

# First steps with QGIS

This short tutorial has the objective to follow you during the installation, update and the configuration of QGIS:

- How to install QGIS under Windows
- How to update QGIS under Windows
- How to install and update QGIS under Linux
- How to configure QGIS Plugins

# How to install QGIS under Windows

Open a web browser and insert the following address: <http://www.qgis.org/index.php>

Press over download as showed on the picture

Welcome to the Quantum GIS Project

The 3. QGIS Developer Meeting is in preparation to take place in Pisa, Italy from 18th to 22nd March 2010.

We're always searching for **Sponsors!** You can do some sponsoring here!

Information about the upcoming Hackfest are at the [Information Page!](#)

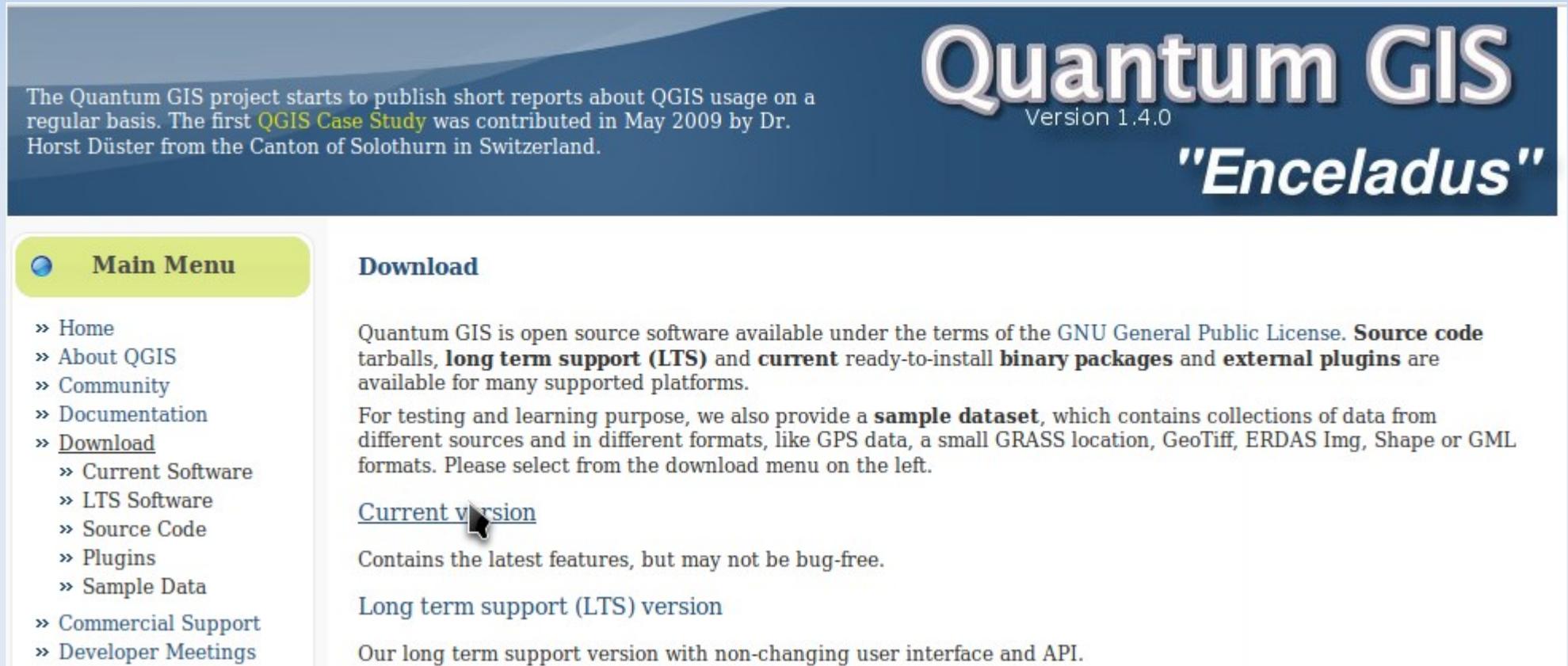
Quantum GIS (QGIS) is a user friendly Open Source Geographic Information System (GIS) licensed under the GNU General Public License. QGIS is an official project of the Open Source Geospatial Foundation (OSGeo). It runs on Linux, Unix, Mac OSX, and Windows and supports numerous vector, raster, and database formats and functionalities.

Quantum GIS provides a continously growing number of capabilities provided by core functions and plugins. You can visualize, manage, edit, analyse data, and compose printable maps. Get a first impression with some screenshots and a more detailed feature list.

