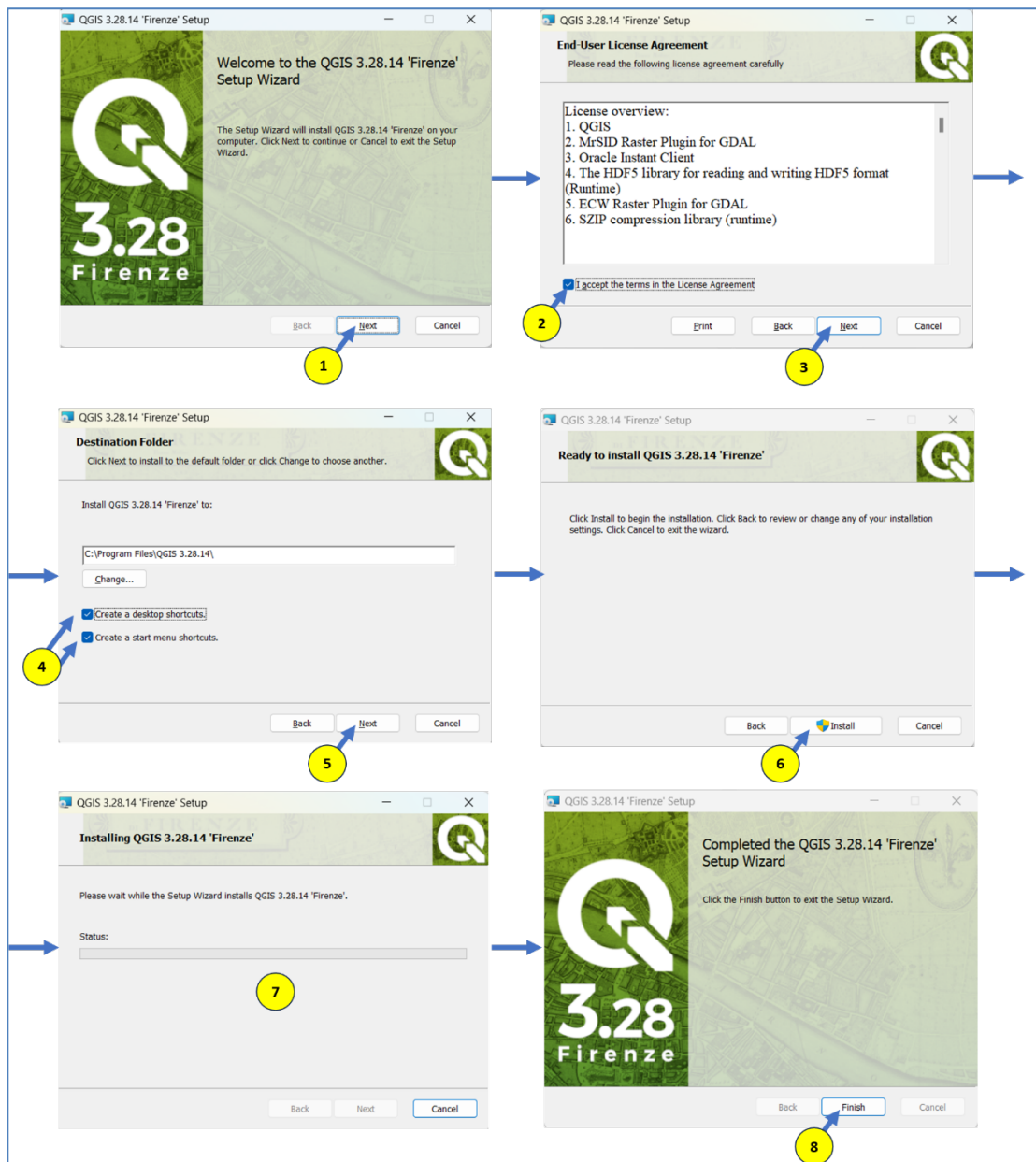


Figure 2: Step 2 process: installation of QGIS 3.28 LTR.

