

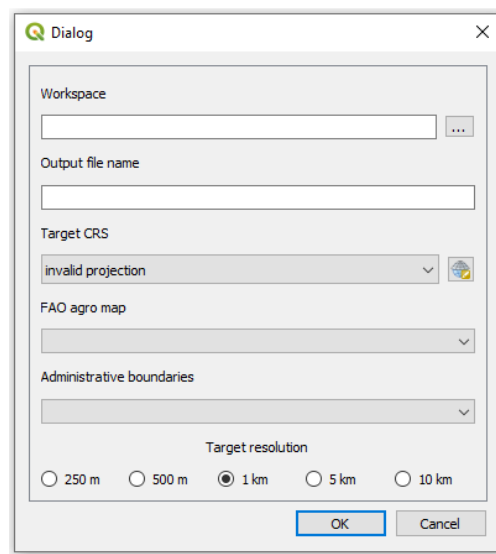
Run the Creating Base Grid plugin

Before opening the plugin, make sure that the necessary files are loaded into your current **QGIS session**. You will need the datasets for the plugin to function correctly:

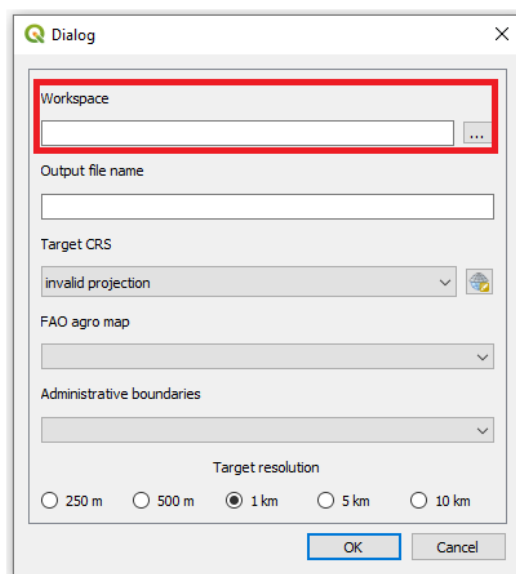
1. **Admin boundaries:** Vector polygon indicating administrative boundaries for the area of interest
2. **Admin level crop layer:** Vector polygon indicating the following characteristics per admin area (in this case level 2):

In order to use the plugin:

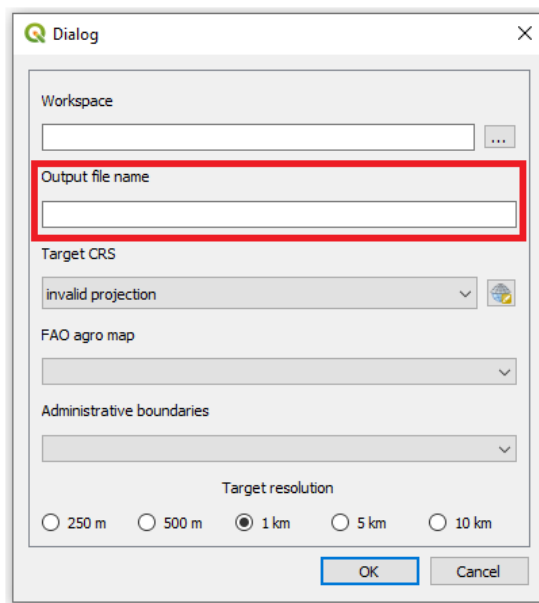
1. Open the plugin from the **Plugin** menu. The name of the plugin when installed will be Agrodem – Creating Base Grid. The following window will open up.



2. In the field named **Workspace**, click on the three dots on the right hand side of the field and navigate to an empty folder.

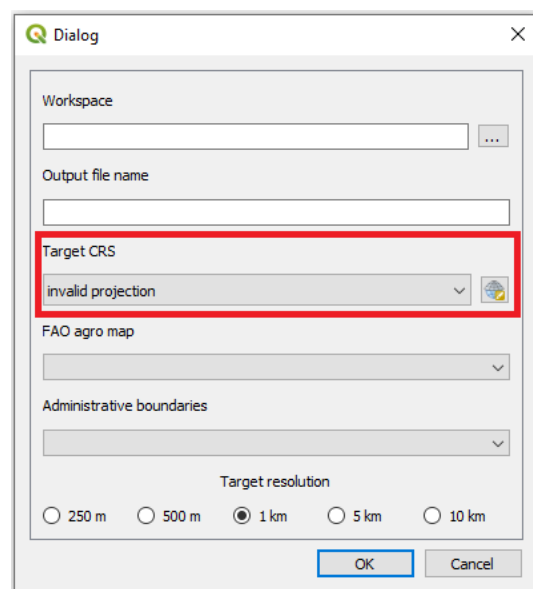


3. Enter the name of the **output file** name in the next box.



The screenshot shows a 'Dialog' window with several input fields. The 'Output file name' field is highlighted with a red rectangle. Below it, the 'Target CRS' dropdown menu is set to 'invalid projection'. Other fields include 'Workspace', 'FAO agro map', 'Administrative boundaries', and 'Target resolution' with radio buttons for 250 m, 500 m, 1 km (selected), 5 km, and 10 km. 'OK' and 'Cancel' buttons are at the bottom right.