Quantum GIS is a volunteer driven project. We welcome contributions from in the form of code contributions, bug fixes, bug reports, contributed documentation, advocacy and supporting other users on our mailing lists and the QGIS Forum. If you are interested in actively supporting the project, you can find more information under the

# How to install QGIS under Windows

## Select Current Version



The Quantum GIS project starts to publish short reports about QGIS usage on a regular basis. The first [QGIS Case Study](#) was contributed in May 2009 by Dr. Horst Düster from the Canton of Solothurn in Switzerland.

# Quantum GIS

Version 1.4.0

## "Enceladus"

- **Main Menu**
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  - » Developer Meetings

### Download

Quantum GIS is open source software available under the terms of the GNU General Public License. **Source code** tarballs, **long term support (LTS)** and **current** ready-to-install **binary packages** and **external plugins** are available for many supported platforms.

For testing and learning purpose, we also provide a **sample dataset**, which contains collections of data from different sources and in different formats, like GPS data, a small GRASS location, GeoTiff, ERDAS Img, Shape or GML formats. Please select from the download menu on the left.

Current version

Contains the latest features, but may not be bug-free.

Long term support (LTS) version

Our long term support version with non-changing user interface and API.

# How to install QGIS under Windows

In the table look for the Nightly Trunk Builds, they are most of the time stable and you will have always the latest update

**Main Menu**

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**Support QGIS!**

## Current packages

The **current release series** are provided to offer users a chance to try out new features as they make their way into the code base. We will not support these releases over a long term and they are aimed more for those who value new features over stability. We use the term 'stability here in the sense of 'not changing a lot' rather than 'not crashing' - in general our current releases are continually improving in terms of reliability and application robustness. The current development version is **QGIS 1.4.0 'Enceladus'** (find out about the name here) and was released on 10 January 2010. We offer Ready-to-Run software packages (.exe, .dmg, .deb, .rpm) for many platforms listed in the table below. If your OS is missing from the list below, please check again soon - we add new packages as they become available.

Show  entries

Version	Platform	Package & Comment
Nightly Trunk Builds	Windows - OSGeo4W	<b>Download:</b> <a href="http://trac.osgeo.org/osgeo4w/">http://trac.osgeo.org/osgeo4w/</a> , Package <b>qgis-dev</b> in 'Advanced Installation' This is also a MSVC based build of QGIS. It's build automatically from QGIS trunk each night (1am, MEST) and uploaded into the OSGeo4W repository. <b>This is not a supported build. At any given time it may not work, or may do bad things to your data. It is provided for early adopters and testers to check if bugs have been resolved and that no new bugs have been introduced. Use as your own risk.</b>

# How to install QGIS under Windows

You will be redirected on the OSGeo4W website where you will be able to download the installer for windows.

Click over OSGeo4W Istaller and save the file on your pc.

