

Tablet Point Address collection with QGIS

Objectives of the project

Collect addresses in an area determined by specific programs using a tablet.

Instructions

Collecting is done using two applications:

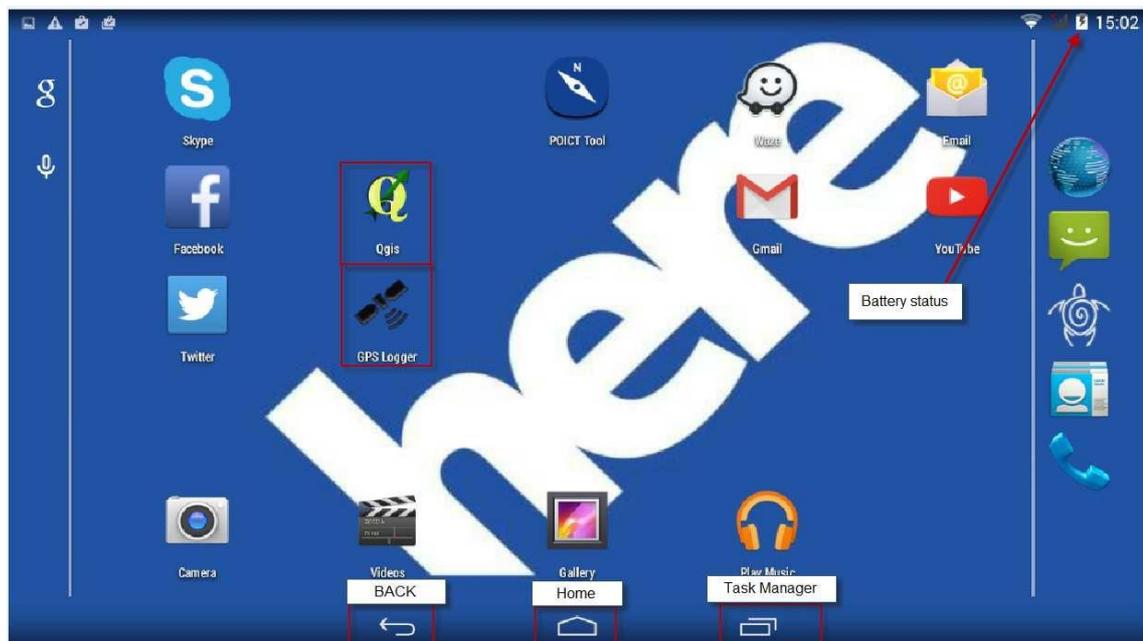


QGIS – The application used to record data

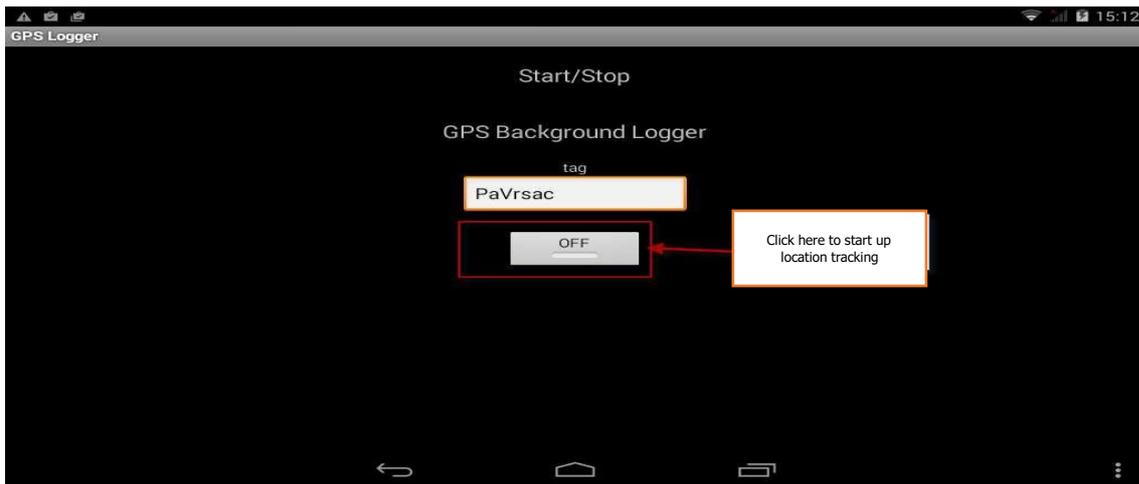


GPS Logger – The application is used to track the route traveled during data collection