Step 3:

- In your desktop, you will see now a new folder, named “QGIS 3.28.14”, containing a list of applications that are ready to be used (Figure 3).
- Double click on “QGIS Desktop 3.28.14 ”. It will launch QGIS and the QGIS board will be displayed in your computer. You are now ready to use QGIS (Figure 4).

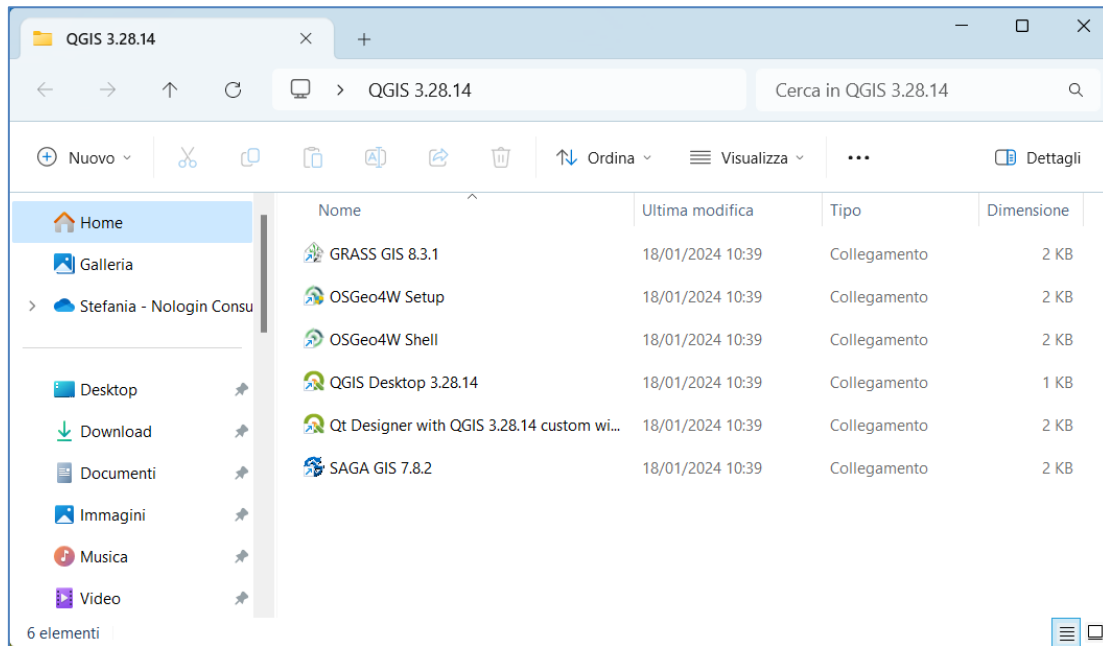


Figure 3: List of applications belonging to QGIS available in the dedicated folder after installation.

