

# **Pequeno Passo-a-Passo para instalação do OSGeo4W**

**Essa instalação é necessária para uso do classificador  
Random Forest disponível no *plugin* Dzetsaka**

3.12.1  
3.10.4 LTR

DESCUBRA O QGIS

PARA USUÁRIOS

PARTICIPE

DOCUMENTAÇÃO

Pesquisar

Português (Brasil)

# Baixe o QGIS para a sua plataforma.

Binary packages (installers) are available from this page.

A versão atual é o QGIS 3.12.1 'București' e foi lançada em 20.03.2020.

The long-term repositories currently offer QGIS 3.10.4 'A Coruña'.

QGIS is available on Windows, macOS, Linux and Android.

[DOWNLOAD DOS INSTALADORES](#)[TODOS OS LANÇAMENTOS](#)[FONTES](#)

## Baixar para Windows

### QGIS in OSGeo4W:

[Instalador a partir da rede OSGeo4W \(64 bit\)](#)[Instalador a partir da rede OSGeo4W \(32 bit\)](#)

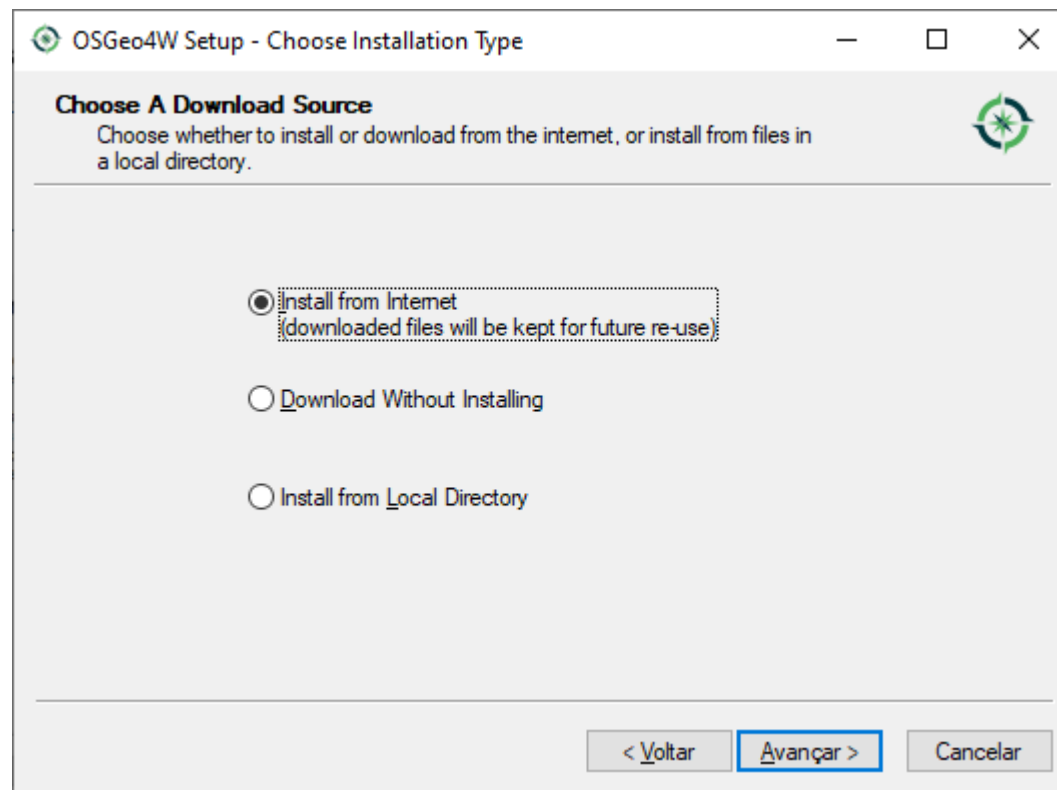
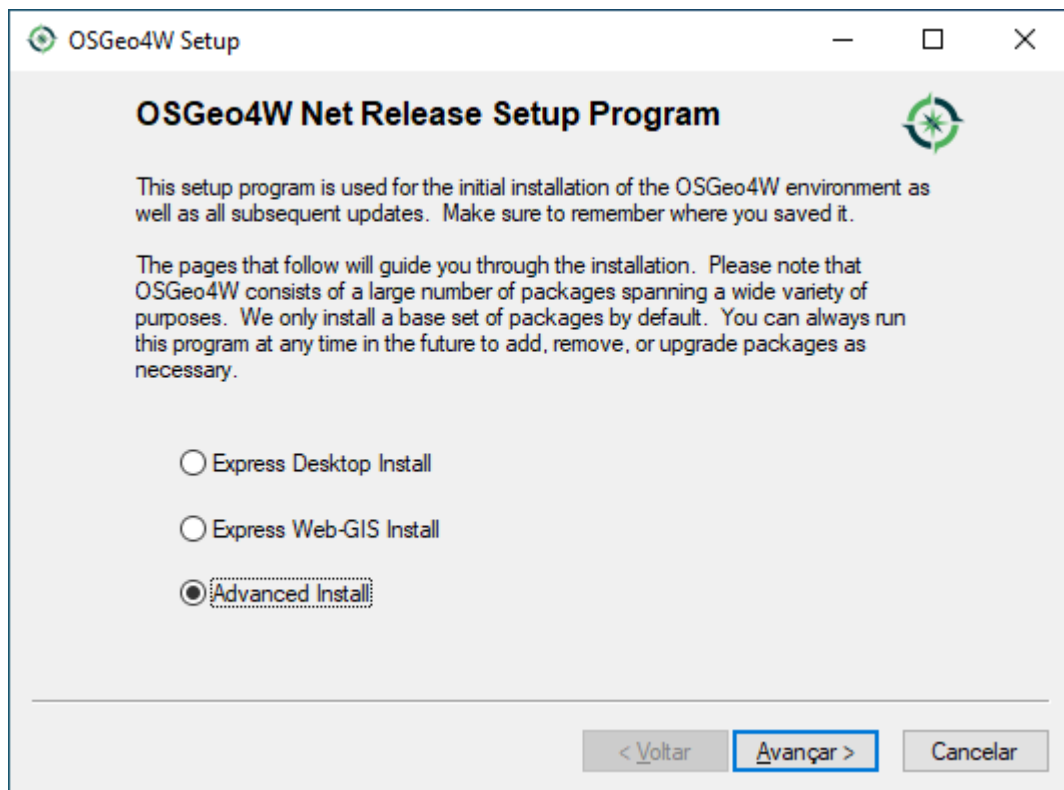
No instalador escolha **Desktop Express Install** e seleccione **QGIS** instalar o último lançamento