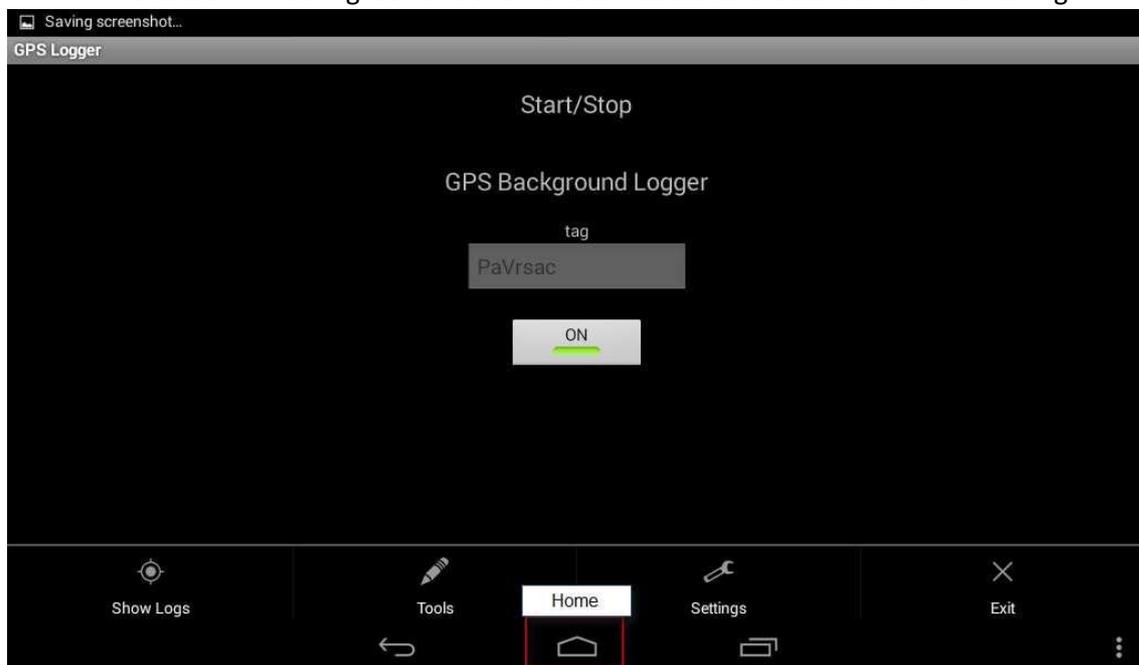
Home screen:



1. Open the GPS Logger application and start monitoring by pressing the icon (check the figure below)



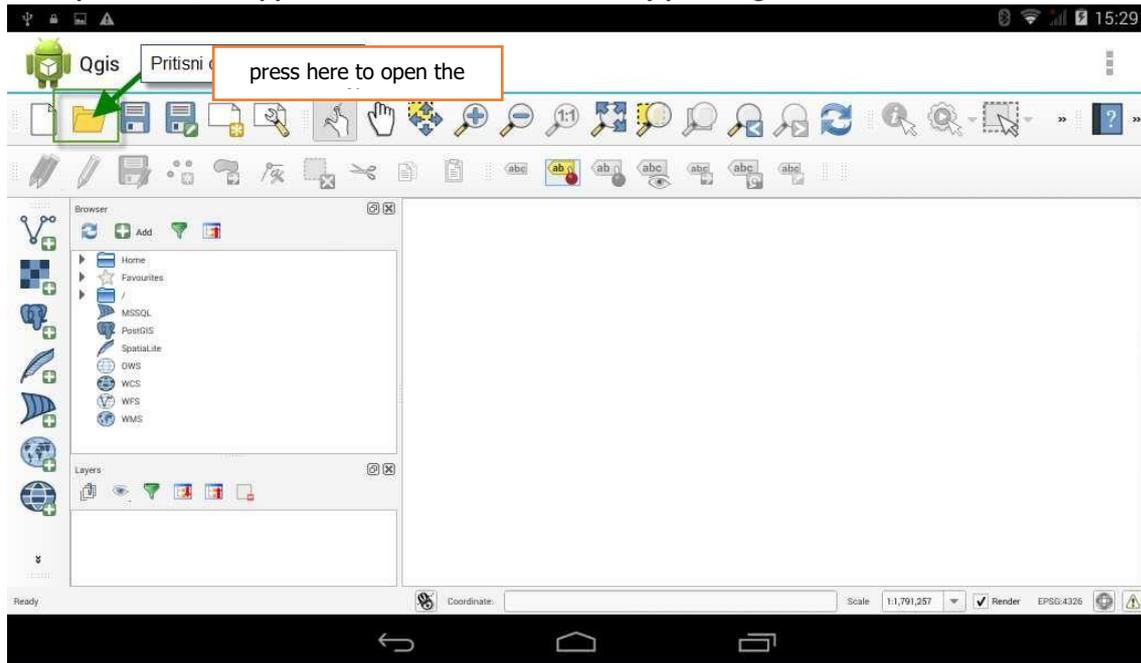
The button will turn green and show the ON status as the start of the monitoring.



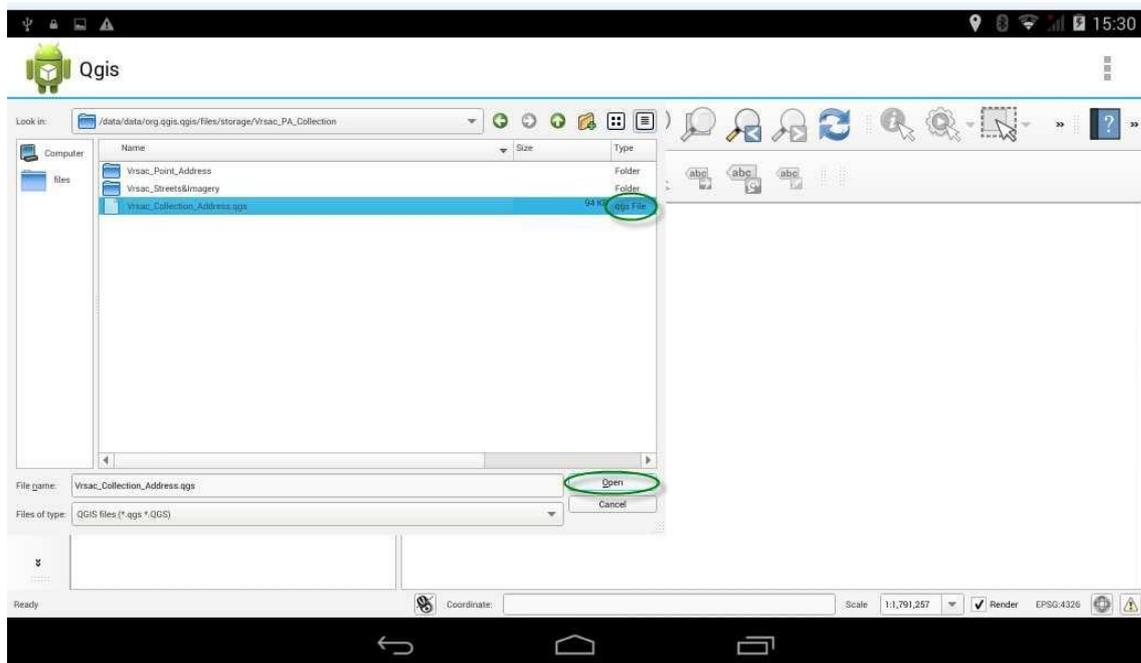
After you turn on monitoring, return to the main screen by pressing the HOME button.