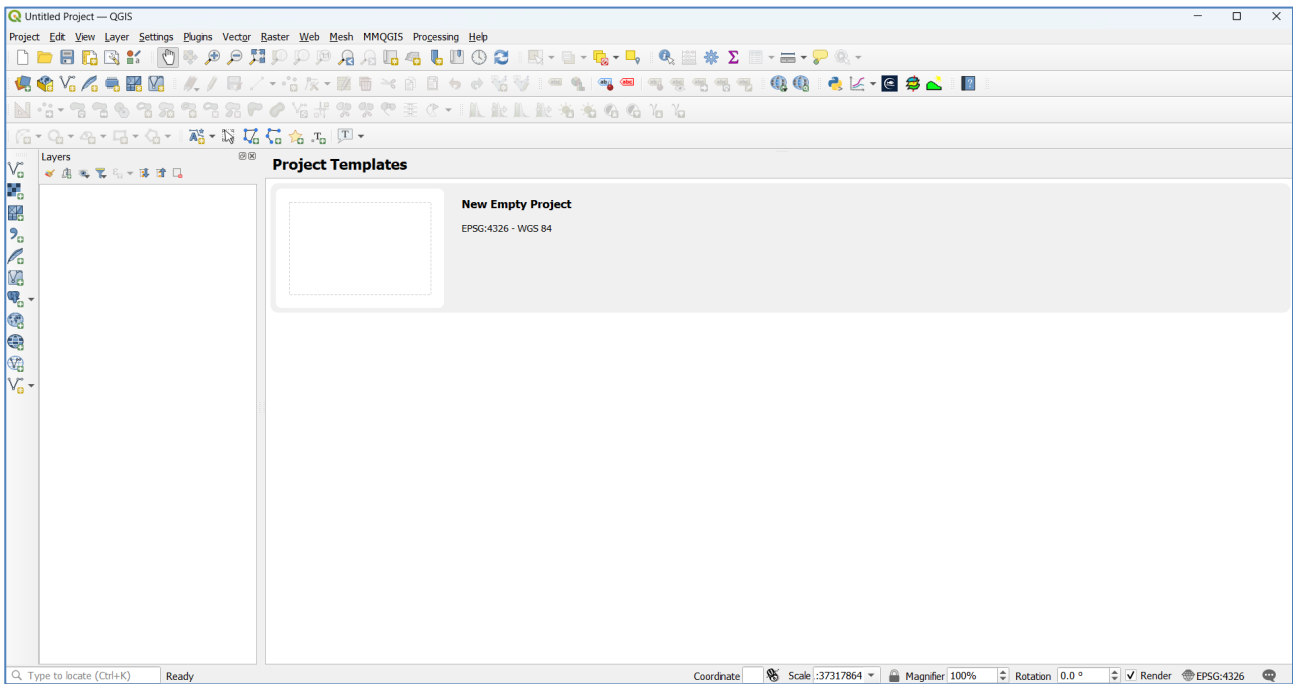


Figure 4: QGIS 3.28.14 ready for creating new project.

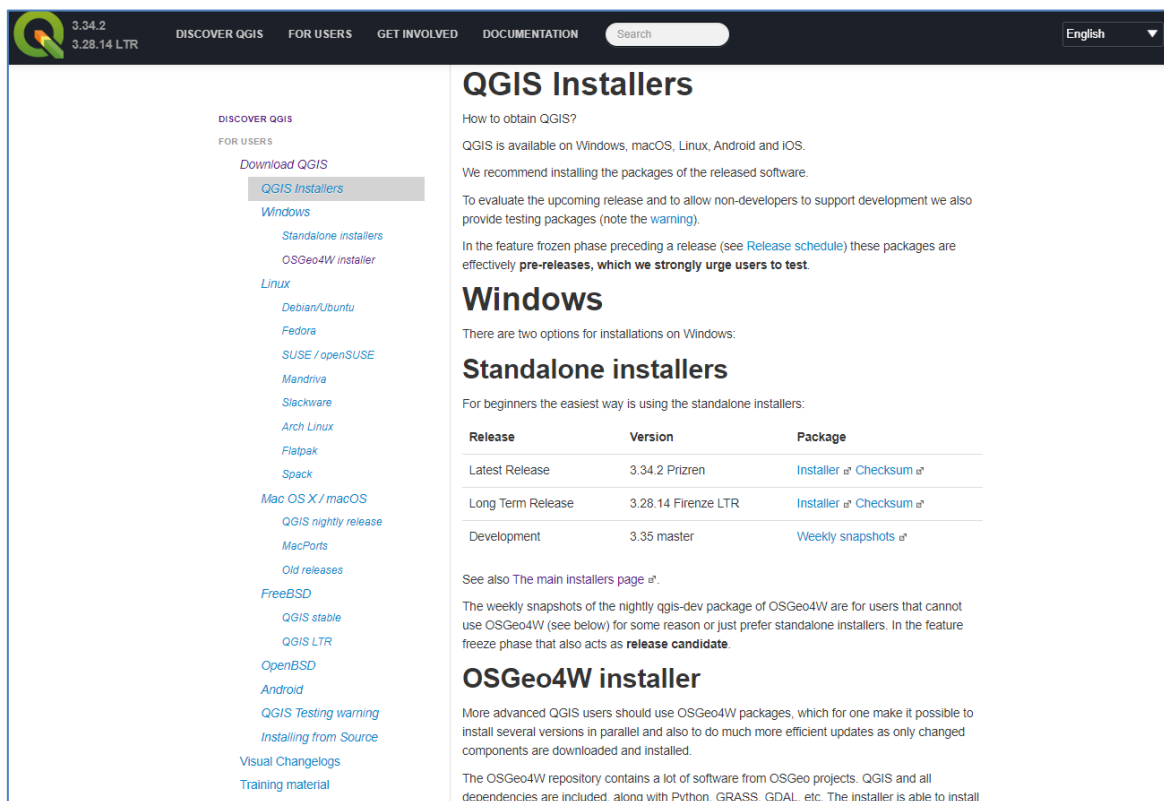
3. QGIS installation through OSGeo4W installer: instructions

