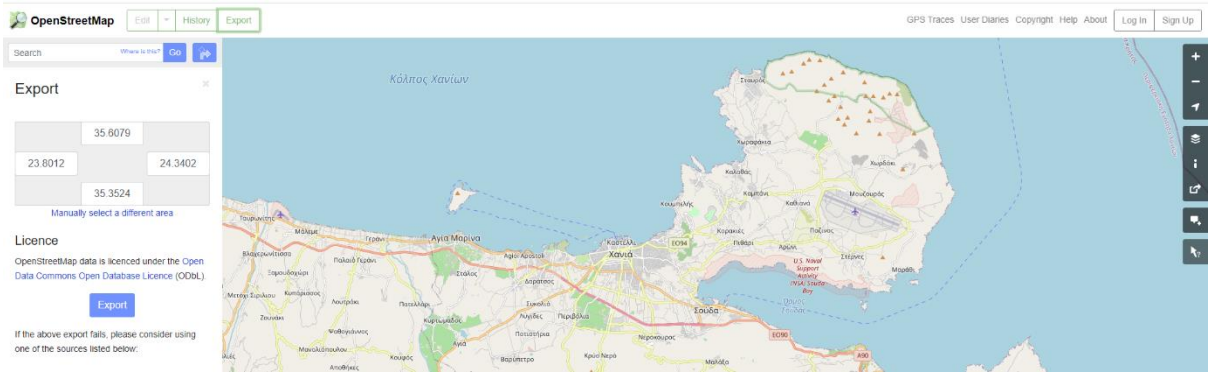
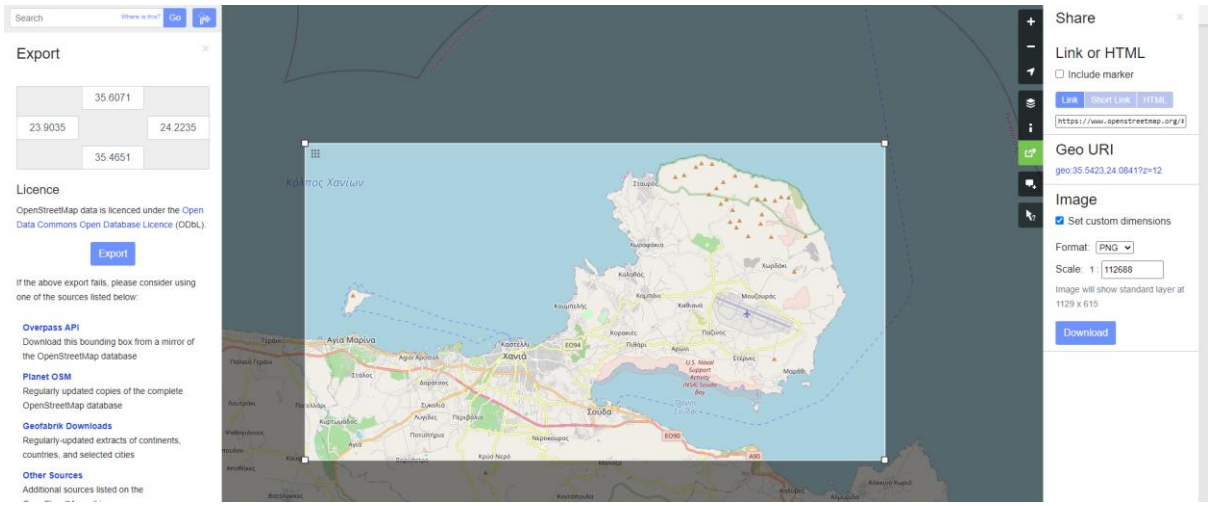
PERSEC Application User Guide

Before opening the application you will need to head to http://openstreetmap.org and fetch a map which you have been operating in, if this is from someone else ensure that you are in the correct area.