*** The app must be turned on or off only when data collection starts or stops.**

2. Open the QGIS application on the main screen by pressing the OPEN button as shown



Press here to open and then select a file with the .qgs extension. Select the file name with the collection location and press OPEN as shown in the picture below



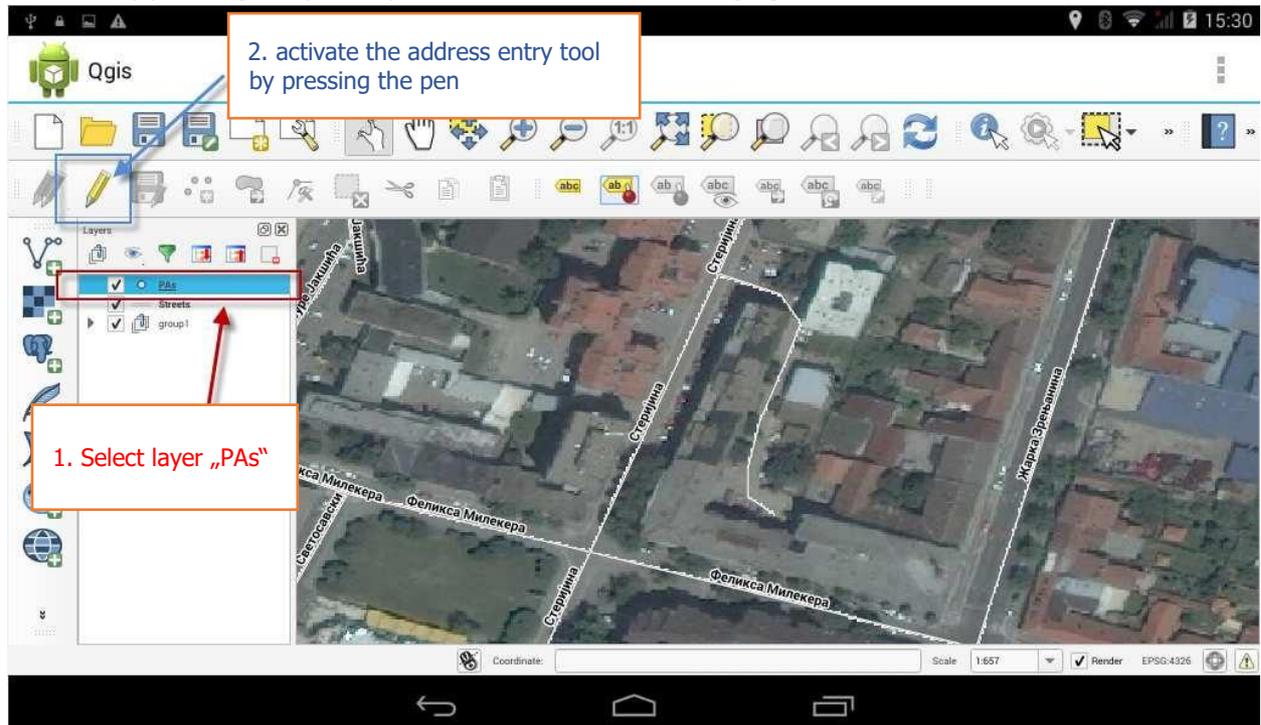
Open a file that contains three layers as listed below:

Addresses in the form of points - Layer "PAs"