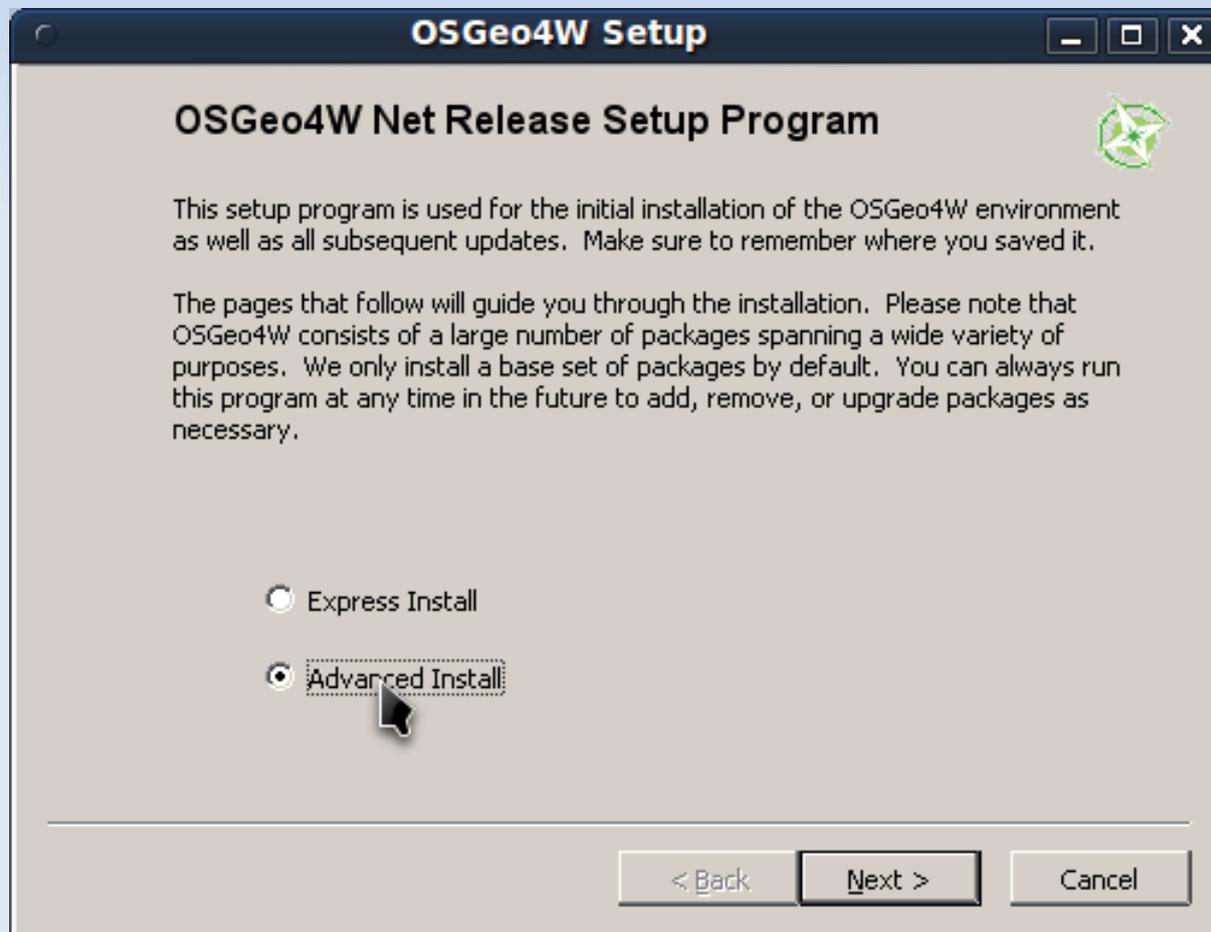
## Quick Start for OSGeo4W Users

Note: Step 2 must be run on a computer with internet access as the installer downloads individual packages as needed. You may also need to enable your software firewall to allow the installer to have outbound access.

1. Download the [⇒ OSGeo4W Installer](#).
2. Run the installer.
3. Select *Express Install*, and *Next*.
4. Pick one or more packages to install, and *Next*.
5. The selected packages and their required subpackages will be downloaded and installed automatically.

