



# **FEWS NET Tools**

## **Version 3.2.0 Plugin for QGIS**

# **Installation**

*FEWS NET*

*July - 2024*

FEWS NET provides a series of tools to help mitigate or prevent humanitarian crises. Fewstools is a powerful user-friendly set of tools for climate data analysis. This manual is intended for the installation of the fewstools plugin for QGIS.



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# Installation

## System Requirements

- Microsoft Windows Operating System (10 or later)
- QGIS 3.34.3 +

## Introduction

New versions of FEWS tools plugin are released periodically as bugs are discovered and repaired, or when performance improvements are implemented. This section describes the process of downloading and installing the FEWS tools plugin for QGIS for:

- New users
- Current users of FEWS tools plugin

For video tutorial on how to install the plugin, go here

[https://data.chc.ucsb.edu/people/diego/FEWS%20TOOLS/GeoCLIM/English/GeoCLIM%20%20instalation\\_english/fewstools%20%20instalation.mp4](https://data.chc.ucsb.edu/people/diego/FEWS%20TOOLS/GeoCLIM/English/GeoCLIM%20%20instalation_english/fewstools%20%20instalation.mp4). Once the software is installed, a detailed explanation of the different functions of the FEWS tools can be found in the **help/view GeoCLIM Manual** pull-down menu or visit <https://devhelp.fews.net/gclimkb/introduction>

### 1.1. Download FEWS tools plugin (All users)

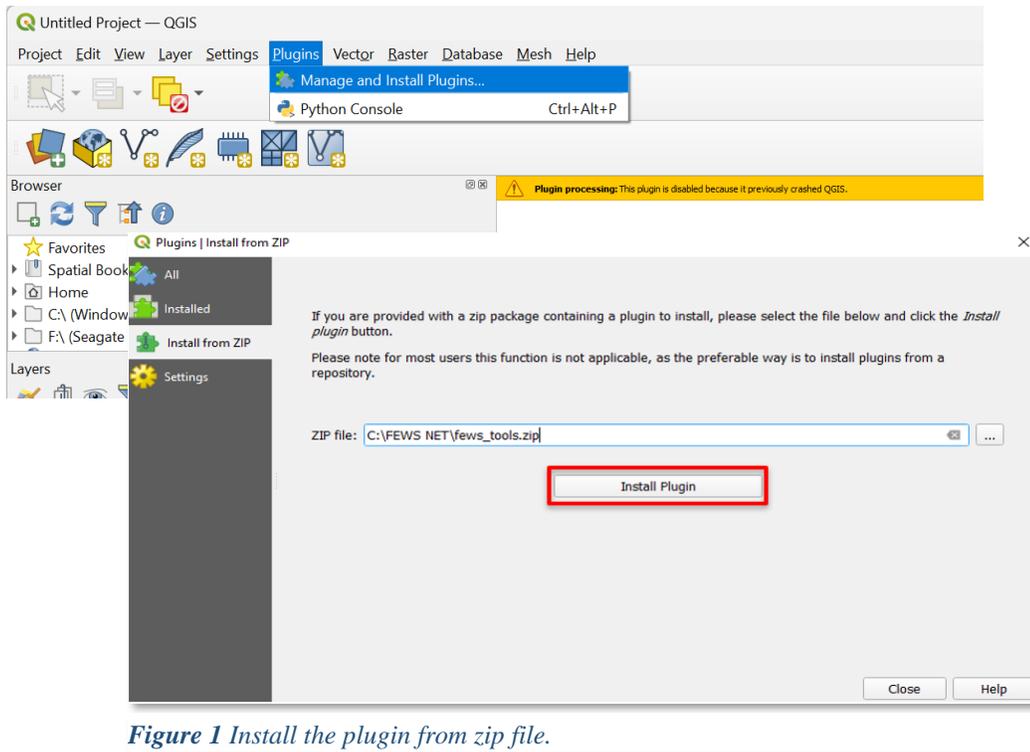
Please download the latest version of the plugin from:

[https://edcintl.cr.usgs.gov/downloads/sciweb1/shared/fews/geoclim/QGIS3/fews\\_tools\\_v3\\_2\\_0.zip](https://edcintl.cr.usgs.gov/downloads/sciweb1/shared/fews/geoclim/QGIS3/fews_tools_v3_2_0.zip)

### 1.2. Install the FEWS tools plugin (New users, current users of plugin)

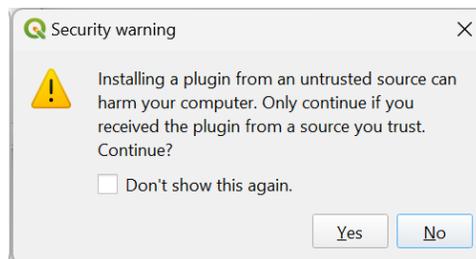
#### 1.2.1. New users

- a. Open QGIS
- b. Go to *plugins* pull-down menu
- c. Select *Manage and Install Plugins*
- d. Select *Install from Zip*, see Figure 1
- e. Browse and select the *fews\_tools.zip* file that you just downloaded
- f. Click on *Install Plugin* and follow the instructions, see Figure 1.



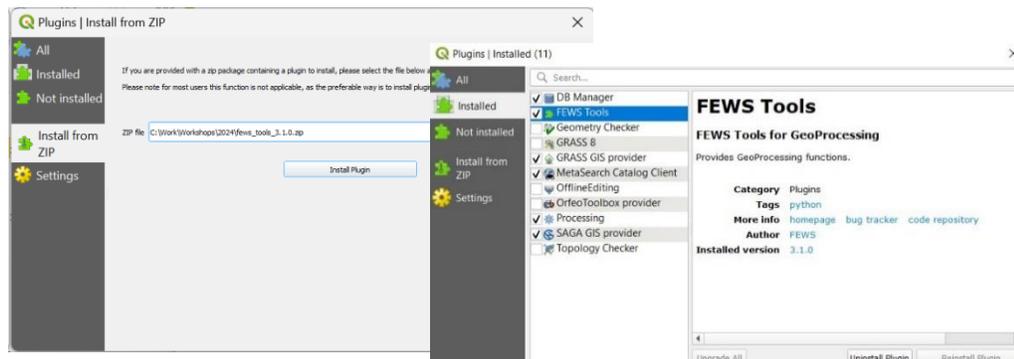
*Figure 1 Install the plugin from zip file.*

g. Click OK/Yes to accept all warnings and prompts that follow. See Figure 1.a.



*Figure 2.a confirm the creation of the workspace fevs\_tools\_WS.*

h. In QGIS, navigate to the *Plugins* menu and ensure there's a checkmark next to FEWS Tools to activate the plugin. See Figure 1.b.

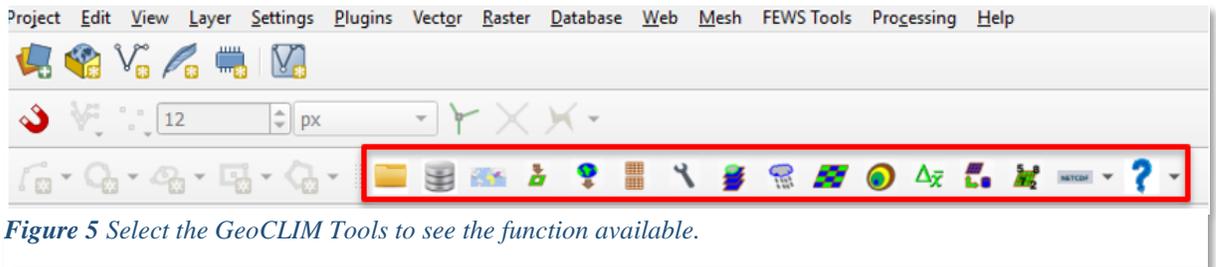


- i. In some cases, it necessary to restart QGIS. Once the plugin is installed, the *FEWS Tools* pull-down menu appear on the QGIS main bar, see Figure 2.



**Figure 4** Once the plugin is installed the new pull-down menus ‘FEWS Tools’ appear on the main toolbar in QGIS.

- j. Click on the *FEWS Tools* menu.
- k. Select GeoCLIM/GeoCLIM Tools or GeoWRSI to activate the tool bars.



