

# MapStream v2.0.0 – Installation Guide

## Requirements:

- Operating system: Windows;
- QGIS recommended version: from 3.16.3 to 3.16.10;

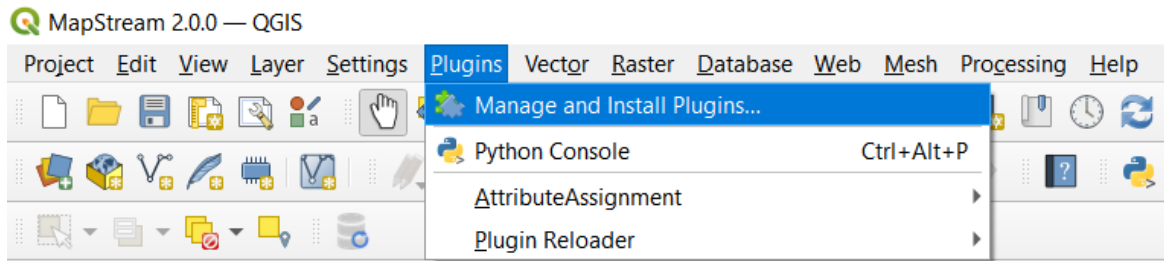
**TIP:** For a better visualization, it's recommended to set the display resolution settings to *1920 x 1080*, and scale to *125%*.

MapStream installation procedure can be automatic or manual.

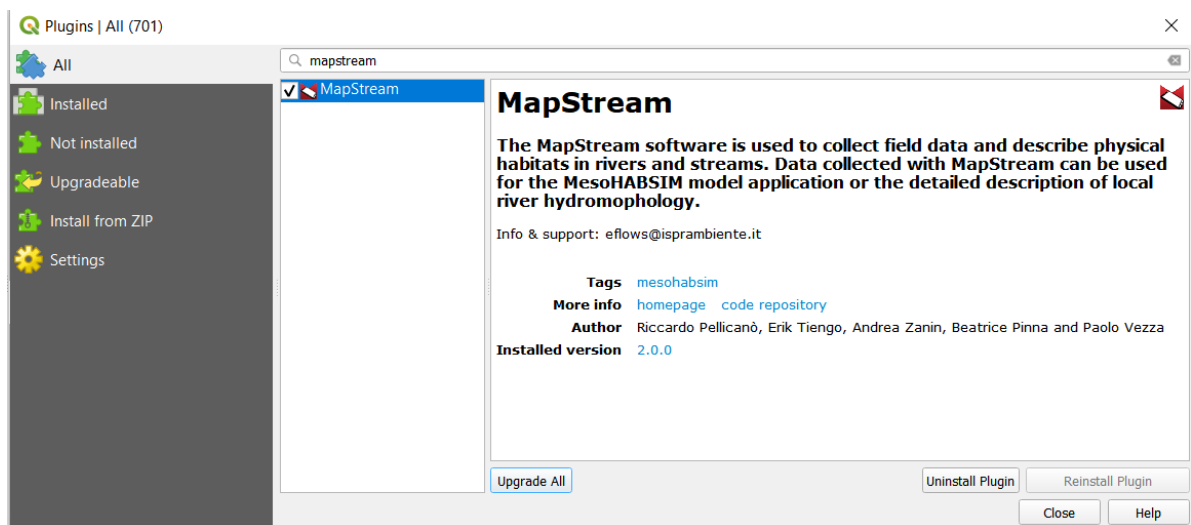
## Automatic installation procedure:

- 1) Download the QGIS software here  
<https://www.qgis.org/it/site/forusers/download.html> or select a specific release version here <http://download.osgeo.org/qgis/windows>;
- 2) The QGIS installation automatically creates the folder 'QGIS 3.16' in the Windows Users directory (C:\Program Files\QGIS 3.16); make sure that your QGIS folder is not located in another directory;
- 3) Unzip the "mapstream2.0.0\_installation.zip" archive;
- 4) Select the installation file, based on the currently installed version of QGIS:
  - QGIS 3.16 → install-mapstream2.0.0-qgis3.16.bat
- 5) Open the *Properties* tab of the "install\_mapstream2.0.0-qgis3.16.bat" installation file and if necessary, check the *Unblock* checkbox at the bottom of the window;
- 6) Right click on the "install\_mapstream2.0.0-qgis3.16.bat" installation file and select the option *Run as Administrator*;
- 7) During the installation the QGIS software must be closed;

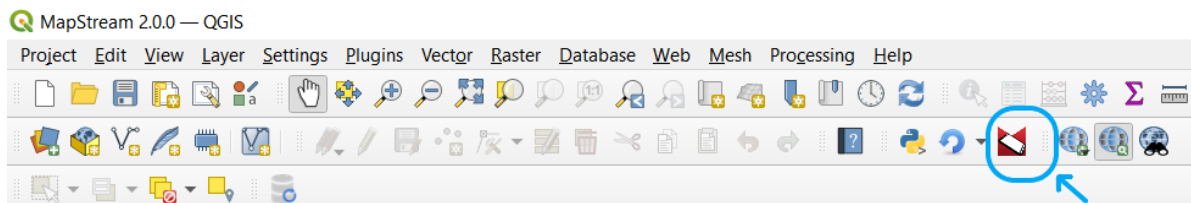
- 8) Once the installation procedure is finished, start QGIS and click on the main menu the *Plugins* voice and select *Manage and install plugins*;



- 9) Select and flag the *MapStream* plugin;



- 10) Close the plugin management window and the *MapStream* icon will appear on the QGIS toolbar;



- 11) Now you can open the plugin and start your hydromorphological survey.

### **Manual installation procedure:**

- 1) Close the QGIS software;

- 2) Open the QGIS3 folder. This folder will likely be located at the following path:  
*C:\Program Files\QGIS 3.16*, or at the path chosen during the QGIS installation;
- 3) Inside this folder, look for the OSGeo4W.bat file (File Batch Windows) and run the OSGeo4W shell;
- 4) Activate the python environment by typing the following command in the shell and pressing enter:

- *py3\_env.bat*

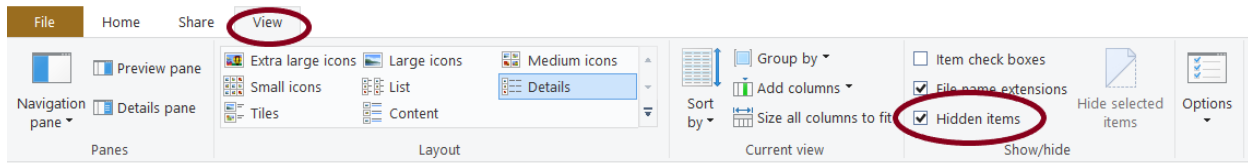
- 5) Still from shell, install the python modules by running the following commands:

- *pip install pyserial*
- *pip install pybluez*

- 6) Look for the QGIS3 plugins folder in the path:

*C:\Users\\*USERNAME\*\AppData\Roaming\QGIS\QGIS3\profiles\default\python\plugins*

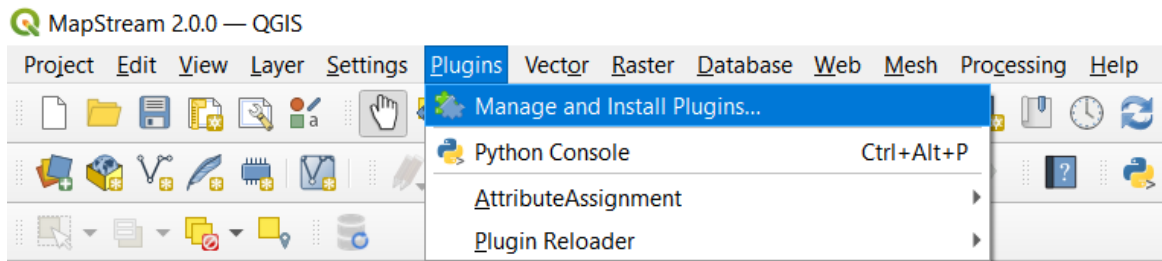
If the *AppData* folder is not visible, select the *Hidden Items* option from the *View* toolbar of the File Explorer;