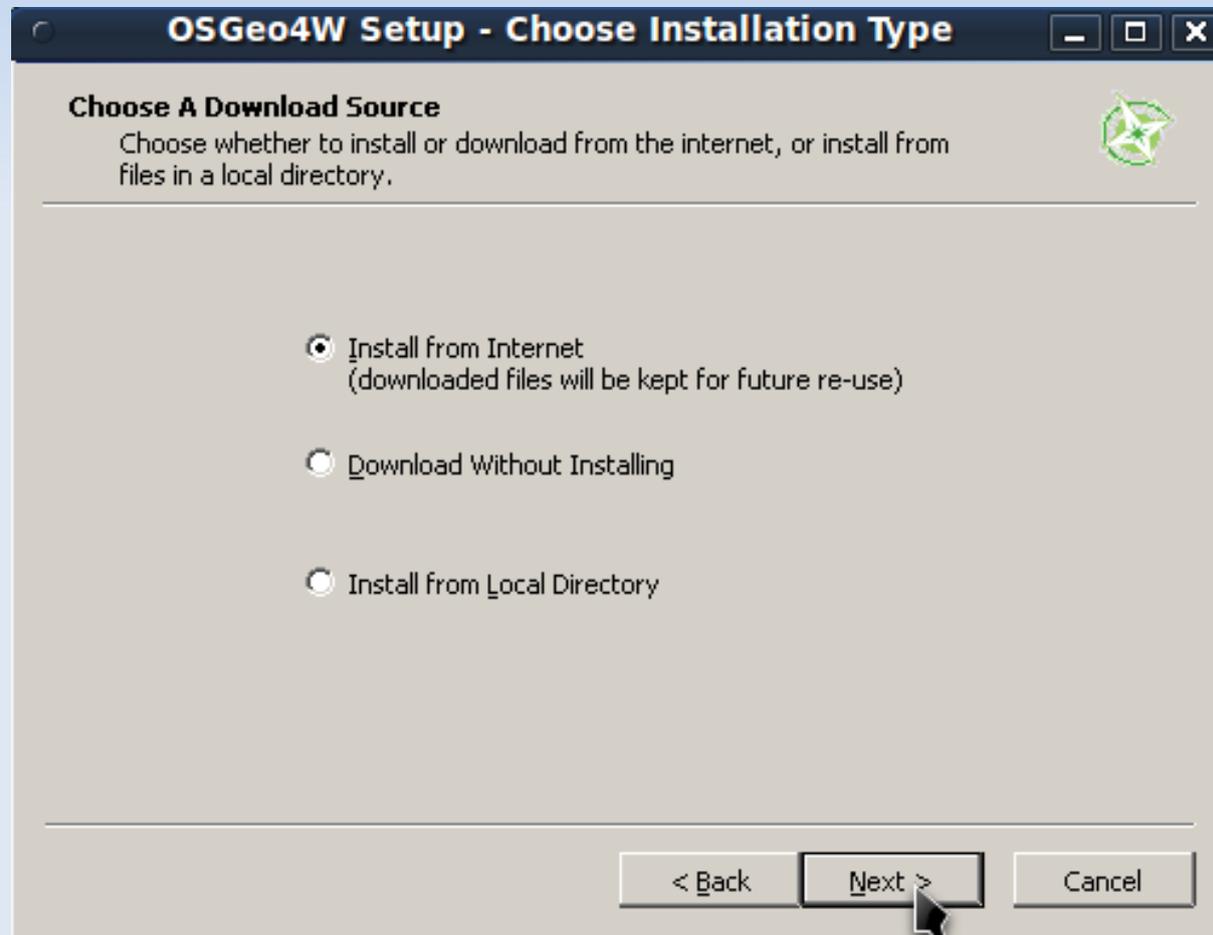
# How to install QGIS under Windows

Double click over the installer osgeo4w-setup.exe  
Select Advanced Install then Next



