

## WFS/WMS

### Climate Risk Database – QGIS

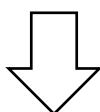
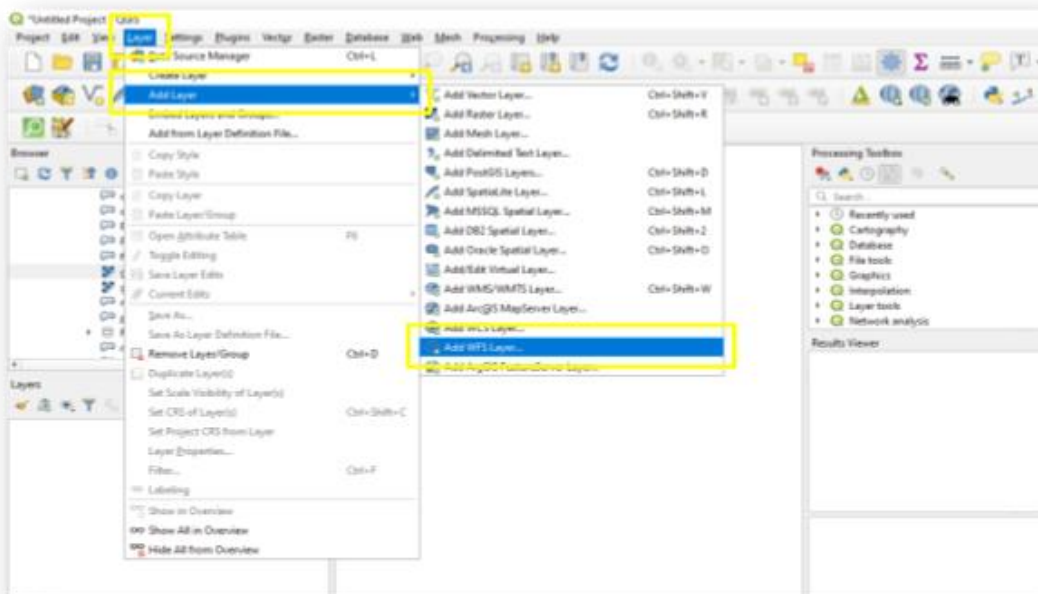
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Web Feature Service (WFS) and Web Map Service (WMS) allows you to open CRD layers directly in QGIS, without downloading individual layers through the web browser. Using WFS/WMS is easy and quick, and suits best for purposes when multiple different layers needs to be examined at the same time.

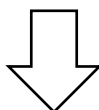
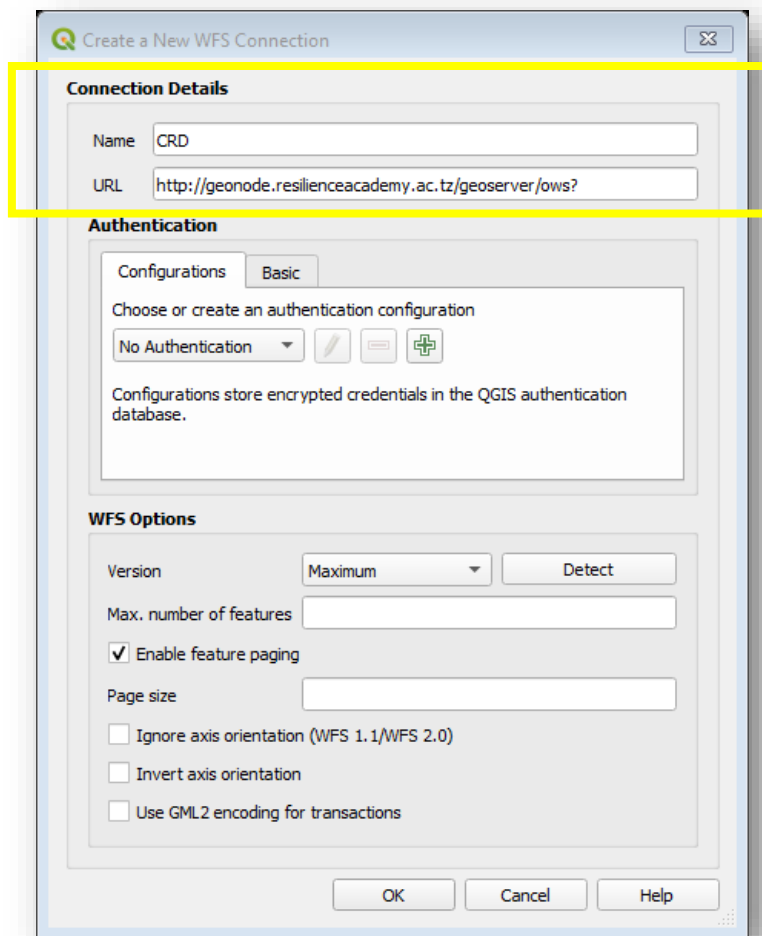
- **WFS: Vector layers, all analysis is possible.**
- **WMS: Raster and vector layers, only for viewing. Good for e.g. background maps.**

