



RÉPUBLIQUE  
FRANÇAISE

*Liberté  
Égalité  
Fraternité*



Geosciences pour une Terre durable

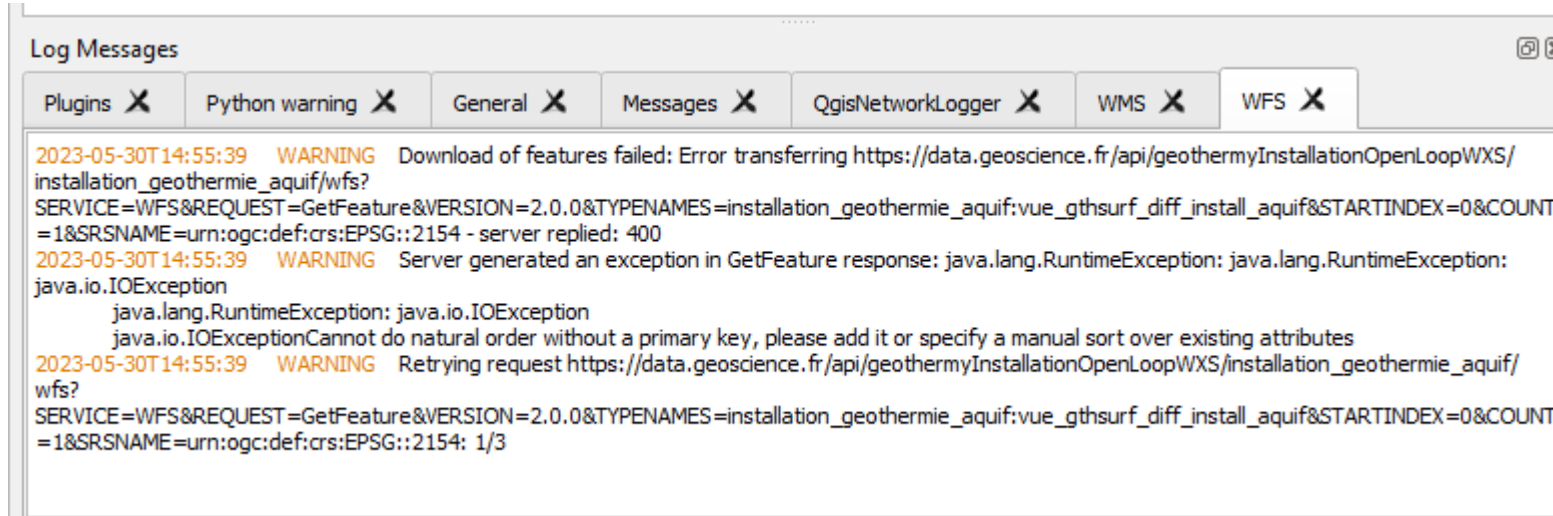
**brgm**

# LECTURE DES SERVICES WFS QGIS



# Problème d'affichage des services WFS

La couche ne s'affiche pas dans QGIS;  
Un message d'erreur peut apparaître :