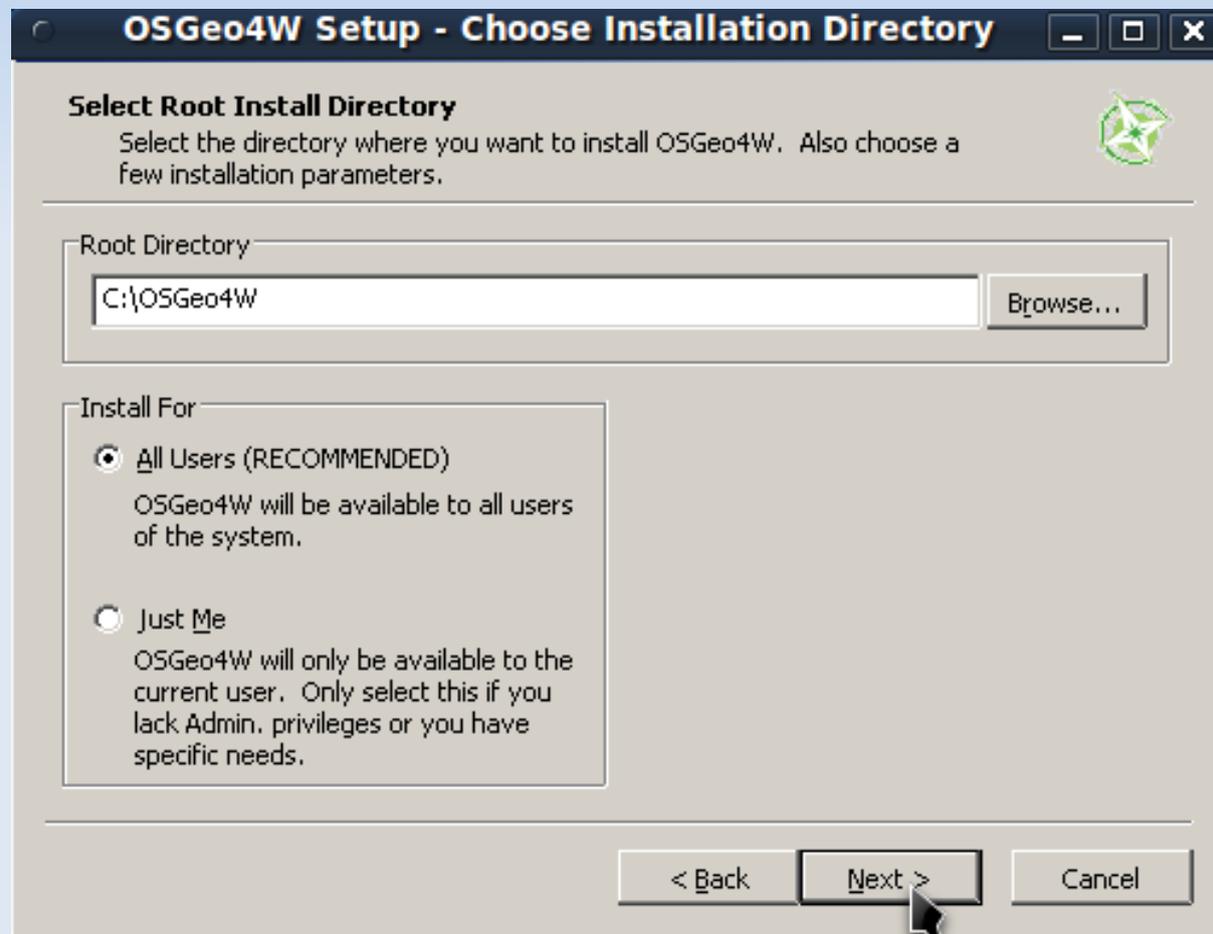
# How to install QGIS under Windows

Choose the first option → Install from internet → Then next



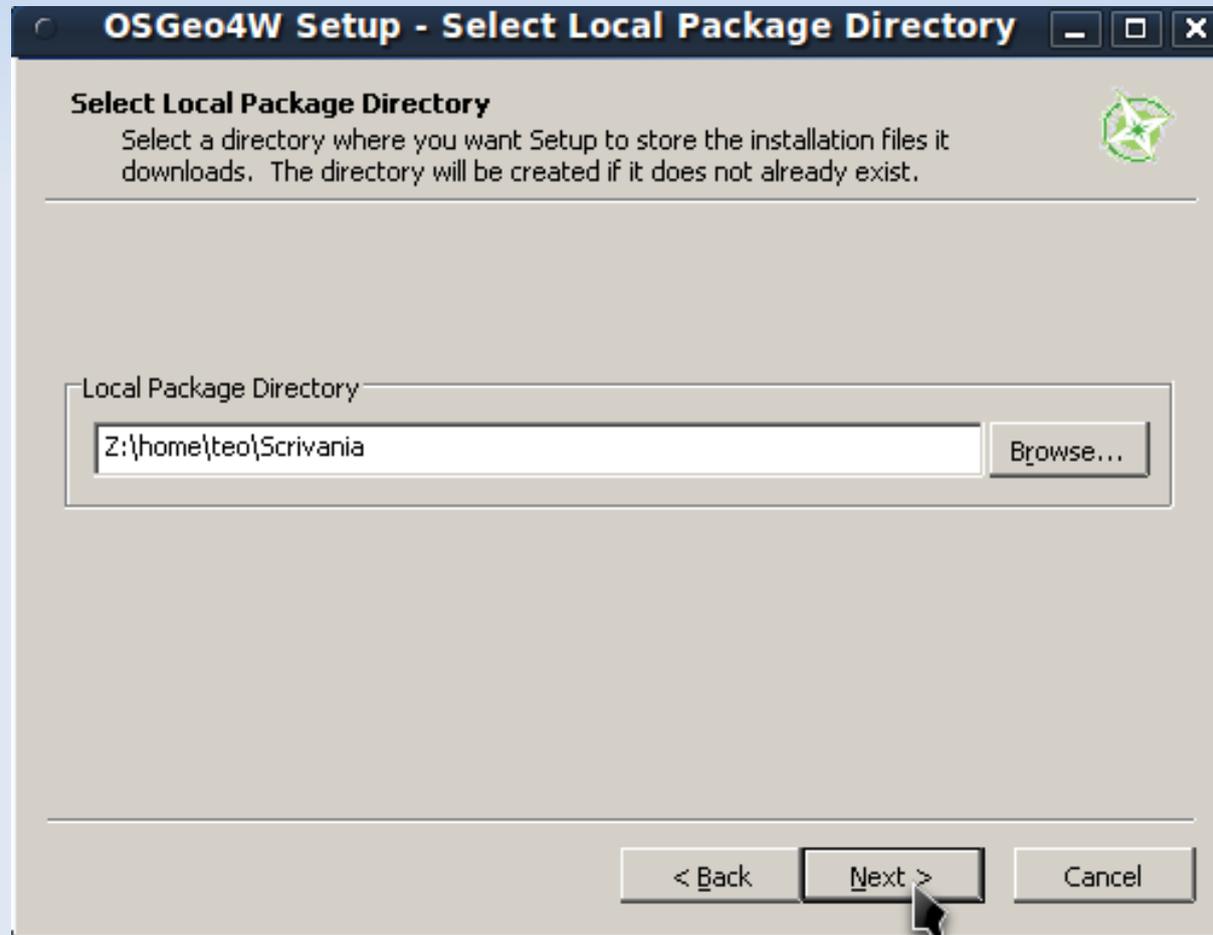
# How to install QGIS under Windows

Here you can decide your root directory, you can change it or leave it how it is and just press Next



