



Installation of the FREEWAT plugin

UNESCO-SADC Regional Training on Groundwater Modelling

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FREEWAT

Free and Open Source Software Tools for Water Resource Management
EU HORIZON 2020 Project



Installing QGIS/1

The first step in order to use FREEWAT is to install *QGIS*

It is strongly recommended to download the *last stable and Long Term Release (LTR) version of QGIS*, which is at present *version 2.14 Essen*

In order to avoid conflicts during FREEWAT installation, having *ONLY ONE VERSION OF QGIS* installed is highly recommended.

Furthermore, *having QGIS and ArcGIS jointly installed* on the same pc *is strongly discouraged* for the same reason.

Installing QGIS/2

In order to install QGIS, please visit the QGIS web site:
<http://www.qgis.org/en/site/forusers/download.html>

- Download QGIS executable (QGIS standalone Installer Version 2.14 or later, 32 or 64 bit)
- Execute the downloaded executable to install QGIS
- Once the installation is successfully completed, please check that the following folder has been automatically created:
C:\Users\your_name\.qgis2

Installing the FREEWAT plugin/1

In order to install the FREEWAT plugin, please follow these steps:

1. Download the zip file `freewat_0.3.3_with_patch.zip` from the following link:
<https://www.dropbox.com/sh/nav7flgdixt035I/AAB-lqABfhHrTqp0bCM1ZpM-a?dl=0>

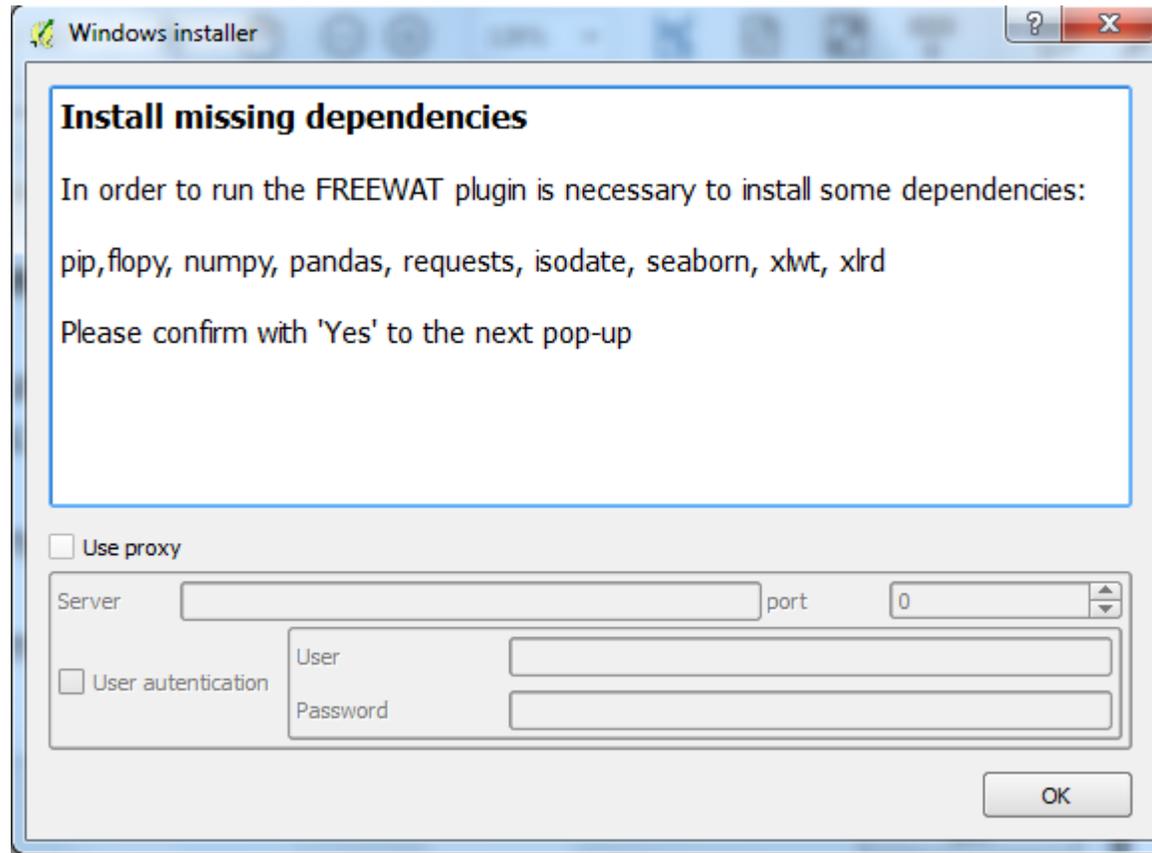
2. Extract the content of this zip file (i.e., the folder renamed *freewat*) in:
C:\Users\your_name\.qgis2\python\plugins