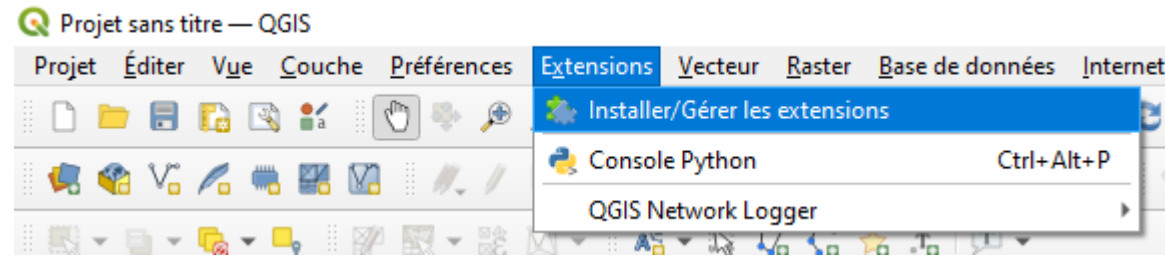


```
Log Messages
-----
Plugins X Python warning X General X Messages X QgisNetworkLogger X WMS X WFS X

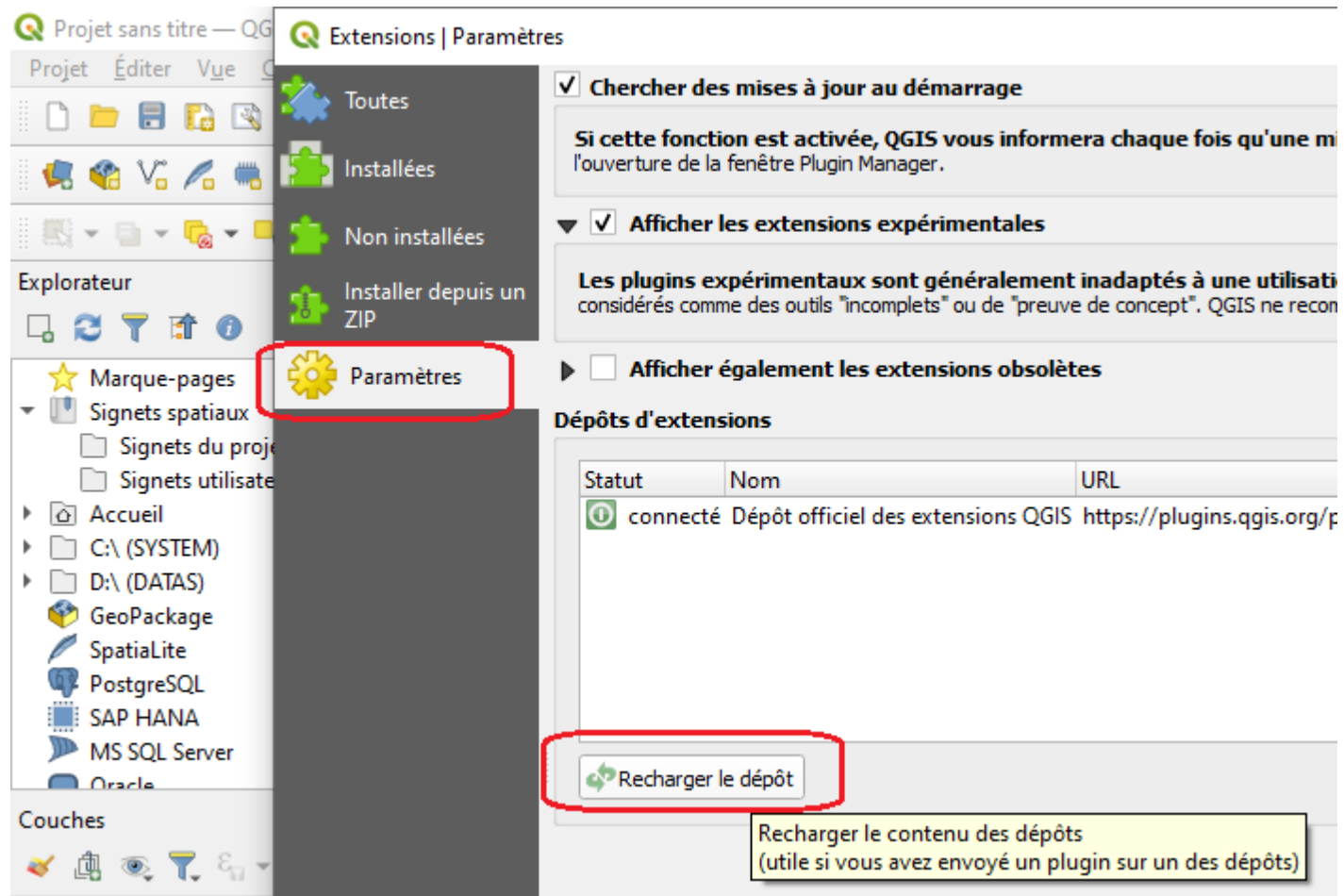
2023-05-30T14:55:39 WARNING Download of features failed: Error transferring https://data.geoscience.fr/api/geothermyInstallationOpenLoopWXS/
installation_geothermie_aquif/wfs?
SERVICE=WFS&REQUEST=GetFeature&VERSION=2.0.0&TYPENAMES=installation_geothermie_aquif:vue_gthsurf_diff_install_aquif&STARTINDEX=0&COUNT
=1&SRSNAME=urn:ogc:def:crs:EPSG::2154 - server replied: 400
2023-05-30T14:55:39 WARNING Server generated an exception in GetFeature response: java.lang.RuntimeException: java.lang.RuntimeException:
java.io.IOException
    java.lang.RuntimeException: java.io.IOException
    java.io.IOExceptionCannot do natural order without a primary key, please add it or specify a manual sort over existing attributes
2023-05-30T14:55:39 WARNING Retrying request https://data.geoscience.fr/api/geothermyInstallationOpenLoopWXS/installation_geothermie_aquif/
wfs?
SERVICE=WFS&REQUEST=GetFeature&VERSION=2.0.0&TYPENAMES=installation_geothermie_aquif:vue_gthsurf_diff_install_aquif&STARTINDEX=0&COUNT
=1&SRSNAME=urn:ogc:def:crs:EPSG::2154: 1/3
```