# How to install QGIS under Windows

Here you can choose where your packages will be downloaded, you can change the directory or leave your default directory and just press Next



# How to install QGIS under Windows

Usually Direct Connection will be your choice → Then Next



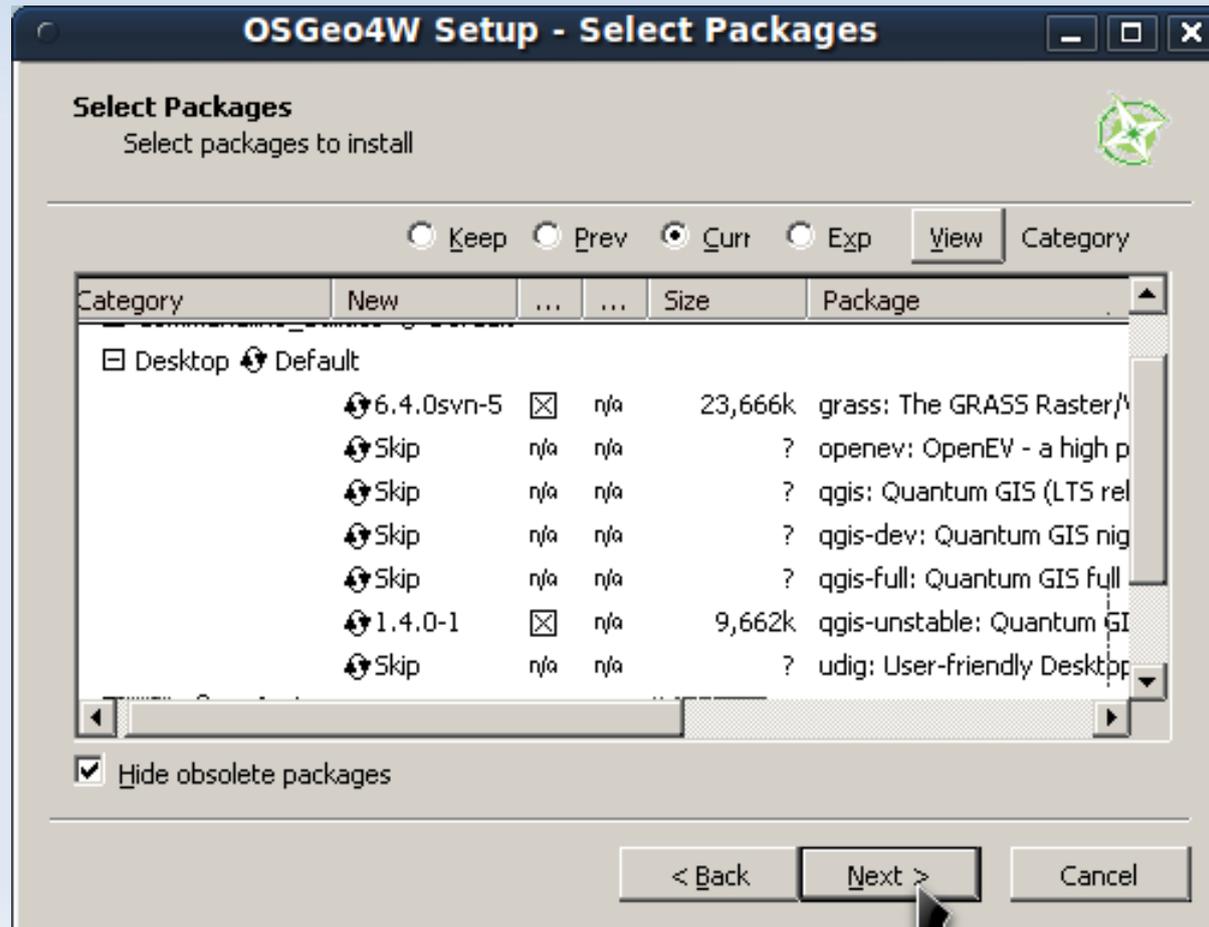
# How to install QGIS under Windows

Here we can select what to install:

We select the Desktop among the categories.