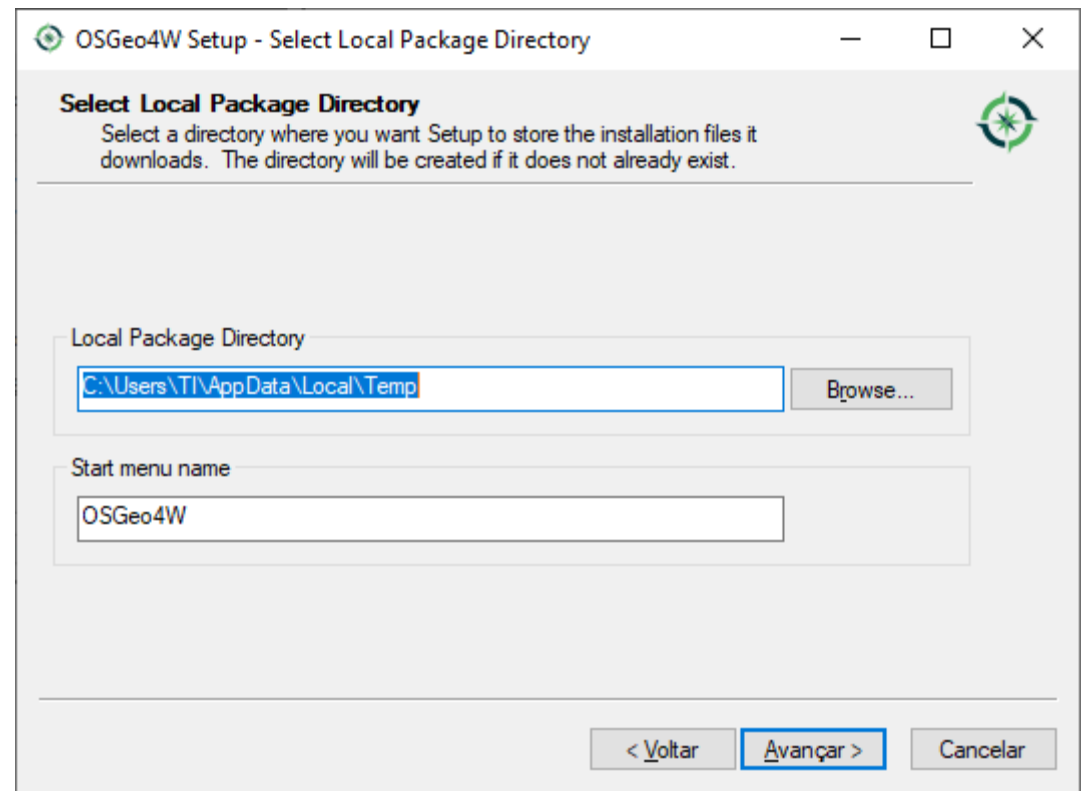
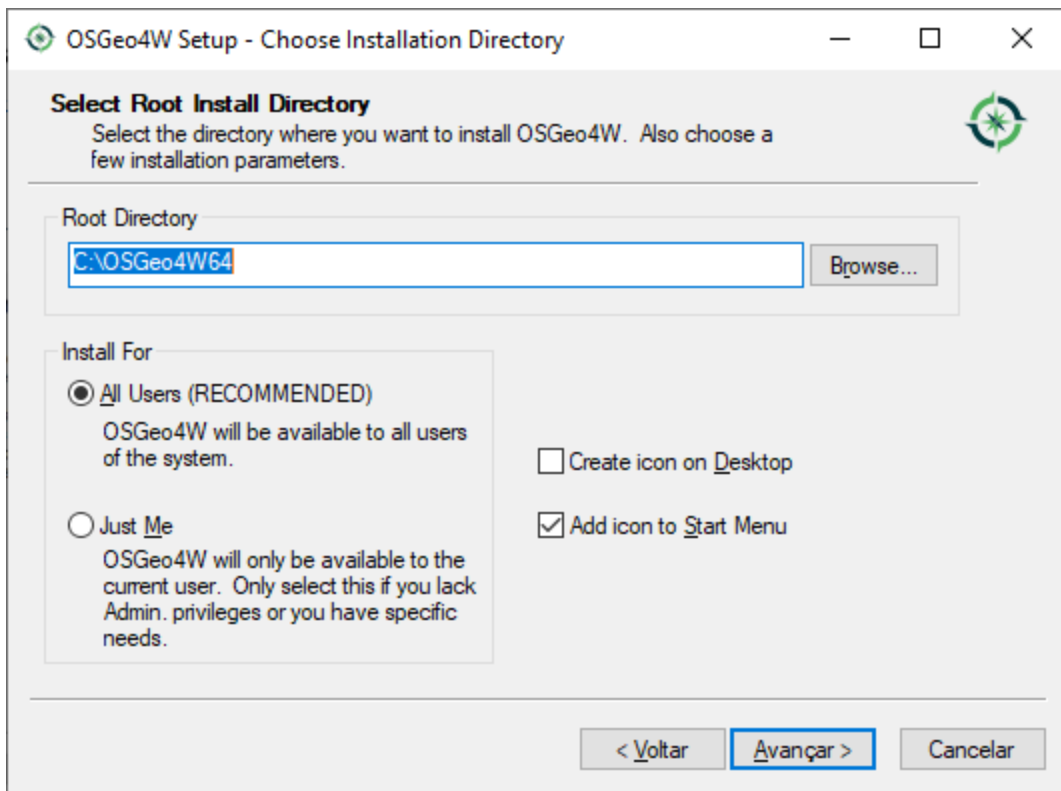
To get the *long term release* (that is not also the latest release) choose **Instalação avançada** e seleccione **qgis-ltr-full**

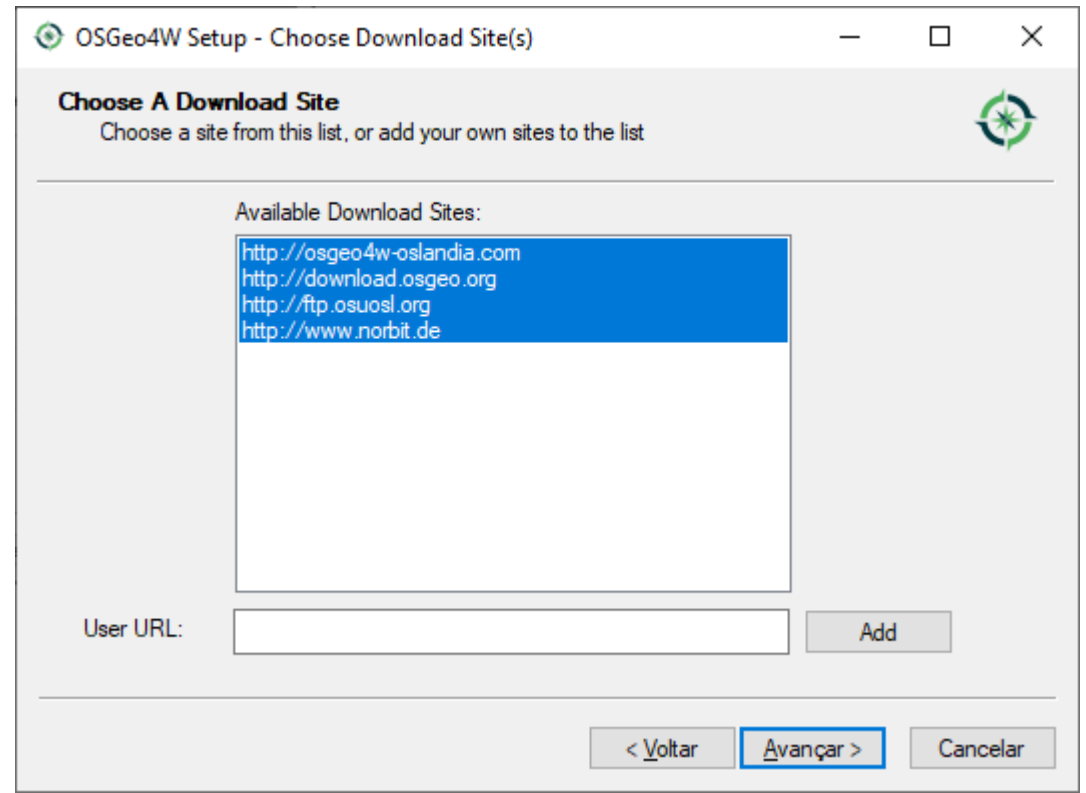
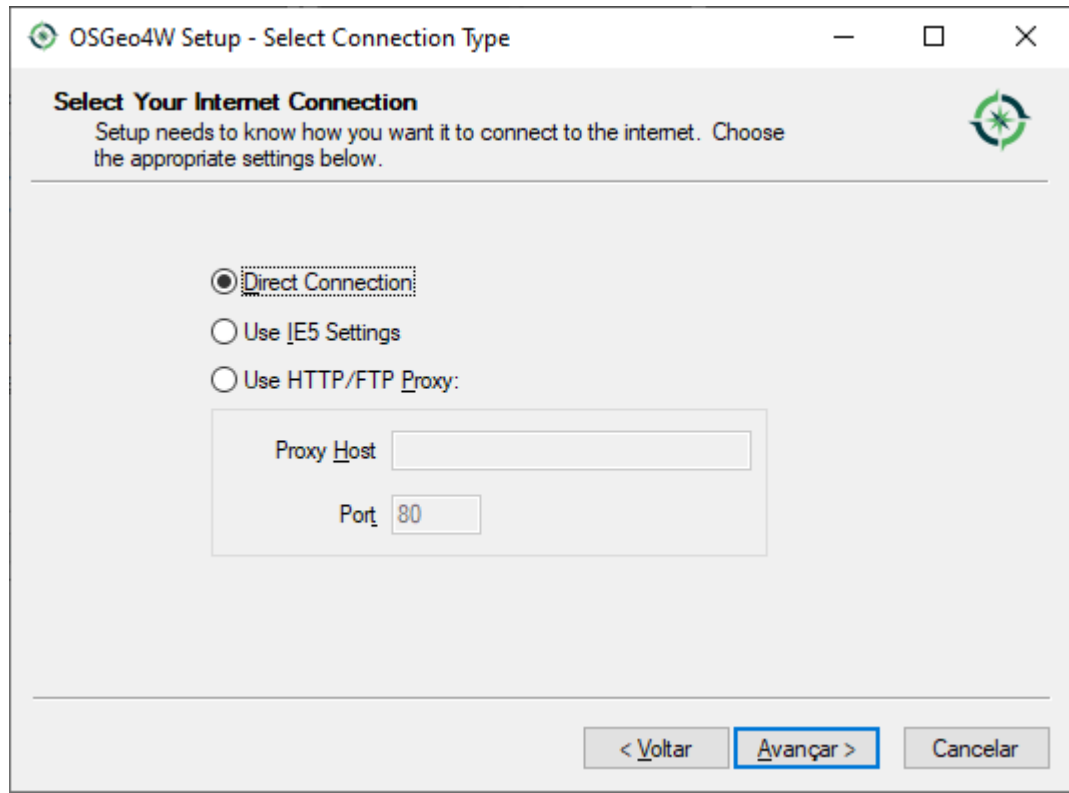
## Baixar a versão do OSGEO4W (a maioria está usando a versão 64 bits)