# Solution : utiliser l'extension WFS 2.0 Client

Installer l'extension WFS 2.0 Client.

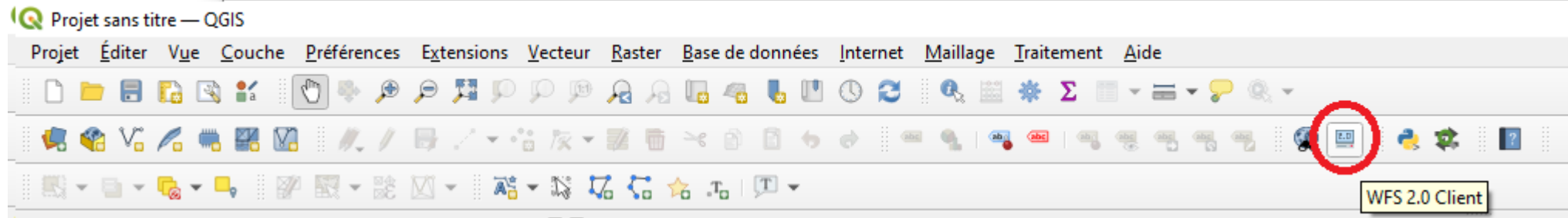


Si le plugin WFS 2.0 Client n'apparaît pas dans la liste des plugins disponibles , il peut être nécessaire de rafraichir le dépôt de plugin QGIS



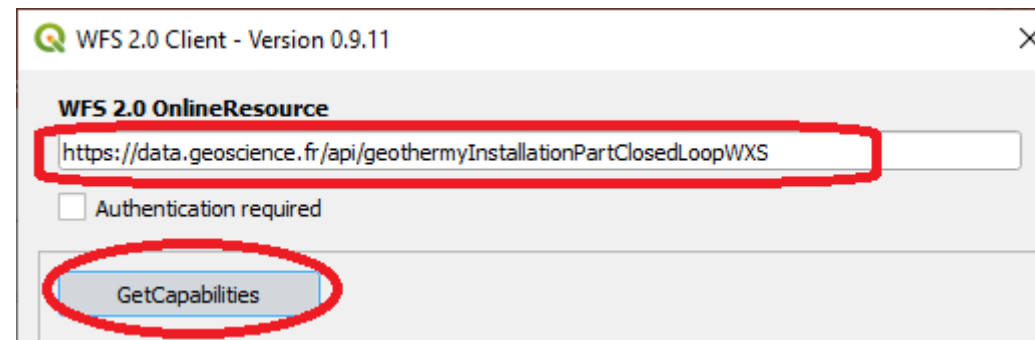
# Solution : utiliser l'extension WFS 2.0 Client