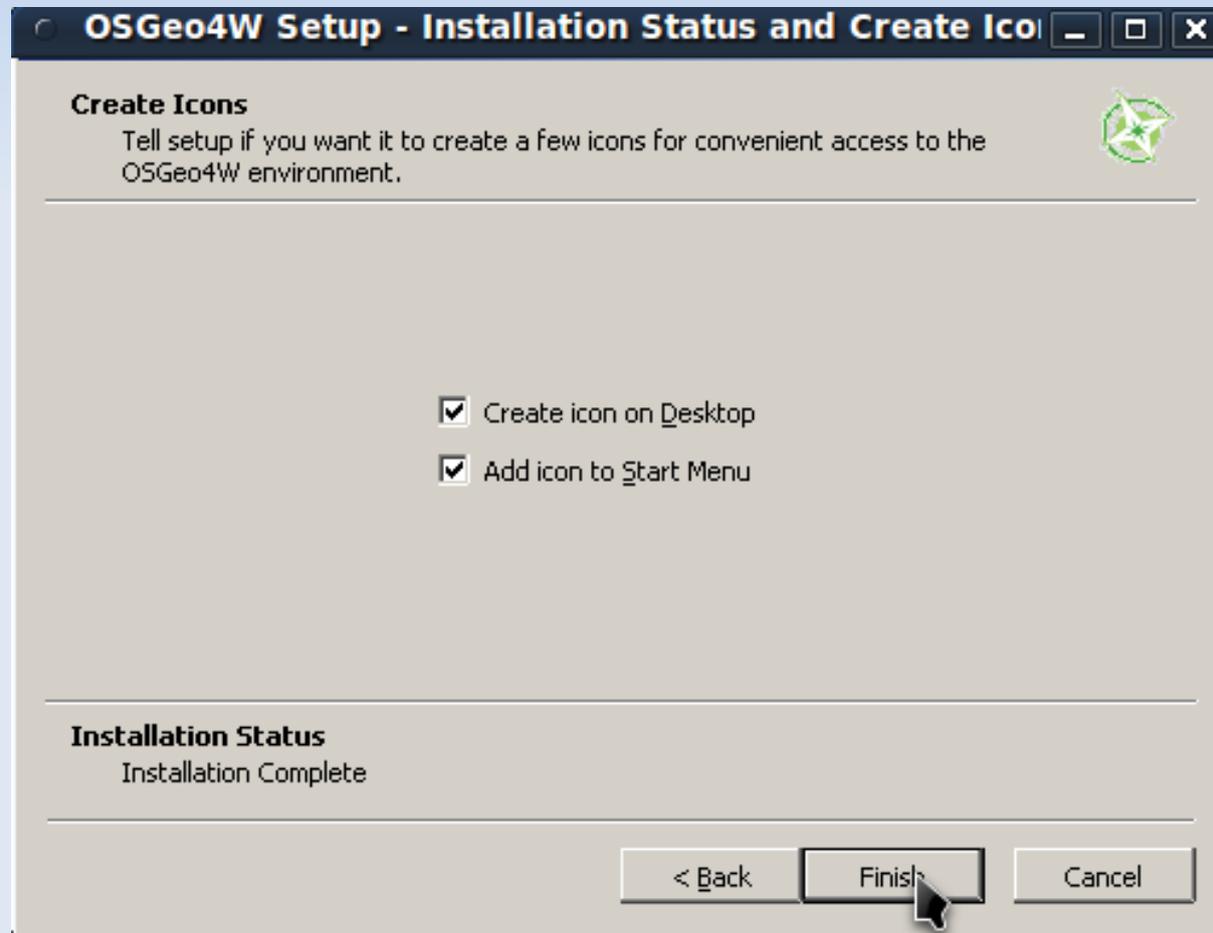
In this case we choose GRASS and QGIS unstable to make appear the version to install just click over the  making sure that the version number appears.

