

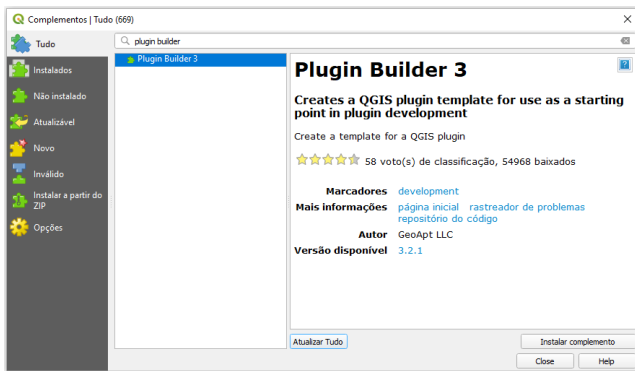
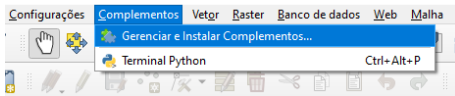
# PyQGIS - plugins de interface

Disciplina: Programação aplicada à engenharia cartográfica

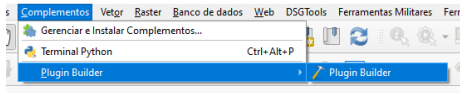
Maurício C. M. de Paulo - D.Sc.

23 de fevereiro de 2026

# Plugin Builder: Passo a passo

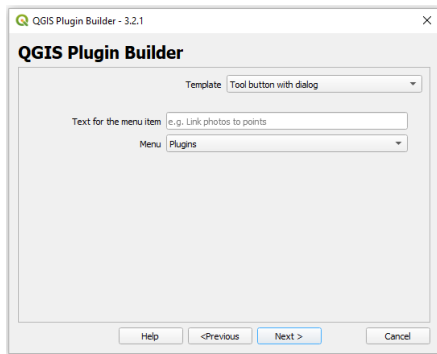
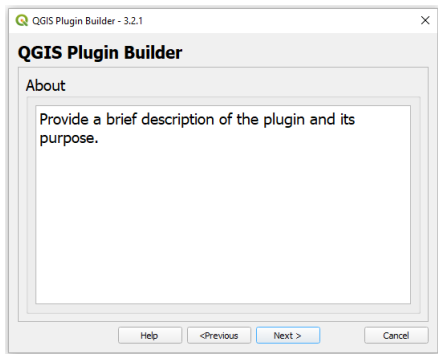


# Plugin Builder: Passo a passo

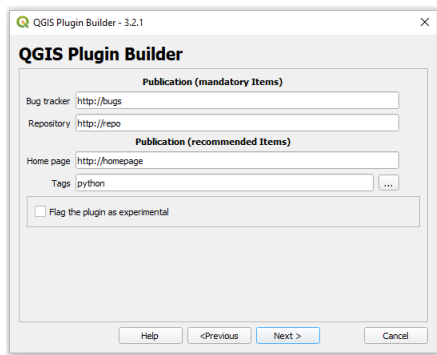
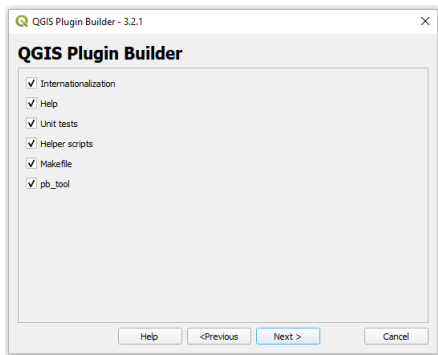
A screenshot of the 'QGIS Plugin Builder - 3.2.1' dialog box. The dialog has a title bar with a close button. The main area contains several input fields for plugin metadata. The fields are: 'Class name' (e.g. PhotoLinker), 'Plugin name' (e.g. Photo Linker), 'Description' (e.g. This plugin links points to photos), 'Module name' (e.g. photo\_linker), 'Version number' (0.1), 'Minimum QGIS version' (3.0), 'Author/Company' (e.g. Acme widgets Inc.), and 'Email address' (e.g. jack@qgis.org). At the bottom, there are buttons for 'Help', '<Previous', 'Next >', and 'Cancel'.

testPlugin  
Main Plugin  
mainPlugin

# Plugin Builder: Passo a passo



# Plugin Builder: Passo a passo



# Plugin Builder: Onde salvar?

- Onde salvar?
- LINUX
  - `/home/username/.local/share/QGIS/QGIS3/profiles/default/python/plugins/`
- WINDOWS
  - `C:\Users\<user>\AppData\Roaming\QGIS\QGIS3\profiles\default\python\plugins\`

# Criação de Plugin: Estrutura básica do plugin

- `__init__.py` = The starting point of the plugin. It has to have the `classFactory()` method and may have any other initialisation code.
- `mainPlugin.py` = The main working code of the plugin. Contains all the information about the actions of the plugin and the main code.
- `resources.qrc` = The .xml document created by Qt Designer. Contains relative paths to resources of the forms.
- `resources.py` = The translation of the .qrc file described above to Python.
- `form.ui` = The GUI created by Qt Designer.
- `form.py` = The translation of the form.ui described above to Python.
- `metadata.txt` = Contains general info, version, name and some other metadata used by plugins website and plugin infrastructure.

[https://docs.qgis.org/3.34/en/docs/pyqgis\\_developer\\_cookbook/plugins/plugins.html](https://docs.qgis.org/3.34/en/docs/pyqgis_developer_cookbook/plugins/plugins.html)