[https://download.osgeo.org/osgeo4w/osgeo4w-setup-x86\\_64.exe](https://download.osgeo.org/osgeo4w/osgeo4w-setup-x86_64.exe)

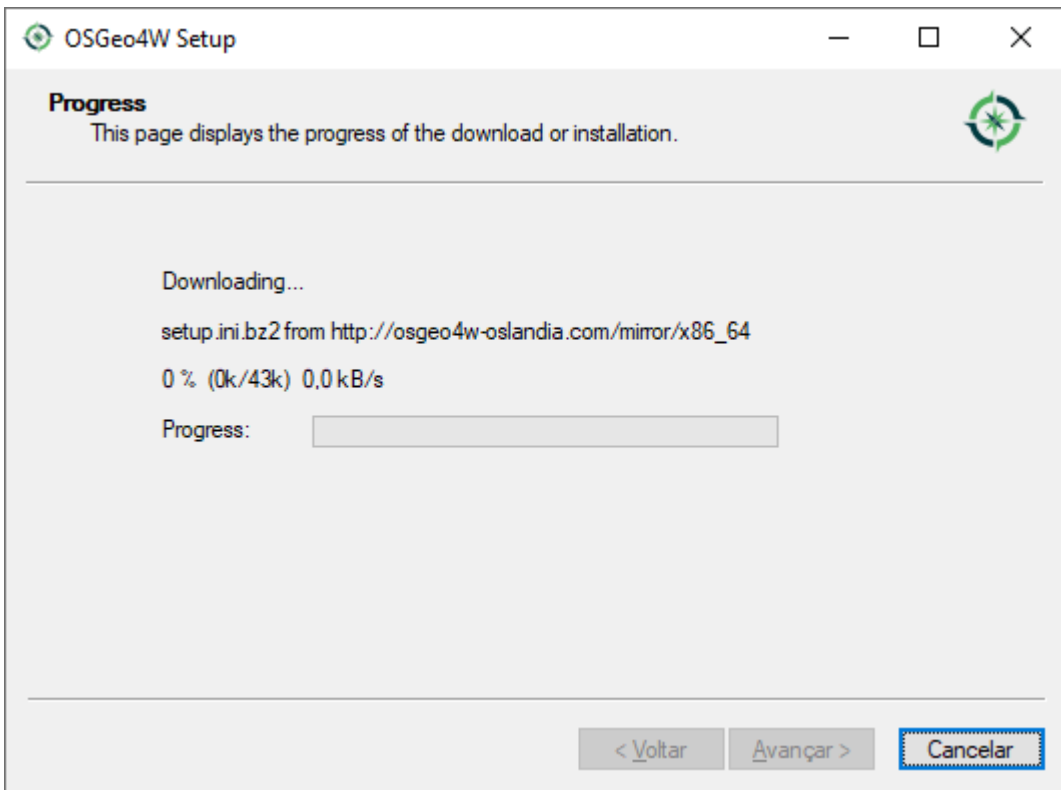
Depois iniciar a instalação:



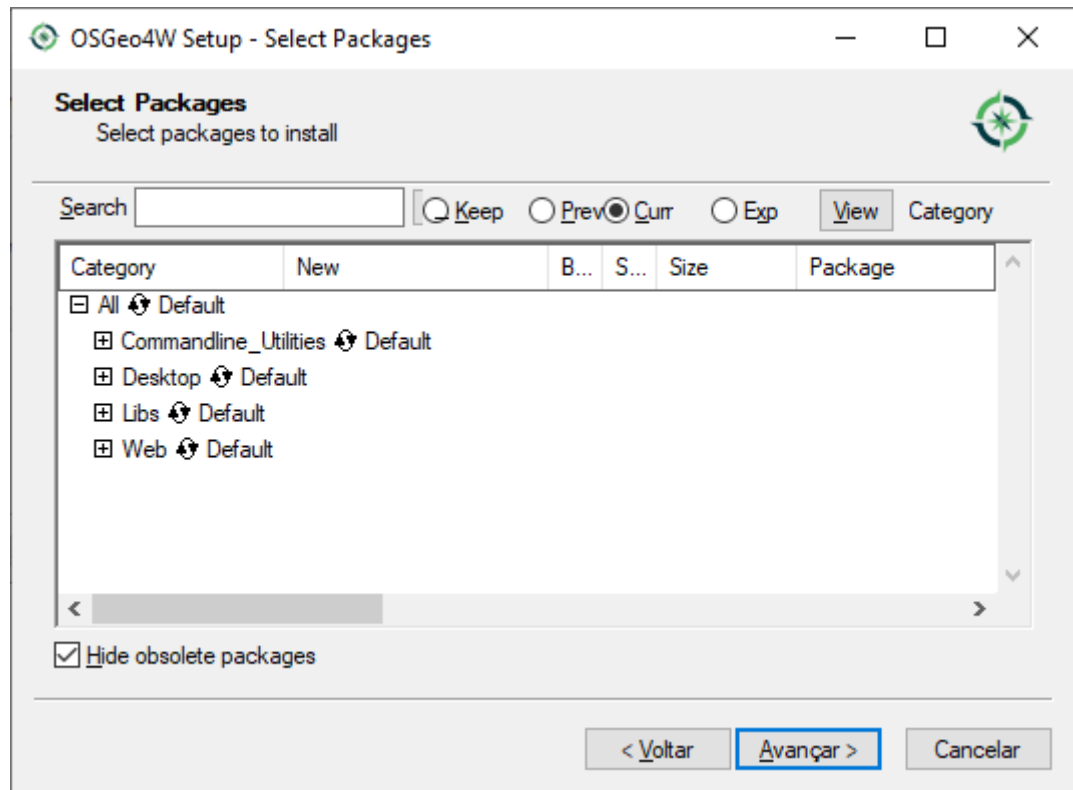




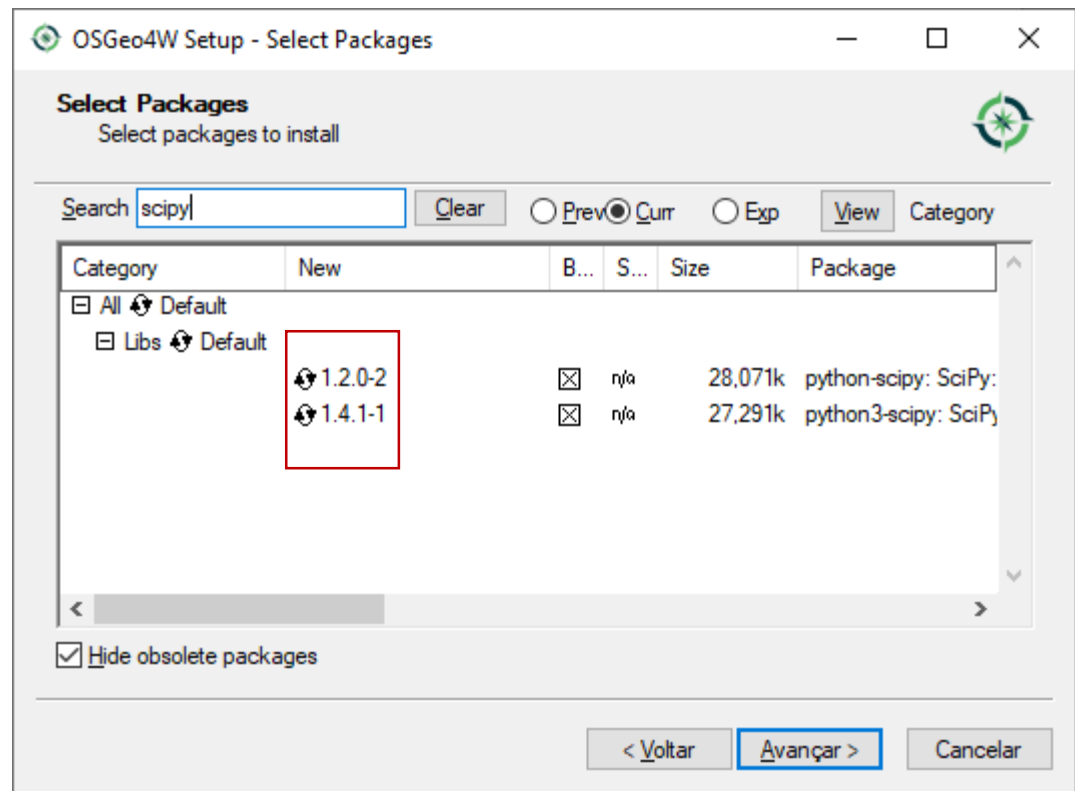
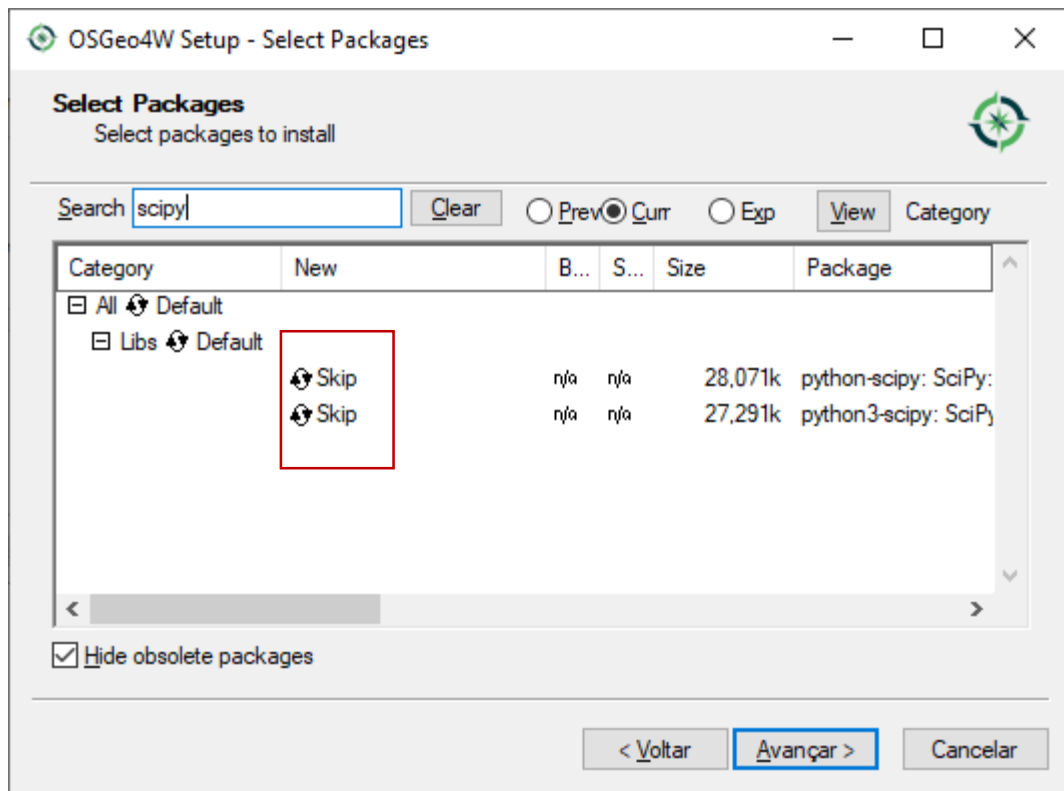
Selecionar todos Sites

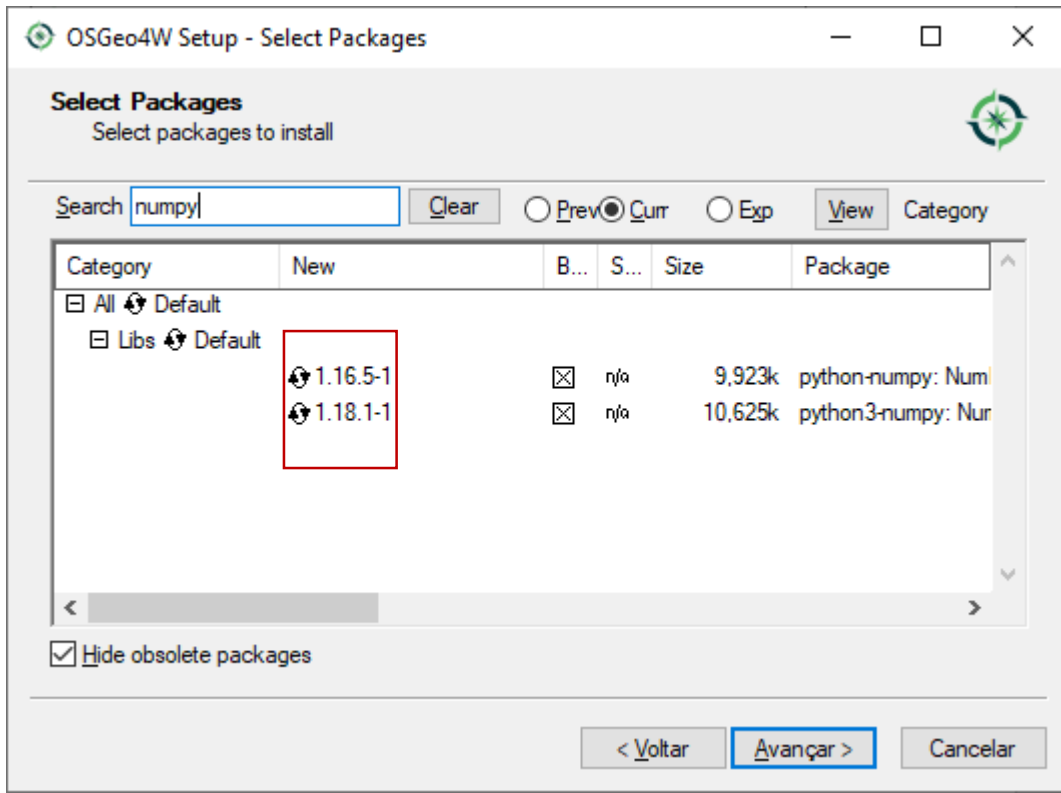


Pessoal, tem que instalar 3 bibliotecas que são:  
“scipy”, “numpy” e “pil”