Note: Sometimes the *plugins* folder could not exist. In such case, you can just create it manually

3. Open QGIS

Installing the FREEWAT plugin/2

4. The following window appears, reporting that some dependencies are needed (pip, flopy, numpy, pandas, requests, isodate, seaborn, xlwt, xlrd):

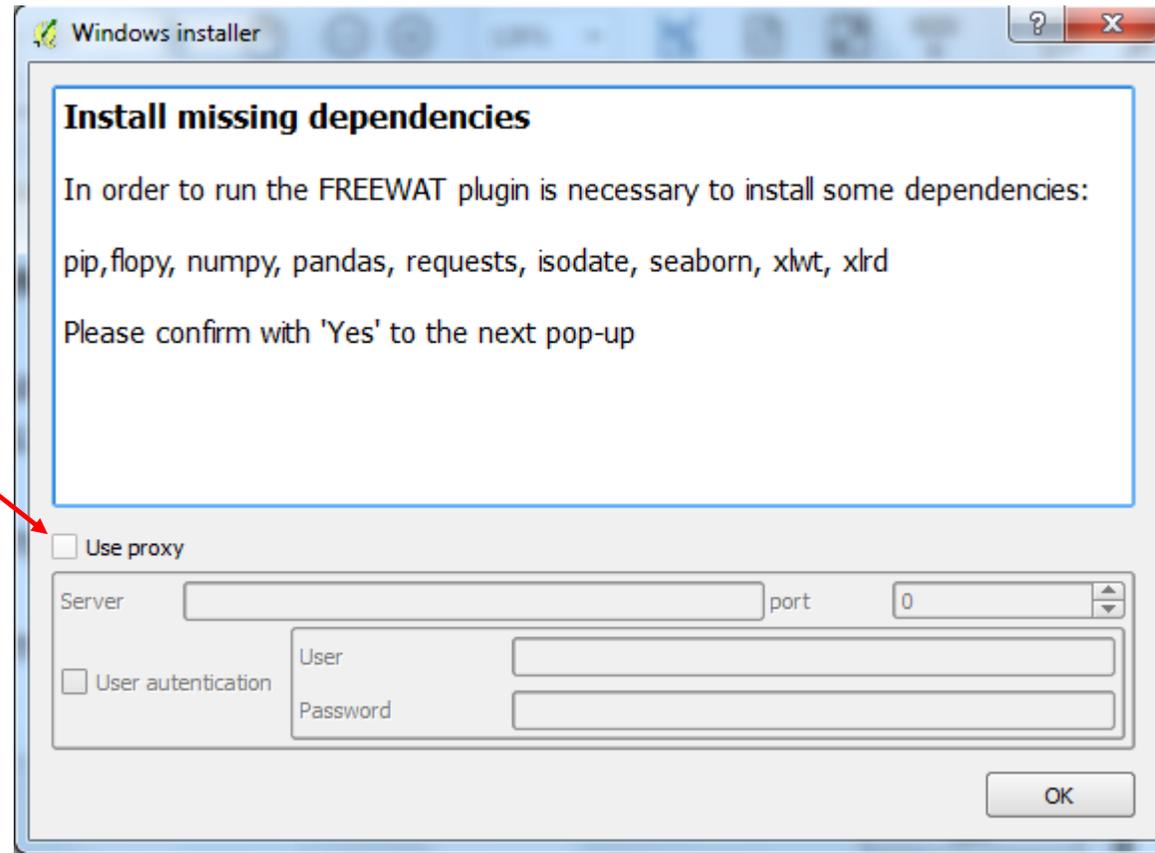


Installing the FREEWAT plugin/3

5. If you click OK, an automatic installation procedure will start to install all these dependencies.

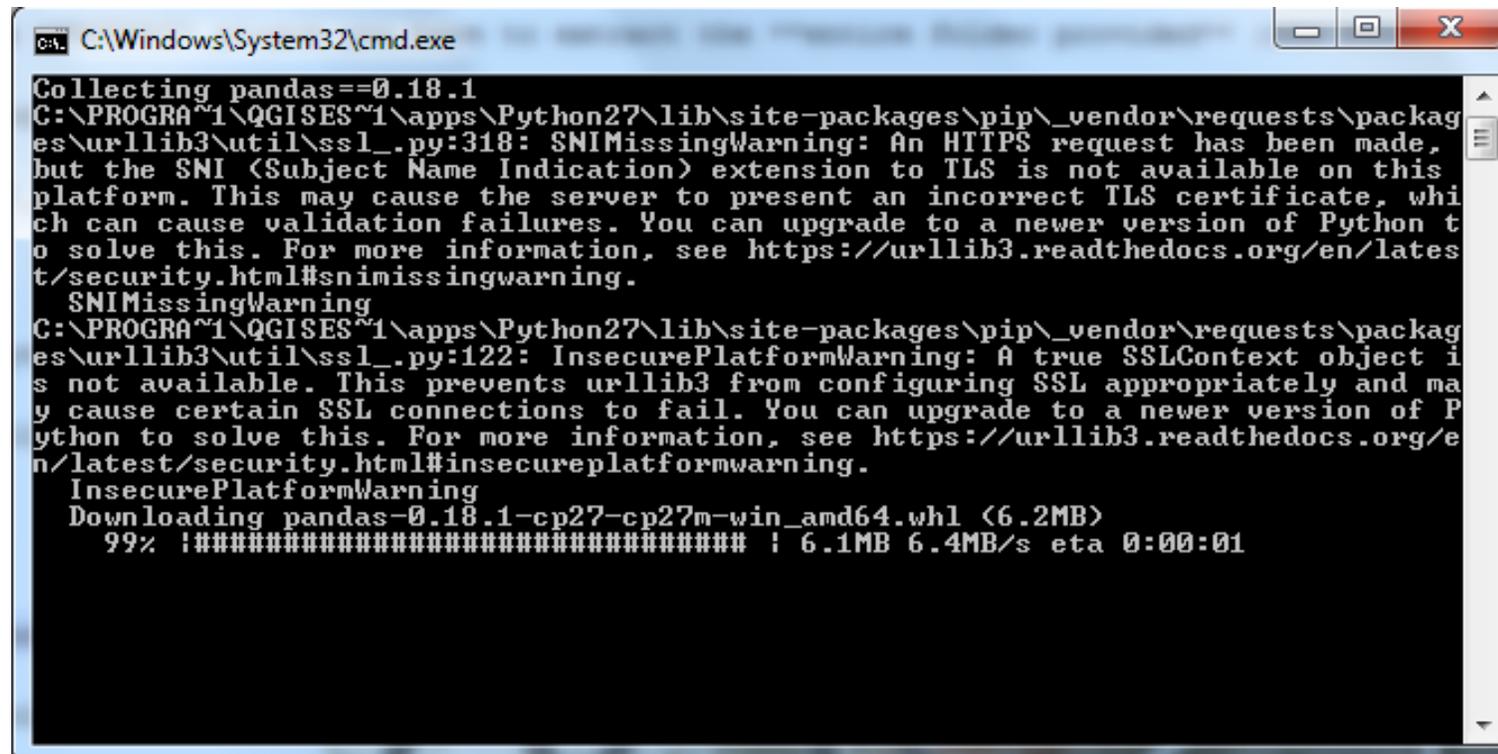
Note: you must be connected to the Internet