In our example Grass is version 6.4.0svn-5 and QGIS is 1.4.0-1 → Then Next



# How to install QGIS under Windows

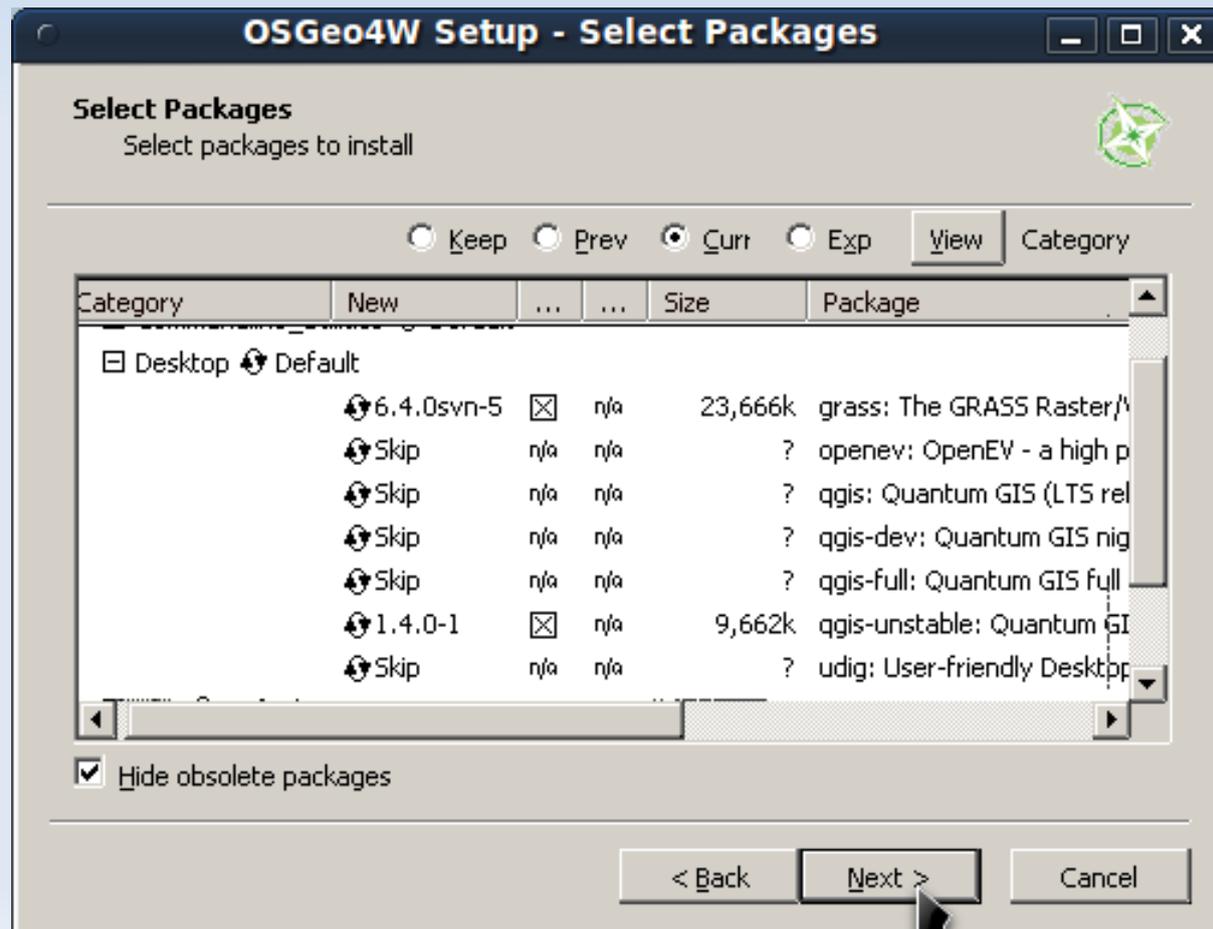
The installation is finished → Click Finish



# How to update QGIS under Windows

Every sometimes you might want to update QGIS, you have 2 choices:

1. Delete the program and reinstall it
2. Click again over the installer follow all the steps of the installation and once arrived at this point you will want to click  until **update** will appear, if update does not appear it means that you will already have the latest version. Press Next and conclude the update.



# How to install and update QGIS under Linux

In our example we will use Ubuntu Linux.

All the following commands will be run in a terminal

You will find the terminal in

Applications→Accessories→Terminal

The installation is very simple:

1. Add the GIS repository (copy-paste in the terminal)

```
sudo add-apt-repository ppa:ubuntugis/ubuntugis-unstable
```

2. Install QGIS and GRASS (copy-paste in the terminal)

```
Sudo apt-get install qgis grass
```

To update simply run (copy-paste in the terminal)

```
sudo apt-get update && sudo apt-get upgrade
```

N.B. Once you write the command in the terminal press Enter and insert you password then once more enter

# How to configure QGIS Plugins

1. Once QGIS is started go to: Plugins → Manage Plugin  
From here you can add the installed plugins to QGIS.  
Be sure that the Plugin installer is checked
2. To install additional Plugins go to  
Plugins → Fetch Python Plugins  
From here you will be able to install, delete and update