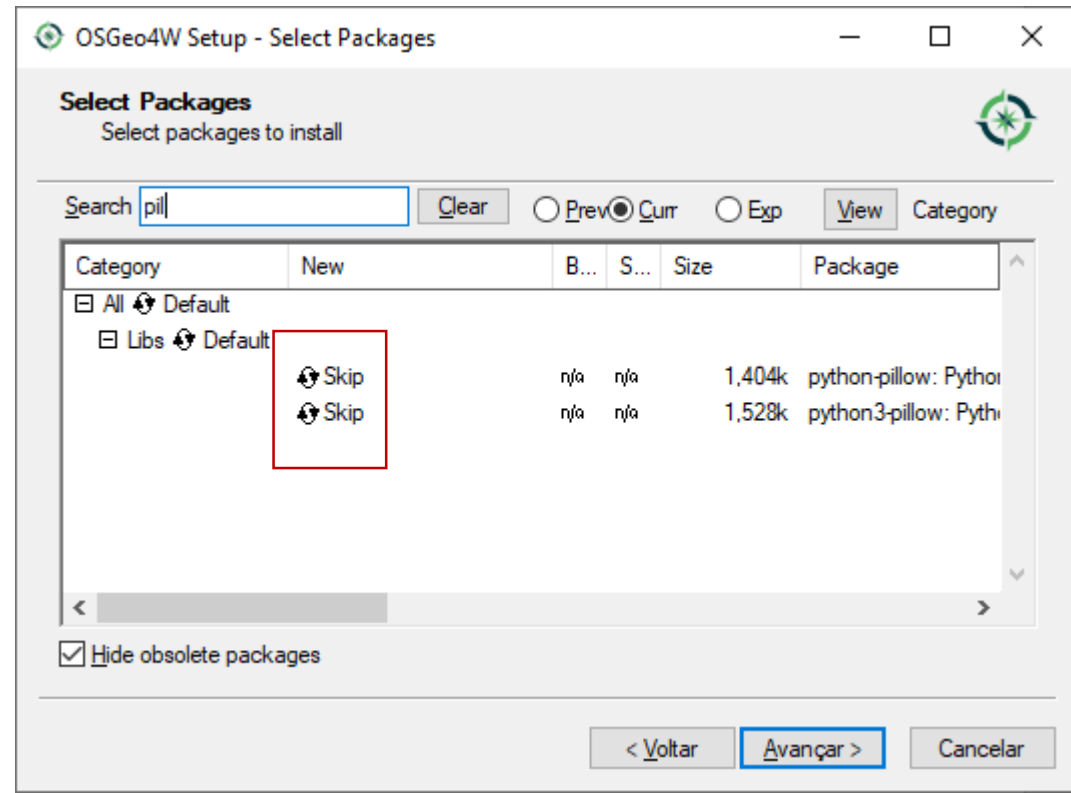


Vai aparecer essa janela, no campo Search  
Digitar “scipy”



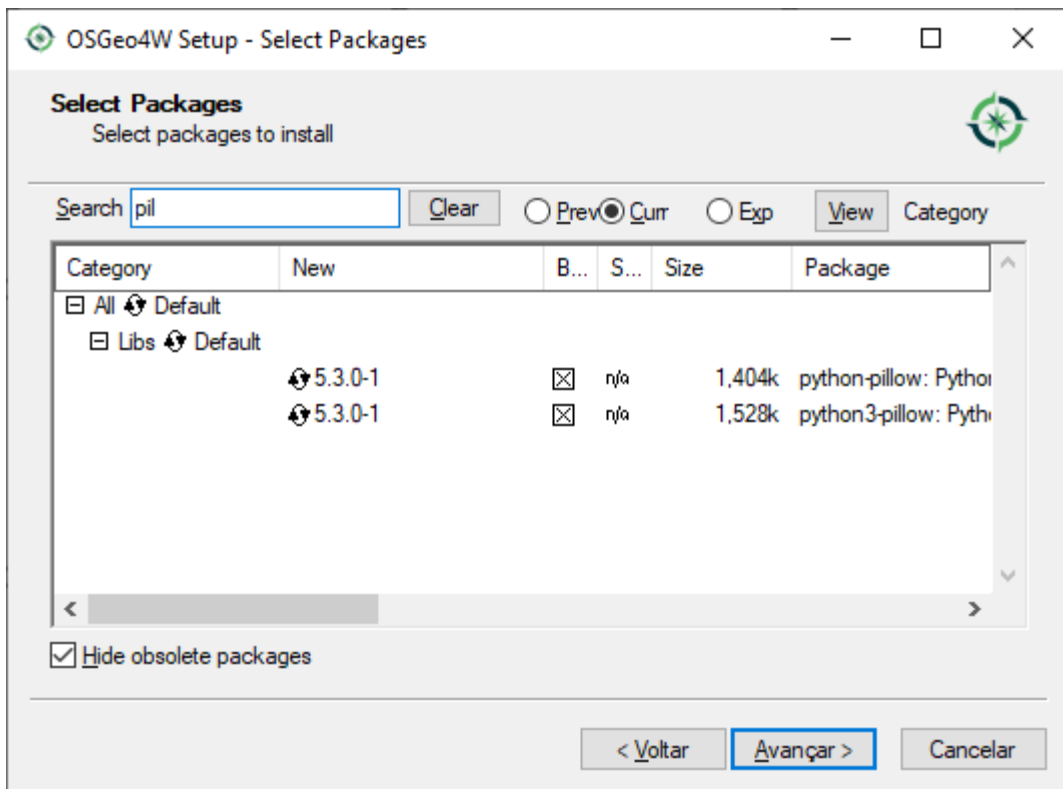


Depois digitar no campo Search “numpy”, aí  
Clicar no “Skip” também muda automaticamente