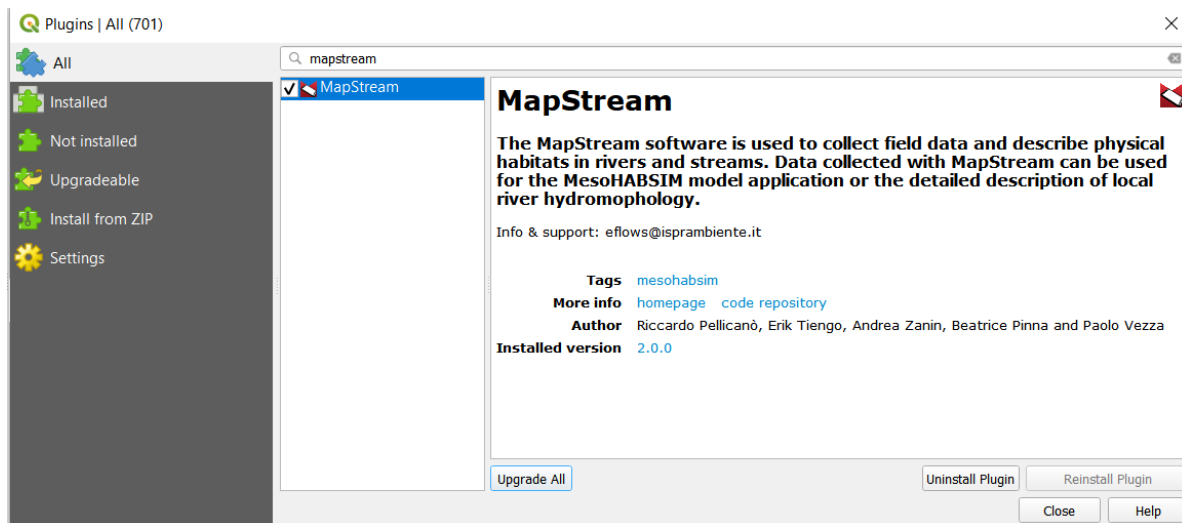
- 7) If the plugins folder is not present, create a new folder renamed *plugins* in the path above;

- 7) Copy and Paste the folder *MapStream* from the *.zip* folder of *MapStream 2.0.0.zip* to the *plugins* folder.

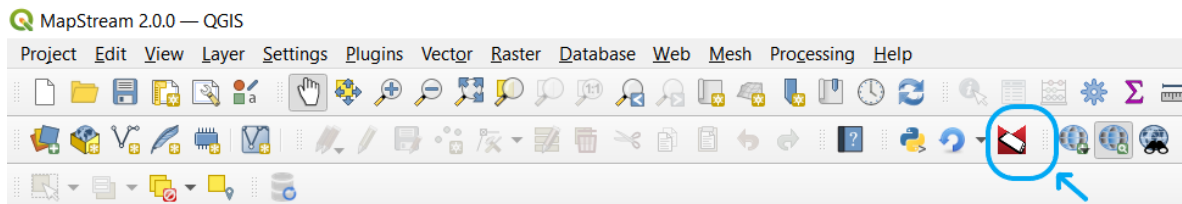
8) Start QGIS and click on the main menu the *Plugins* voice and select *Manage and install plugins*;



9) Select and flag the *MapStream* plugin;



10) Close the plugin management window and the *MapStream* icon will appear on the QGIS toolbar;



For any inquiries and technical issues please contact the MesoHABSIM development team ([eflows@isprambiente.it](mailto:eflows@isprambiente.it)).