Step 1:

- Go to <https://qgis.org/en/site/index.html>
- Click on “Download now”
- You will be redirected to a new webpage, <https://qgis.org/en/site/forusers/download.html>. It gives the following information:
 - For which operating system you want to download QGIS (“Installation Downloads”).
 - Which release you are interested in (“All releases”).
 - Access to source code (“Sources”).

In this case, we are interested to download the QGIS through the OSGeo4W installer, that is recommended for more advanced users.

- As shown in **Figure 1**, click on “OSGeo4W Network Installer”.
- You will be redirected to a new webpage, <https://qgis.org/en/site/forusers/alldownloads.html#osgeo4w-installer>. It gives very detailed information for users as shown (partially) in **Figure 5**.



The screenshot shows the QGIS website's 'QGIS Installers' page. The left sidebar contains a navigation menu with 'QGIS Installers' highlighted in blue. The main content area is titled 'QGIS Installers' and includes a table of releases and sections for 'Windows', 'Standalone installers', and 'OSGeo4W installer'.

| Release | Version | Package |
|-------------------|---------------------|--|
| Latest Release | 3.34.2 Prizren | Installer ^a Checksum ^a |
| Long Term Release | 3.28.14 Firenze LTR | Installer ^a Checksum ^a |
| Development | 3.35 master | Weekly snapshots ^a |

Figure 5: QGIS installation using OSGeo4W installer. Extract from the main page describing QGIS installation modes for different OS.

- From the Table of Contents of the QGIS Installers webpage, select “OSGeo4W installer” topic. You will be moved to the dedicated section (**Figure 6**). It gives the complete list of instructions for proceeding with the installation. Action: click on “OSGeo4W installer” highlighted with blue box in **Figure 6**. It will launch automatically the download of this package.