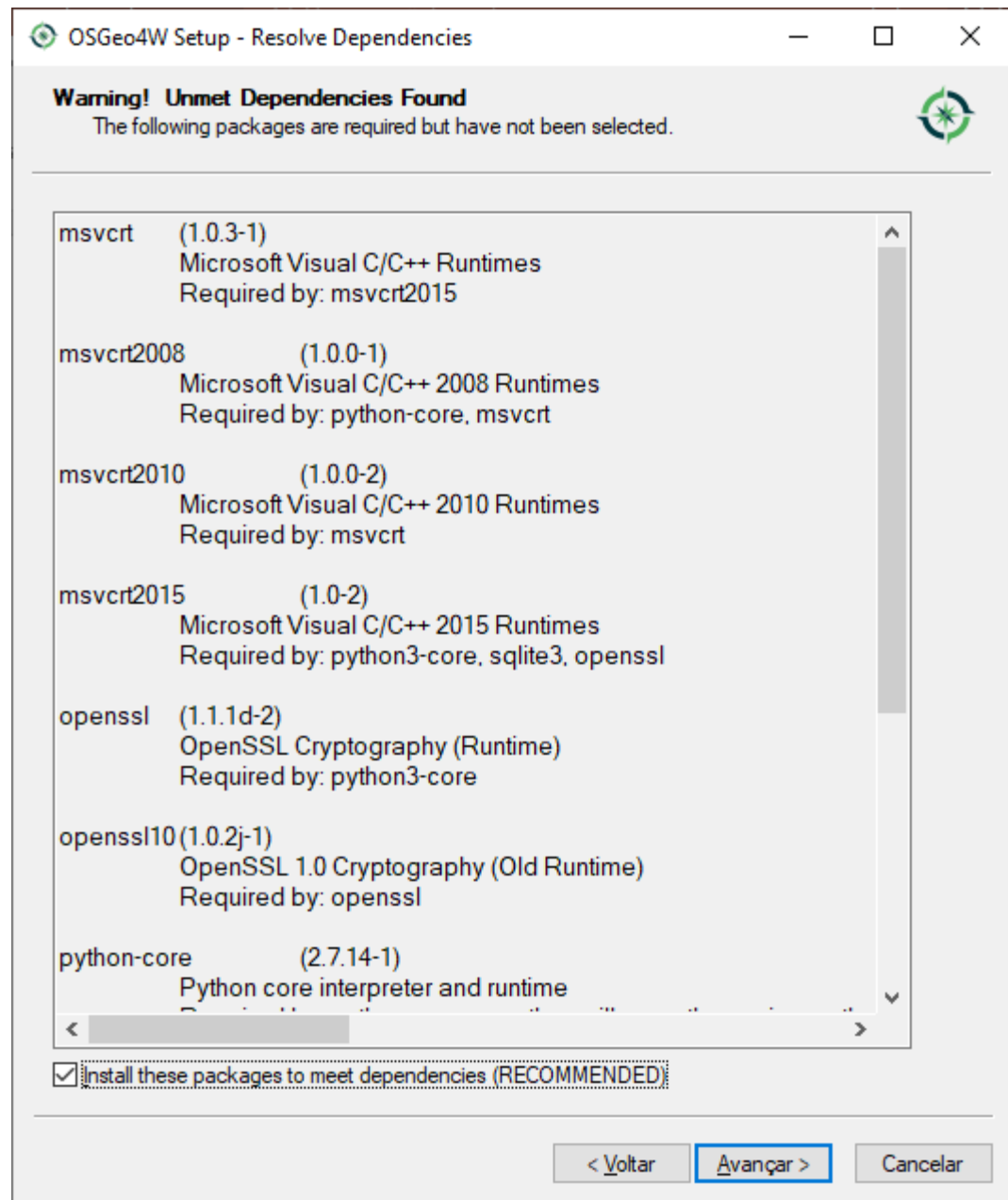


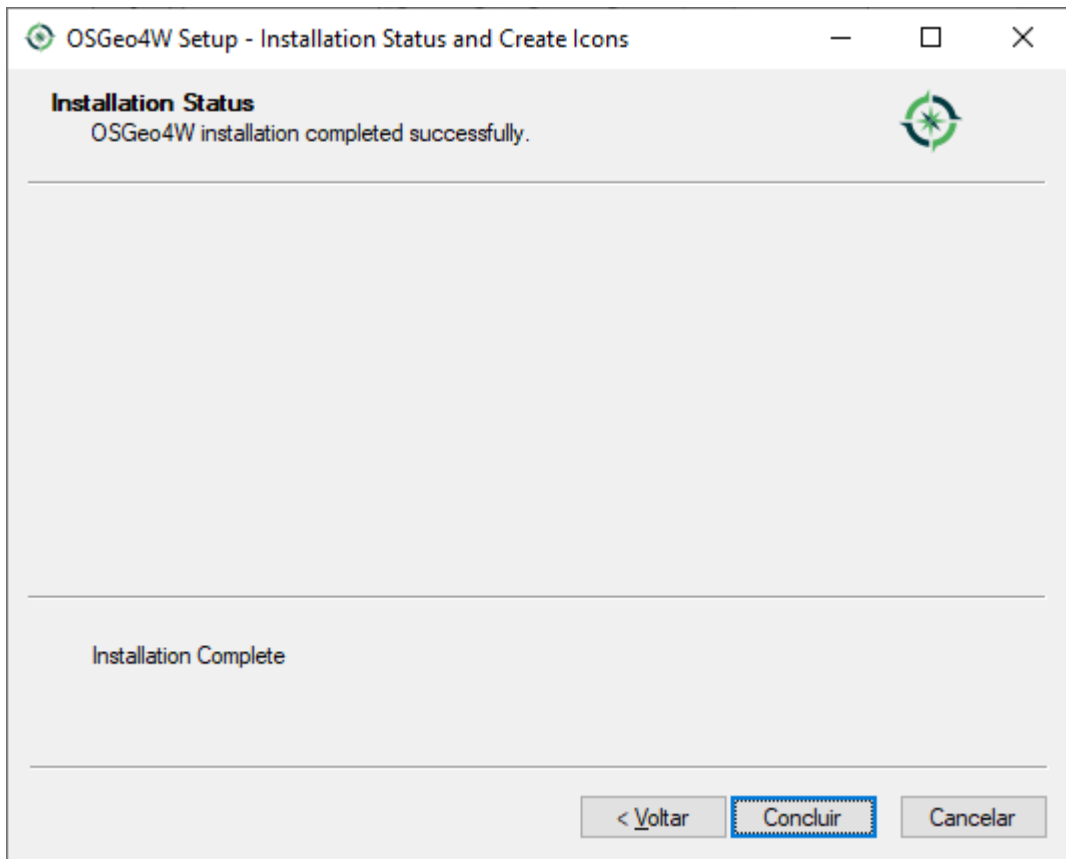
Novamente digitar no campo Search “pil”, aí  
Clicar no “Skip” também muda automaticamente