L'icone du plugin installé apparait ensuite dans la barre d'outil QGIS



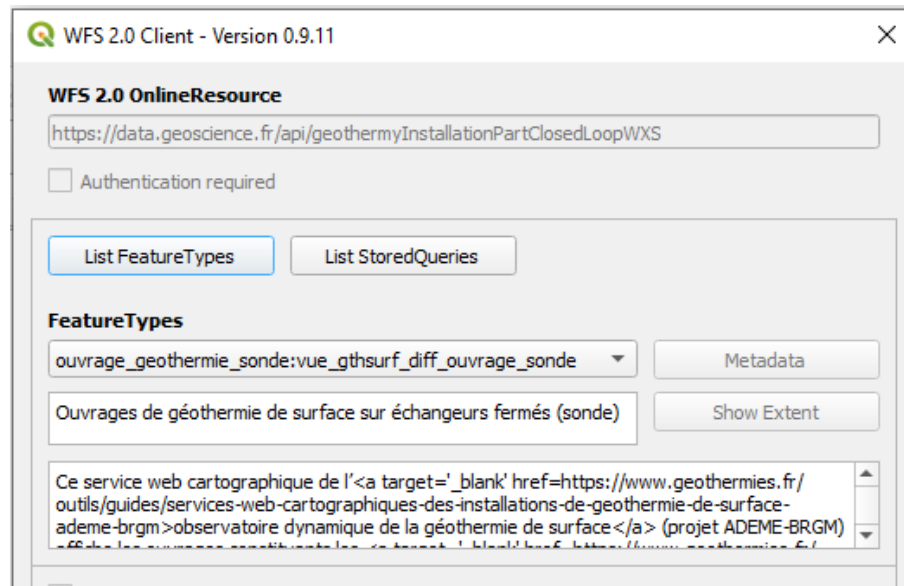
Ouvrir la fenêtre du plugin et saisir l'URL du service  
(ex : <https://data.geoscience.fr/api/geothermyInstallationPartClosedLoopWXS> )

Cliquer sur GetCapabilities



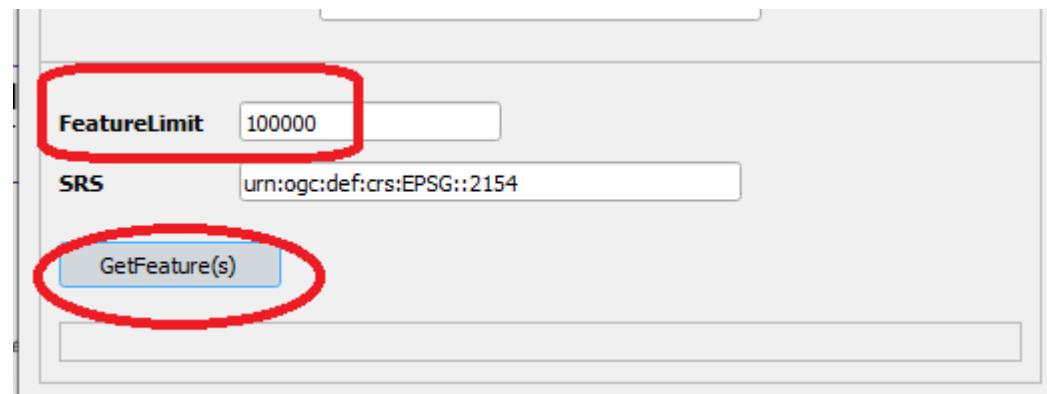
# Solution : utiliser l'extension WFS 2.0 Client

Le service est chargé



Définir le nombre d'entités  
*Augmenter la valeur si la limite est atteinte*

Cliquer sur GetFeature(s)



# Solution : utiliser l'extension WFS 2.0 Client

Les données du WFS s'affichent correctement dans l'interface graphique QGIS

The screenshot displays the QGIS interface with the WFS 2.0 Client dialog box open. The dialog box is titled "WFS 2.0 Client - Version 0.9.11" and contains the following fields and controls:

- WFS 2.0 OnlineResource:** `https://data.geoscience.fr/api/geothermyInstallationPartClosedLoopWXS`
- Authentication required
- Buttons: List FeatureTypes, List StoredQueries
- FeatureTypes:** `ouvrage_geothermie_sonde:vue_gthsurf_diff_ouvrage_sonde` (selected), Metadata, Show Extent
- Text description: "Ce service web cartographique de l'observatoire dynamique de la géothermie de surface (projet ADEME-BRGM)..."
- Use current Extent as Bounding Box Filter
- FeatureLimit: 100000
- SRS: urn:ogc:def:crs:EPSG::2154
- Buttons: GetFeature(s), 100%

The background shows the QGIS map canvas displaying a map of France with numerous green circular markers representing geothermal data points. The status bar at the bottom shows a log entry:

```
2023-05-31T09:35:31 INFO https://data.geoscience.fr/api/geothermyInstallationPartClosedLoopWXS/ouvrage_geothermie_sonde/wfs?service=WFS&request=GetFeature&version=2.0.0&srsName=urn:ogc:def:crs:EPSG::2154&typeName=ouvrage_geothermie_sonde%3Avue_gthsurf_diff_ouvrage_sonde&namespaces=xmlns(ouvrage_geothermie_sonde,https%3A%2F%2Fdata.geoscience.fr%2Foeuvre_sonde%2Fows%3F)&count=100000
```