**Figure 5** Select the *GeoCLIM Tools* to see the function available.

At this point the tool is ready to use, see the user’s manual for further instructions.

#### 1.2.1.1. How to move the workspace

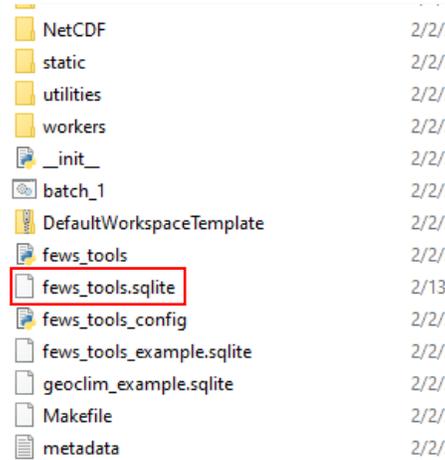
Click workspace setting (Yellow folder on Figure 3) Browse to select a folder where to put the workspace new location then click ok and click yes to confirm.

#### 1.2.2. Installing the plugin for Current users, installing a new version of the plugin

If you are already using the plugin and are installing an update, please keep in mind that all the datasets and region definitions that you have created are saved on the database file

**fewstools.sqlite**, in the fews\_tools directory in

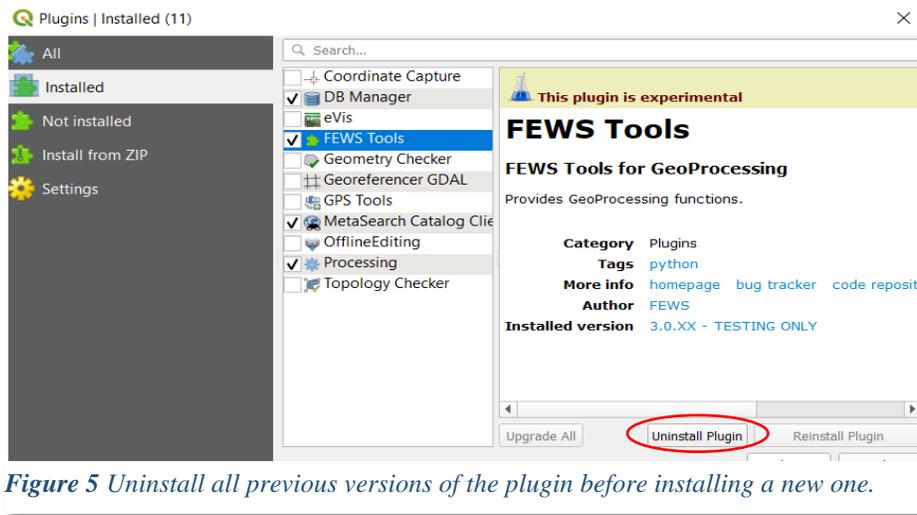
C:\Users\[name]\AppData\Roaming\QGIS\QGIS3\profiles\default\python\plugins\fews\_tools (see Figure 4). To install the new version, follow the steps below:



*Figure 4 Backup the fewstools.sqlite file to keep all your settings.*

**NOTE:** Make sure to backup frequently the database file **fewstools.sqlite** which contains all the changes in settings that you have made to customize the plugin, including the datasets, regions, path to new workspace, etc.

1. Save the fewstools.sqlite file in a separate directory.
2. Uninstall the plugin, see Figure 5.
  - a. Go to QGIS/plugins/installed
  - b. Select FEWS Tools
  - c. Click on Uninstall plugin
3. Install the new version of the plugin as described in 2.1
4. Replace the default fewstools.sqlite file in  
C:\Users\[name]\AppData\Roaming\QGIS\QGIS3\profiles\default\python\plugins\fews\_tools with the one saved from the previous version.
5. Restart QGIS



*Figure 5 Uninstall all previous versions of the plugin before installing a new one.*

**NOTE:** If you had already moved the workspace from the default to a new directory, before installing the new version, the path is corrected by replacing the fewstools.sqlite file.

## Acknowledgements

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