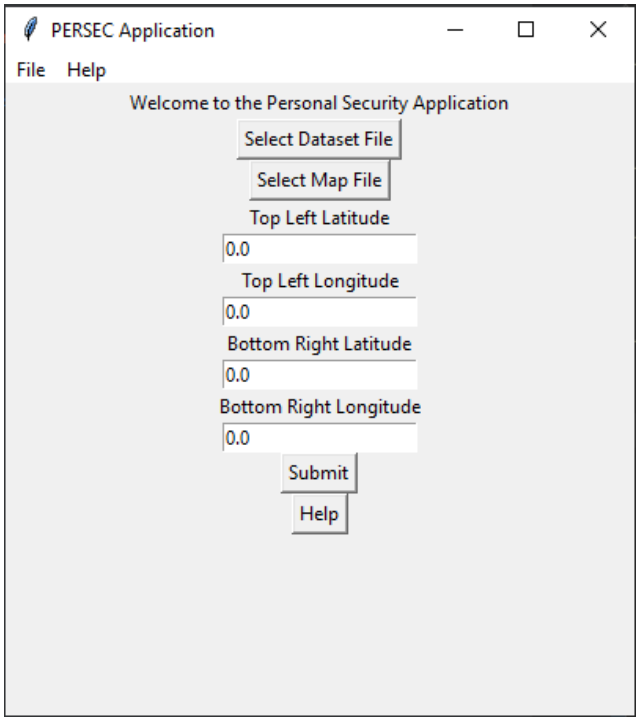
Then you will click the 'Export' tab at the top of the screen, it will come up with coordinates. The top and bottom at the Latitude coordinates and the left to right are Longitude coordinates. These will change value if you click manually select a different area, as you will have a moveable box.



Next you will need to click the share icon (highlighted in green) and tick the set custom dimensions box. This will bring up another box, you will need to match this to the original box that appears otherwise the coordinates will not match and the plotting will be off. Note the coordinates down as you will be inputting them into the program.

Press download and save the image file where you will be able to access it.

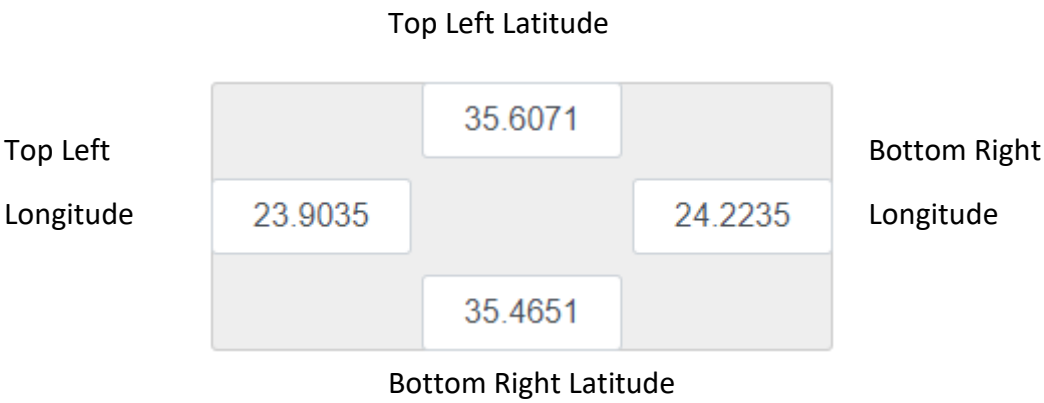
Next open the application up, you will be greeted with the Graphical User Interface:

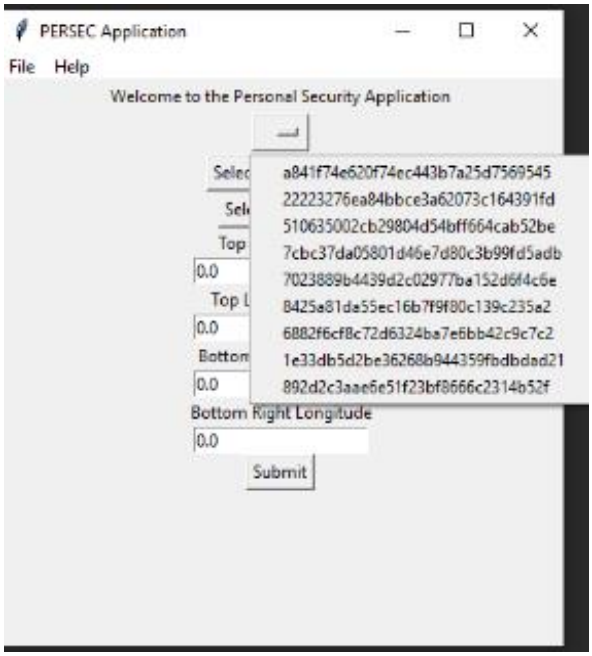


Click on ‘Select Dataset File’ and navigate to where your dataset is through the explorer window that will open.

Repeat this step for the ‘Select Map File’ and navigate to where you saved the map image from Open Street Maps.

Next you will need to input the coordinates that you noted down:





Depending on what iPhone you wish to plot the data from, you will need to click on the dropdown bar and assign a value.

The program will then plot out the data for that individual phone.

Once all the information is input, press submit, and the program will start to plot the coordinates from the dataset into the image.

You will find the visualised map in the file which is in the same file as the program.

Note:

2 errors will appear, these are not errors which stop the program from working, it appears once the x and y coordinates have ran out.

The program may freeze and take a few seconds to plot, this is normal.