#### Instruction for WFS:

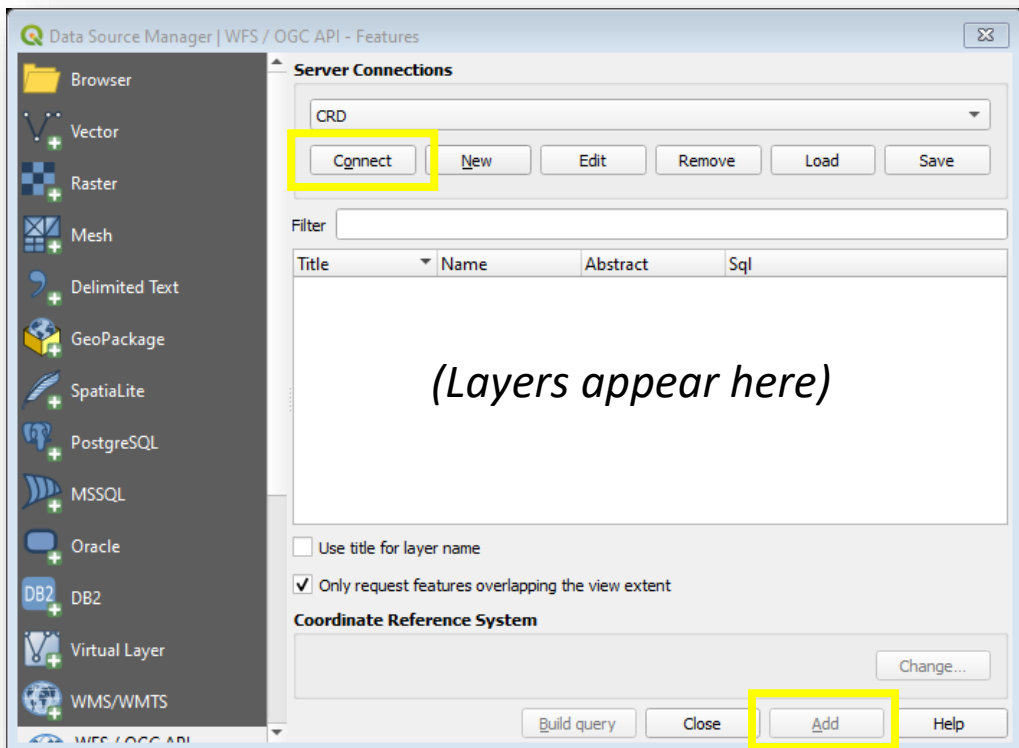
1. Open QGIS
2. Add WFS layers by navigating to **Layer → Add layer → Add WFS Layer...**



3. Configuration window opens
4. To make the connection, come up with a name (it can be anything) and set the URL:
  - **Name:** CRD
  - **URL:** <http://geonode.resilienceacademy.ac.tz/geoserver/ows?>
5. Click **OK**



- Now, you have returned to the previous window. Click **Connect** to make the connection to Climate Risk Database
- After connecting, list of all CRD's vector layers appears to the window. Now you are free to choose any of them and add to your QGIS canvas (**by selecting a layer and clicking Add**)



***Done! Enjoy working with CRD data!***

### Instruction for WMS:

Opening CRD layers with WMS connection is similar to WFS. Only difference is the navigation to the configuration window.

1. Add WMS layers by navigating to **Layer → Add layer → Add WFS Layer...**
2. **New**
3. Connection details
  1. Name: CRD WMS
  2. URL: <http://geonode.resilienceacademy.ac.tz/geoserver/ows?>
4. **Ok**
5. **Connect**
6. Layers appear to the window. Select those you'd like to examine more closely and add them to your QGIS canvas.