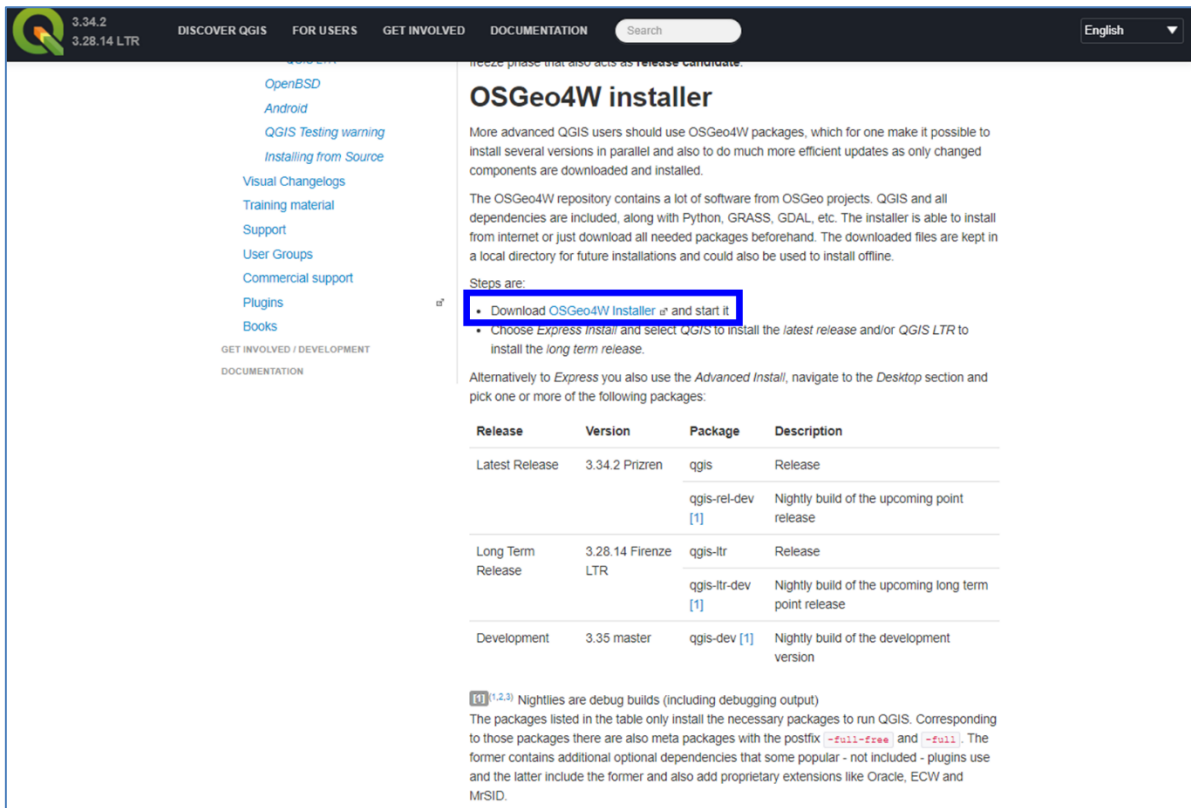


Figure 6: OSGeo4W Installer section.

Step 2:

- Once the executable is ready, double click to **osgeo4w-setup.exe**. A setup wizard is launched automatically, asking you:
 - To choose among “Express Install” or “Advanced Install”. Action: select “Express Install”. Click on “Next”.
 - To select the packages. Action: keep “QGIS LTR, GDAL, GRASS GIS”. Click on “Next”.
- The installer will be automatically completed.

Steps are shown in **Figure 7**.