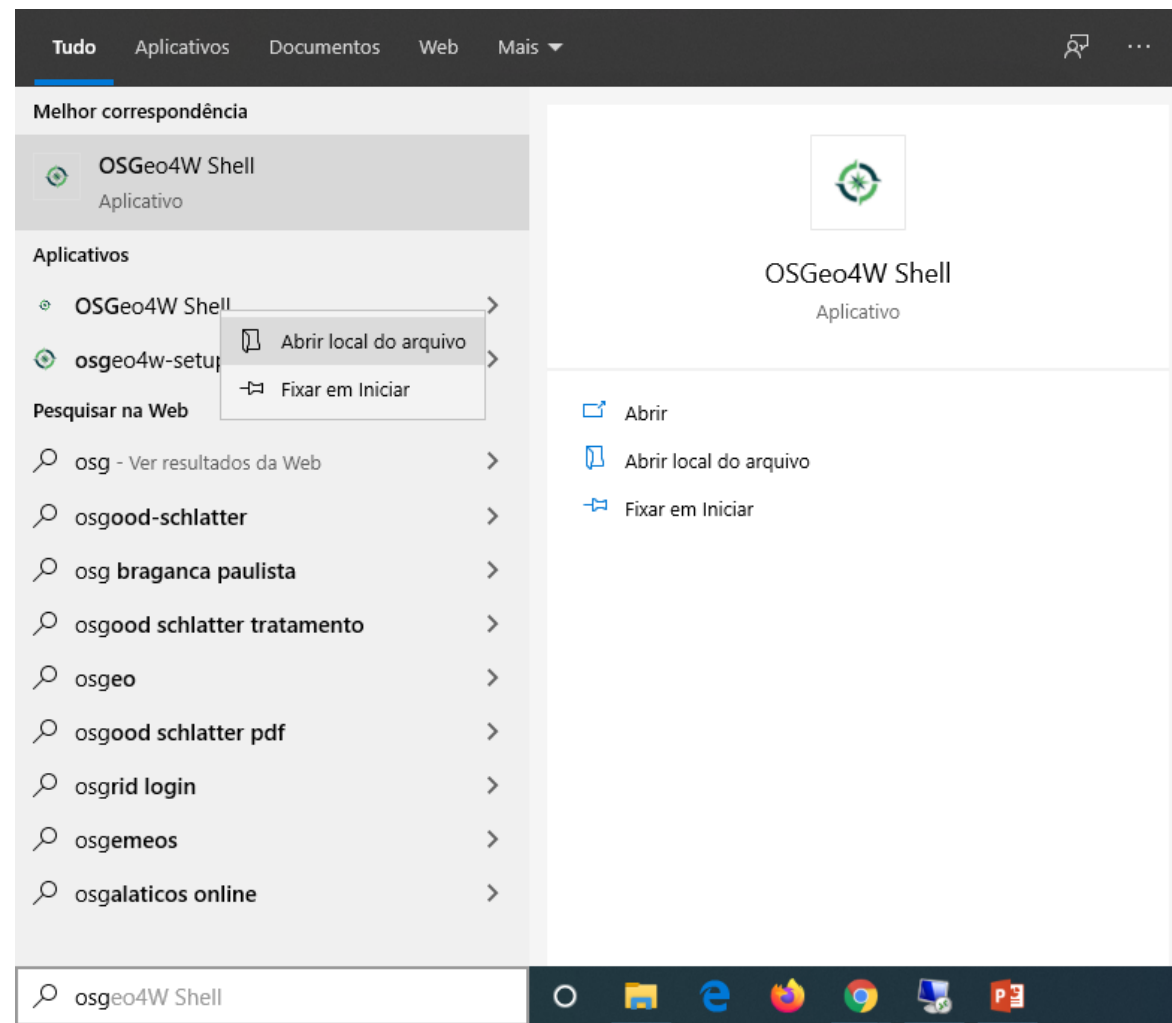
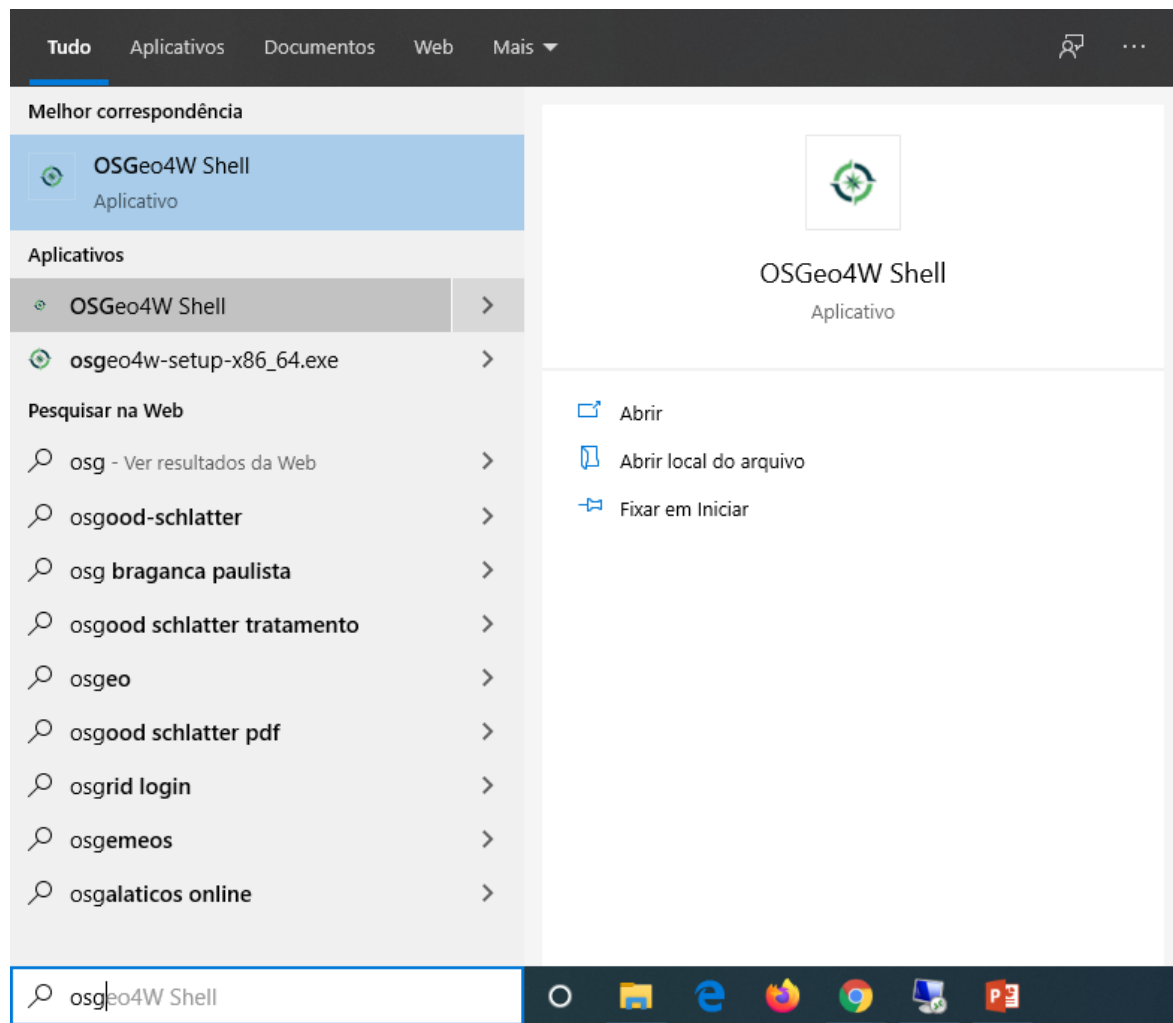
Aí finalmente clica em “Avançar”





Instalação Finalizada, clicar em “**Concluir**”

## 2ª Etapa: Abrir o OSGeo4W Shell, como abaixo:



Nome	Data de modificação	Tipo	Tamanho
GRASS GIS 7.8.2	10/04/2020 13:27	Atalho	2 KB
OSGeo4W Shell	10/04/2020 13:31	Atalho	2 KB
QGIS Desktop 3.10.4 with GRASS 7.8.2	10/04/2020 13:31	Atalho	2 KB
QGIS Desktop 3.10.4	10/04/2020 13:31	Atalho	2 KB
Qt Designer with QGIS 3.10.4 custom wid...	10/04/2020 13:31	Atalho	3 KB
SAGA GIS (2.3.2)	10/04/2020 13:31	Atalho	3 KB
Setup	10/04/2020 13:31	Atalho	3 KB

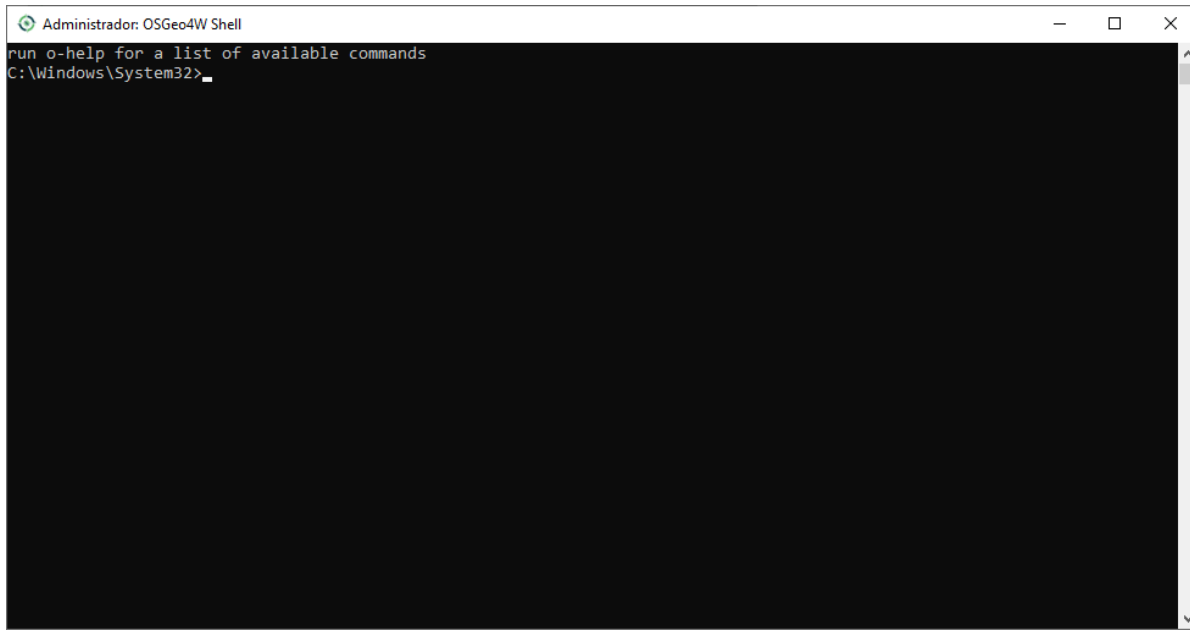


- Acesso rápido
- Área de Trabalho
- Downloads
- Documentos
- Imagens
- OneDrive
- Este Computador
- Rede

Nome	Data de modificação	Tipo	Tamanho
GRASS GIS 7.8.2	10/04/2020 13:27	Atalho	2 KB
OSGeo4W Shell	10/04/2020 13:31	Atalho	2 KB
QGIS Desktop		Atalho	2 KB
QGIS Desktop		Atalho	2 KB
Qt Designer wi		Atalho	3 KB
SAGA GIS (2.3.		Atalho	3 KB
Setup		Atalho	3 KB