4. Next chose the **projection system**. Make sure that the projection system is in a linear unit and that this linear unit is meters.

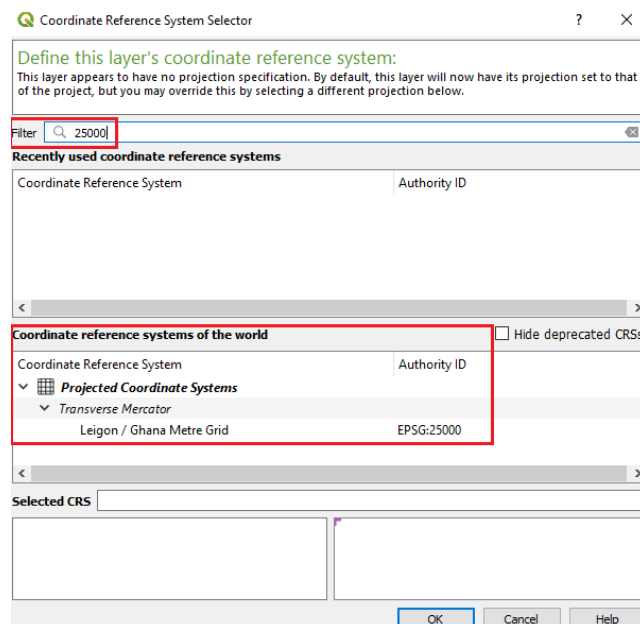


The screenshot shows the same 'Dialog' window as before. The 'Target CRS' dropdown menu is now highlighted with a red rectangle. The text 'invalid projection' is visible in the dropdown. The other fields and buttons remain the same.

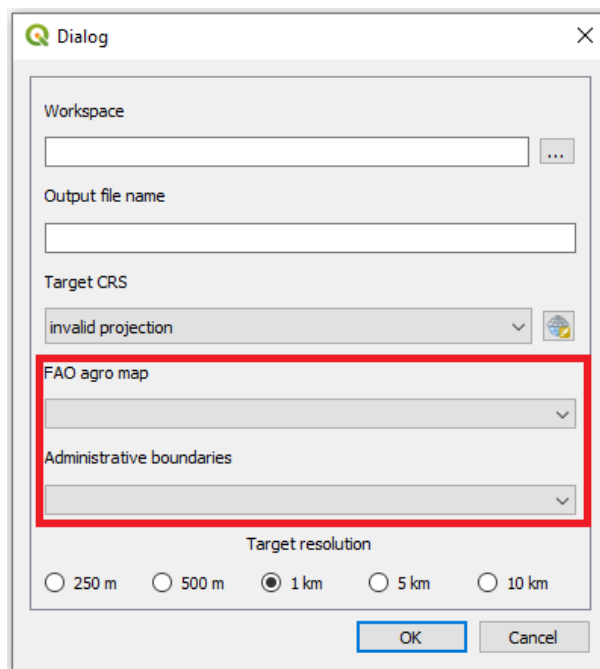
NOTE! To find the coordinate system that is appropriate for your study area please visit <http://epsg.io/> and search for your area of interest.



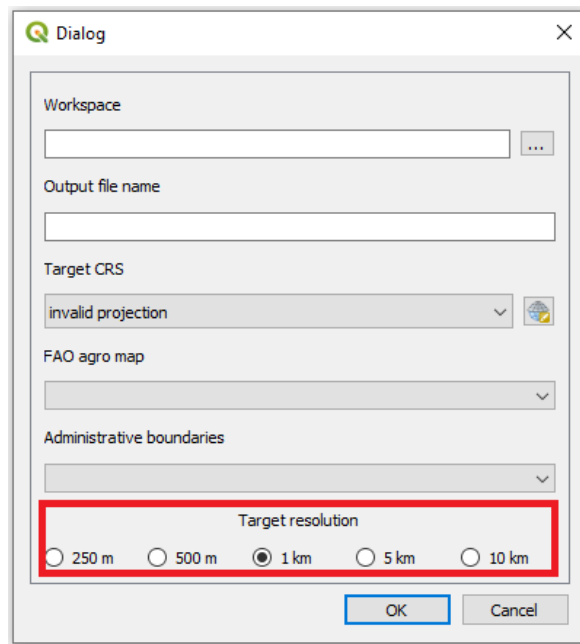
Next, click on the icon next to the field and check the EPSG code received from the webpage. Choose one where the unit is in meters and the red box covers the whole area you are working with.



5. In the next **two boxes**, select the appropriate datasets.



6. Select the desired **output resolution**, the higher the resolution the longer it takes to run.



7. Plugin may take some time to run depending on the size of the study area. During this time, QGIS cannot be used. For the example a .csv file with 60,000 rows takes approximately 15 minutes to prepare