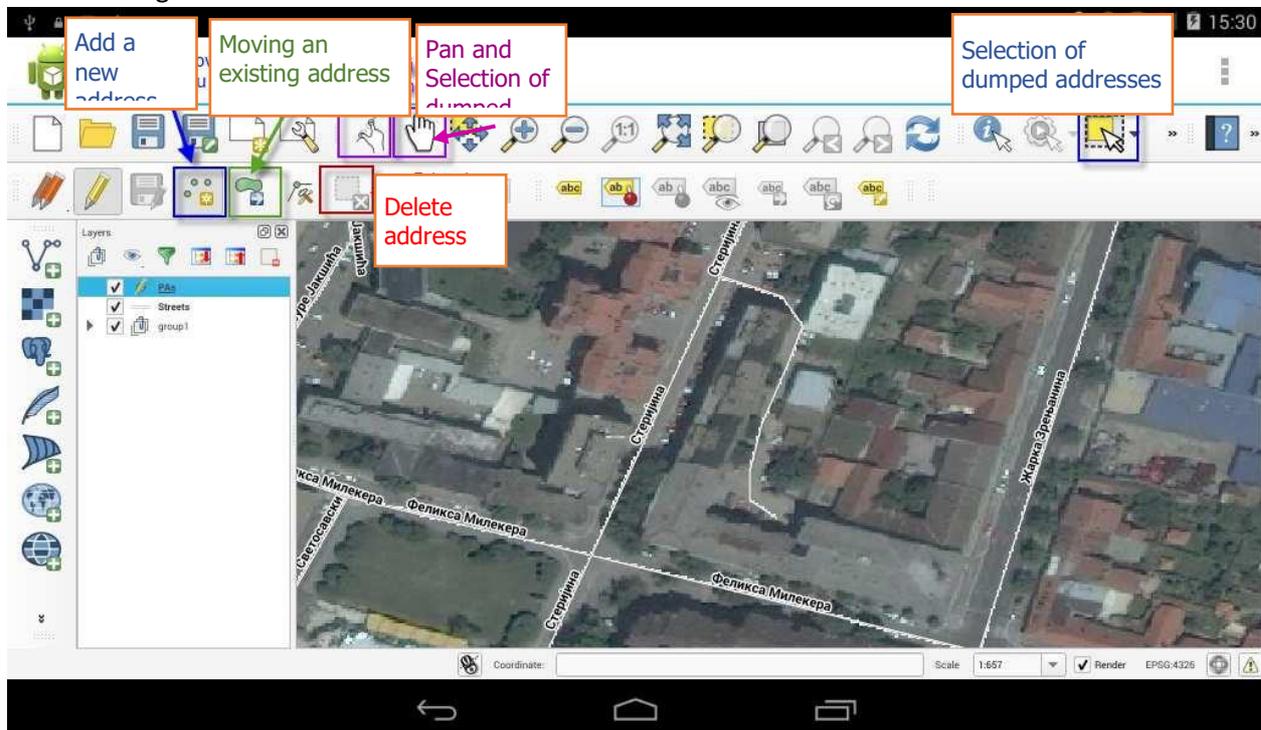
Streets - Layer "Streets"

Satellite Image - Layer "group1"

To enter new addresses, you must select the address layer (point symbol) and activate the editing function by pressing the yellow pen as shown in the following figure:



Several functions will be enabled to record and edit the addresses already entered. The following are the functions that will be used:



ADDING A NEW ADDRESS

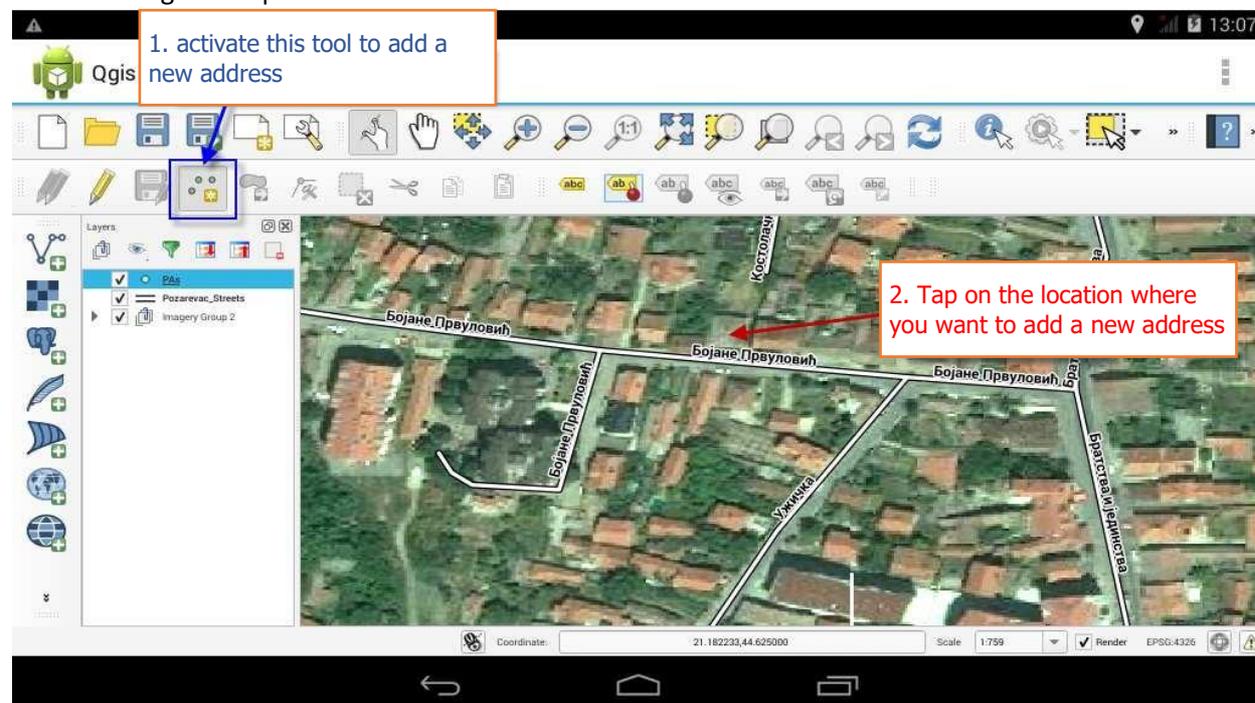
1. Activate the function to add new addresses
2. Select the location where you want to add the address - a window with two columns will appear
3. **PA** – Enter the address number - for example, the address numbers they contain, and these letters will
4. be uppercase-23A, 23 BIS; other formats: 23, 23/1, 23-24
5. **Street name** - enter the street name on the map, not what you see on the street plate.
6. **Note** - Check that the street name of the map corresponds to reality – **if the name corresponds does not need to be completed.**
 - If the street name actually does not match what is on the map, follow the correct name to the note (Ex 1 December 1918 Boulevard) After completing the input procedure, press DONE on the keyboard and the address will appear on the map as a point with the number entered next to it.