- Abrir**
- Abrir local do arquivo
- Editar
- Imprimir
- Executar como administrador
- 7-Zip >
- CRC SHA >
- Verificar com o Windows Defender...
- Restaurar versões anteriores
- Enviar para >
- Recortar
- Copiar
- Criar atalho
- Excluir
- Renomear
- Propriedades

7 itens | 1 item selecionado 1,70 KB



```
Administrador: OSGeo4W Shell
run o-help for a list of available commands
C:\Windows\System32>
```

**Abre OsGeo Shell:**

**Digite: “py3\_env.bat” <Enter>**

**Depois digite: “pip install scikit-learn” <Enter>**

```
C:\Windows\System32>SET PYTHONHOME=C:\PROGRA~1\QGIS3~1.10\apps\Python37
```

```
C:\Windows\System32>SET PYTHONPATH=C:\PROGRA~1\QGIS3~1.10\apps\Python37;C:\PROGRA~1\QGIS3~1.10\apps\Python37\Scripts
```

```
C:\Windows\System32>PATH C:\PROGRA~1\QGIS3~1.10\apps\Python37;C:\PROGRA~1\QGIS3~1.10\apps\Python37\Scripts;C:\PROGRA~1\QGIS3~1.10\bin;C:\Windows\system32;C:\Windows;C:\Windows\system32\WBem
```

```
C:\Windows\System32>python3 -m pip install scikit-learn -U -user
```

```
Usage:
  C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] <requirement specifier> [package-index-options] ...
  C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] -r <requirements file> [package-index-options] ...
  C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] [-e] <vcs project url> ...
  C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] [-e] <local project path> ...
  C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] <archive url/path> ...
```

```
no such option: -u
```

```
C:\Windows\System32>pip install scikit-learn
```

```
Collecting scikit-learn
```

```
  Downloading scikit_learn-0.22.2.post1-cp37-cp37m-win_amd64.whl (6.5 MB)
```

```
  |████████████████████████████████████████| 6.5 MB 1.6 MB/s
```

```
Collecting joblib>=0.11
```

```
  Downloading joblib-0.14.1-py2.py3-none-any.whl (294 kB)
```

```
  |████████████████████████████████████████| 294 kB 2.2 MB/s
```

```
Requirement already satisfied: numpy>=1.11.0 in c:\progra~1\qgis3~1.10\apps\python37\lib\site-packages (from scikit-learn) (1.18.1)
```

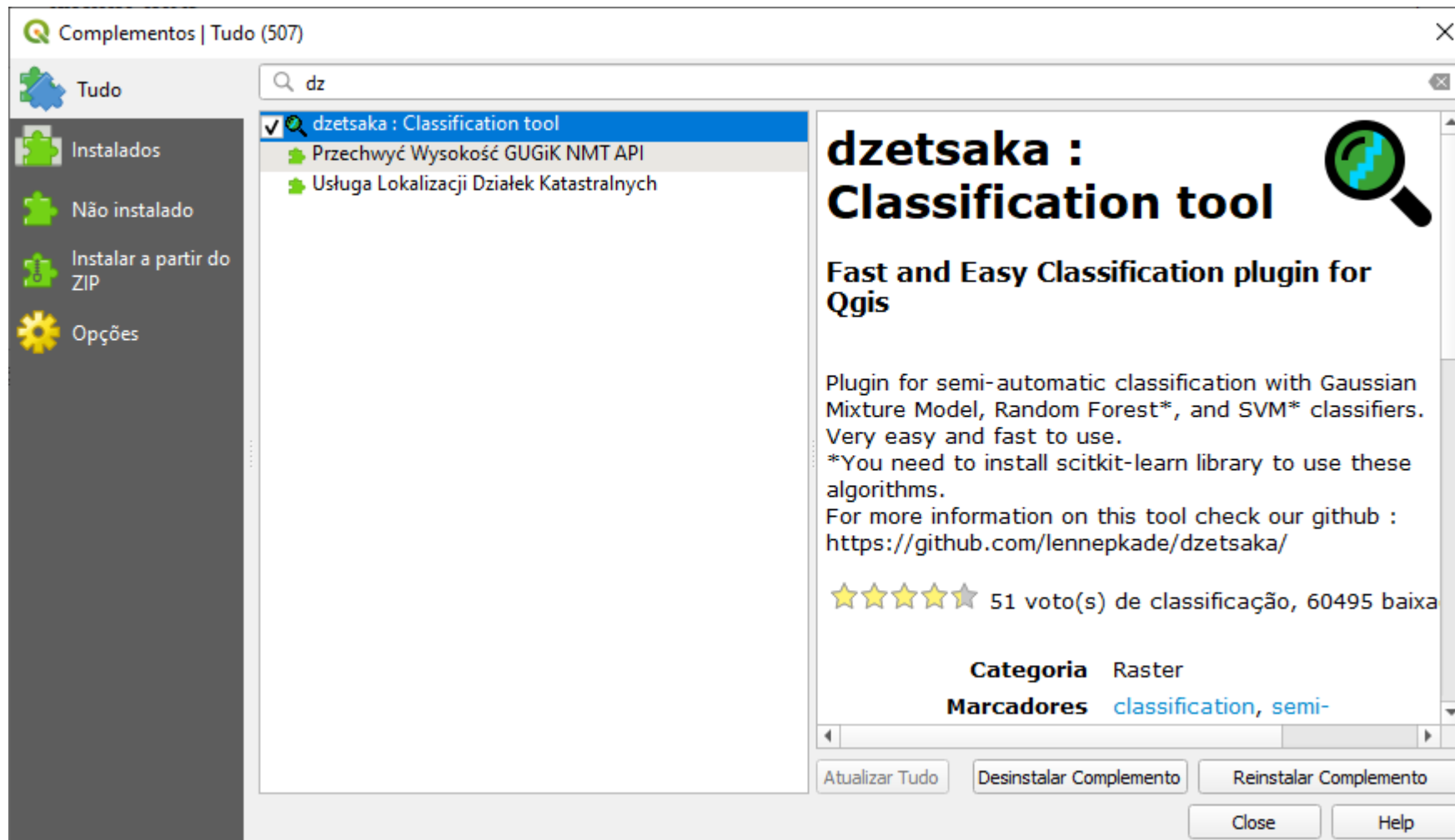
```
Requirement already satisfied: scipy>=0.17.0 in c:\progra~1\qgis3~1.10\apps\python37\lib\site-packages (from scikit-learn) (1.4.1)
```

```
Installing collected packages: joblib, scikit-learn
```

```
Successfully installed joblib-0.14.1 scikit-learn-0.22.2.post1
```

```
C:\Windows\System32>
```

O plugin “dzetsaka” é só instalar normalmente no Menu do QGis “Complementos”





The image shows the QGIS software interface. At the top, the title bar reads "Projeto sem titulo - QGIS". The menu bar includes "Projeto", "Editar", "Exibir", "Camada", "Configurações", "Complementos", "Vetor", "Raster", "Banco de dados", "Web", "Malha", "Processar", and "Ajuda". The toolbar contains various icons for file operations, navigation, and processing. The main canvas displays a "Novidades" (News) section with a "LTR usage survey" announcement. On the left, the "Camadas" (Layers) panel is empty. Below it, the "dzetsaka : classification tool" is visible, featuring a landscape image and a "Perform the classification" button. A black arrow points to a gear icon (settings) next to the button. Two floating windows titled "dzetsaka : settings panel" are open. The left settings panel shows a dropdown menu for "Classifier" with "Random Forest" selected. The right settings panel shows the "Classifier" set to "Random Forest" and other parameters like "Temp suffix" (\_class), "Mask suffix" (\_mask), and "Providers" (Standard). The bottom status bar shows "Coordenada", "Escala 1:29854291", "Lupa 100%", "Rotação 0,0 °", "Renderizar", and "EPSG:4326".

Dúvidas: Jefferson L. Polizel ([jlpolize@usp.br](mailto:jlpolize@usp.br))