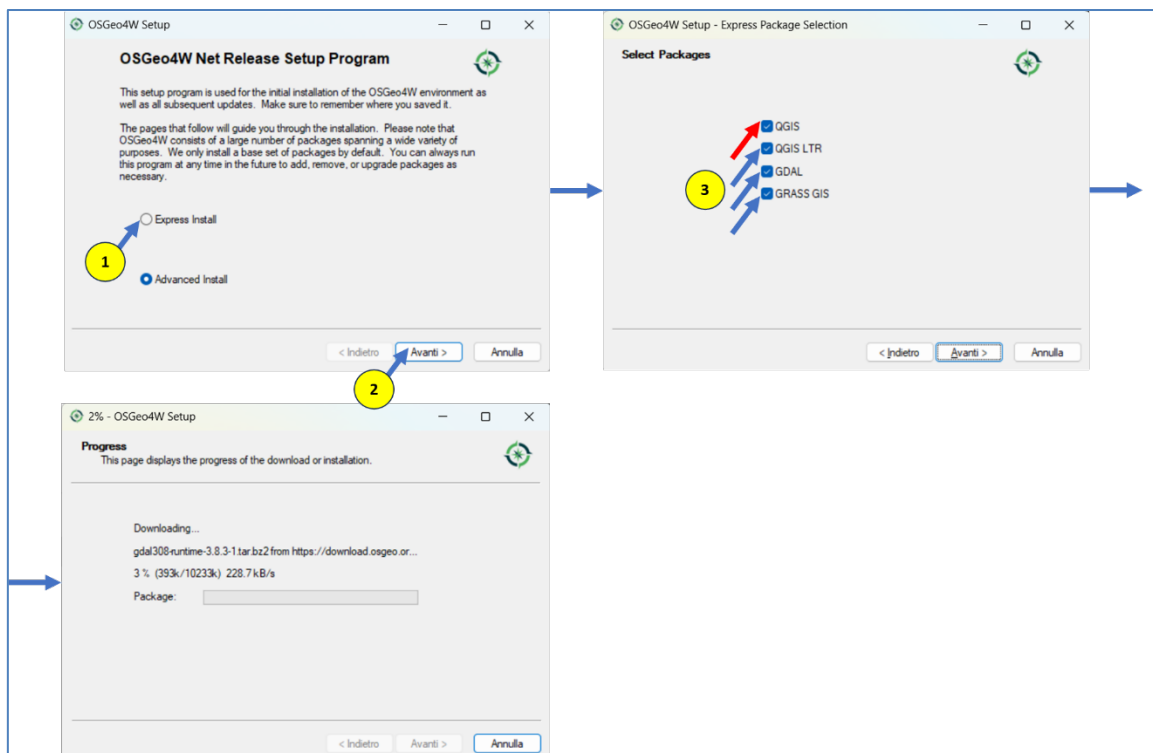


Figure 7: Step 2 process: installation of QGIS 3.28 LTR though the OSGeo4W installer.

Step 3:

- After completing, the QGIS 3.28.4 version is available through the applications installed in your computer. Then, launch it through the Windows Starter and you will display the QGIS board (**Figure 8**).

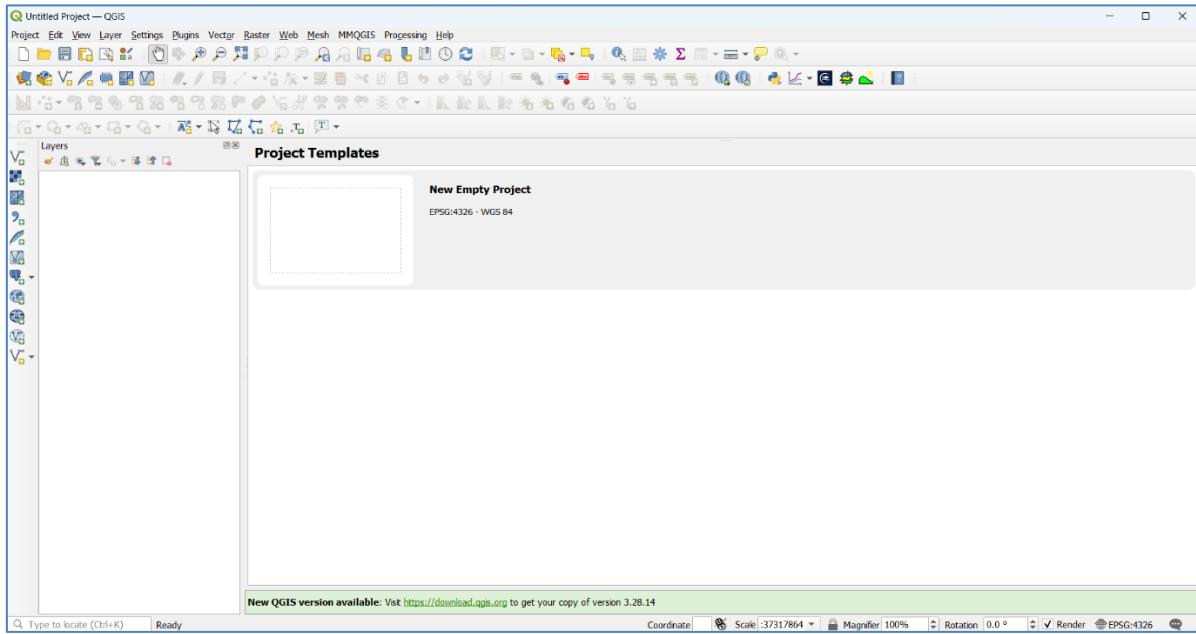


Figure 8: QGIS 3.28.9 ready for creating new project. In the bottom part of the viewer, you see the message about new QGIS version available.