If you have a proxy,
please check this
checkbox and fill
the needed fields



Installing the FREEWAT plugin/4

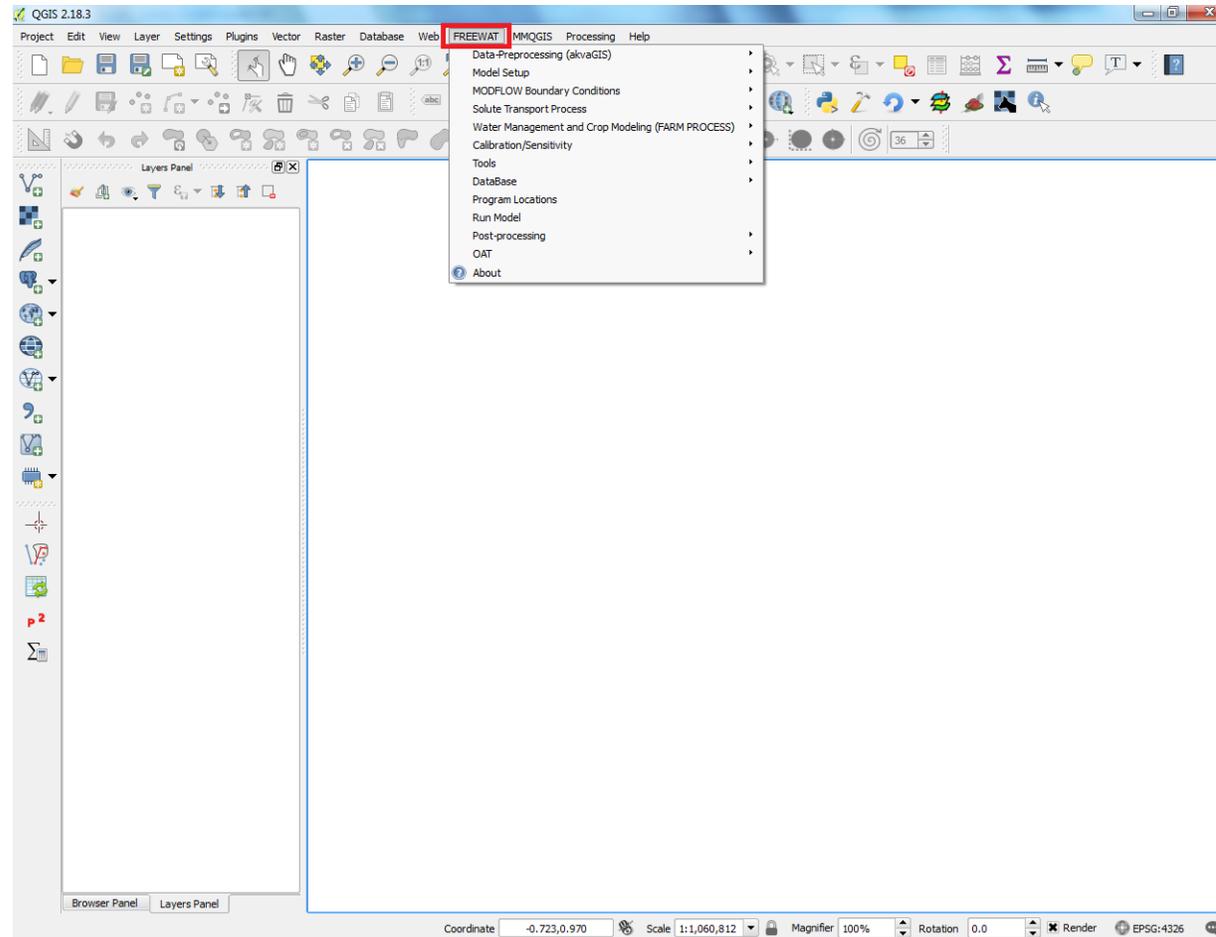
6. During the installation procedure, several pop-up windows will appear. If you are not the administrator of the computer, you will be asked to enter a password for each pop-up window



```
C:\Windows\System32\cmd.exe
Collecting pandas==0.18.1
C:\PROGRA~1\QGISES~1\apps\Python27\lib\site-packages\pip\_vendor\requests\packag
es\urllib3\util\ssl_.py:318: SNIMissingWarning: An HTTPS request has been made,
but the SNI (Subject Name Indication) extension to TLS is not available on this
platform. This may cause the server to present an incorrect TLS certificate, whi
ch can cause validation failures. You can upgrade to a newer version of Python t
o solve this. For more information, see https://urllib3.readthedocs.org/en/lates
t/security.html#snimissingwarning.
  SNIMissingWarning
C:\PROGRA~1\QGISES~1\apps\Python27\lib\site-packages\pip\_vendor\requests\packag
es\urllib3\util\ssl_.py:122: InsecurePlatformWarning: A true SSLContext object i
s not available. This prevents urllib3 from configuring SSL appropriately and ma
y cause certain SSL connections to fail. You can upgrade to a newer version of P
ython to solve this. For more information, see https://urllib3.readthedocs.org/e
n/latest/security.html#insecureplatformwarning.
  InsecurePlatformWarning
Downloading pandas-0.18.1-cp27-cp27m-win_amd64.whl (6.2MB)
 99% !##### ! 6.1MB 6.4MB/s eta 0:00:01
```

Installing the FREEWAT plugin/5

7. After all the needed dependencies have been correctly installed, QGIS opens automatically and you should see FREEWAT as a drop-down menu in the toolbar of QGIS



Installing the FREEWAT plugin/6

8. If not, just go to *Plugins -> Manage and Install Plugins...*, type *FREEWAT* in the search bar and click on the checkbox to activate the plugin