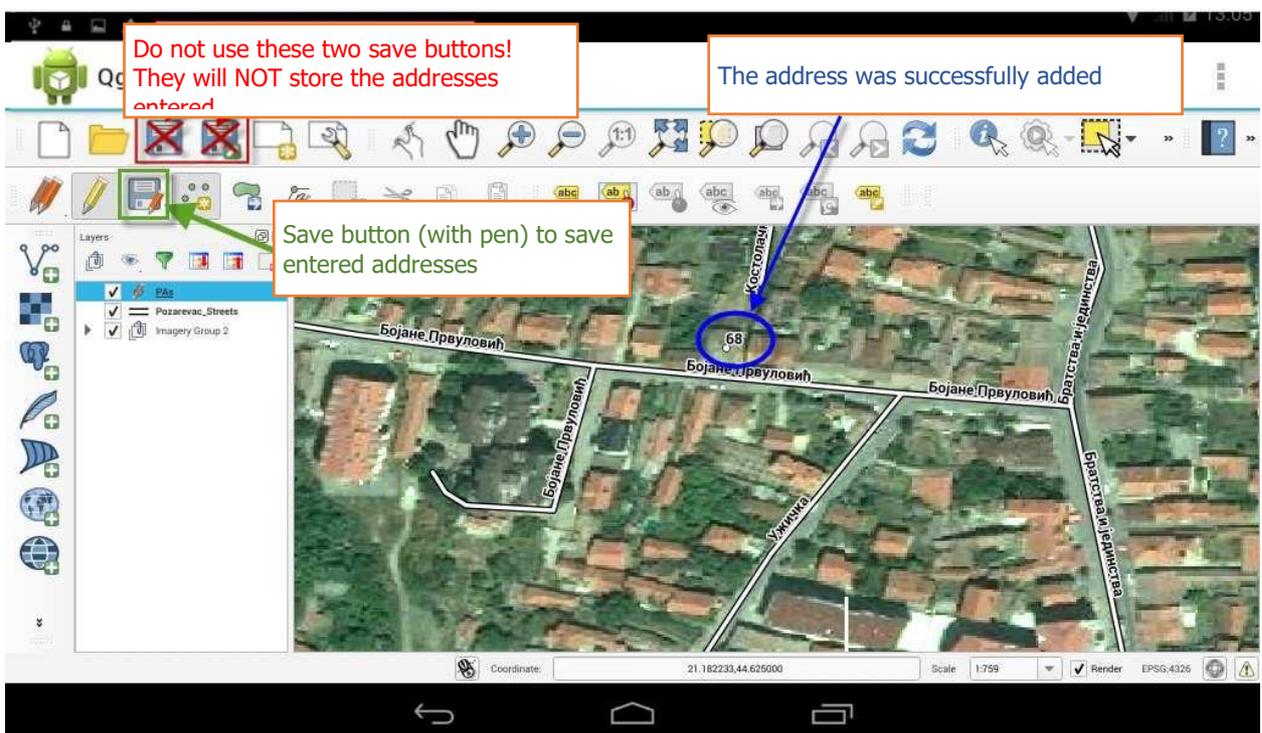
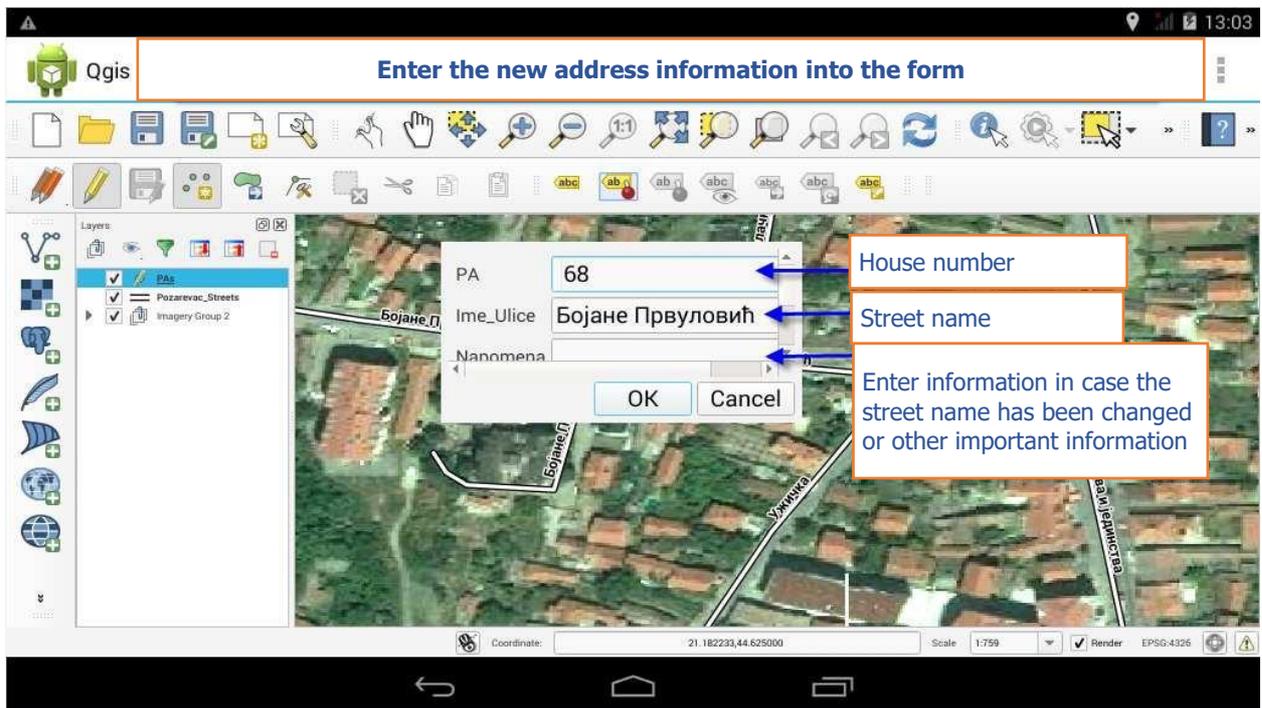
You can now enter the following address in the same way.

When entering the new address, the street name and note will update automatically, only the new number must be entered. When the street name is changed, it must be deleted and entered for the new street.

After entering a few addresses, you must press the **SAVE EDITS** button; save after three or four edits to avoid losing collected data.

The following is a sequence of actions needed to add a new address:



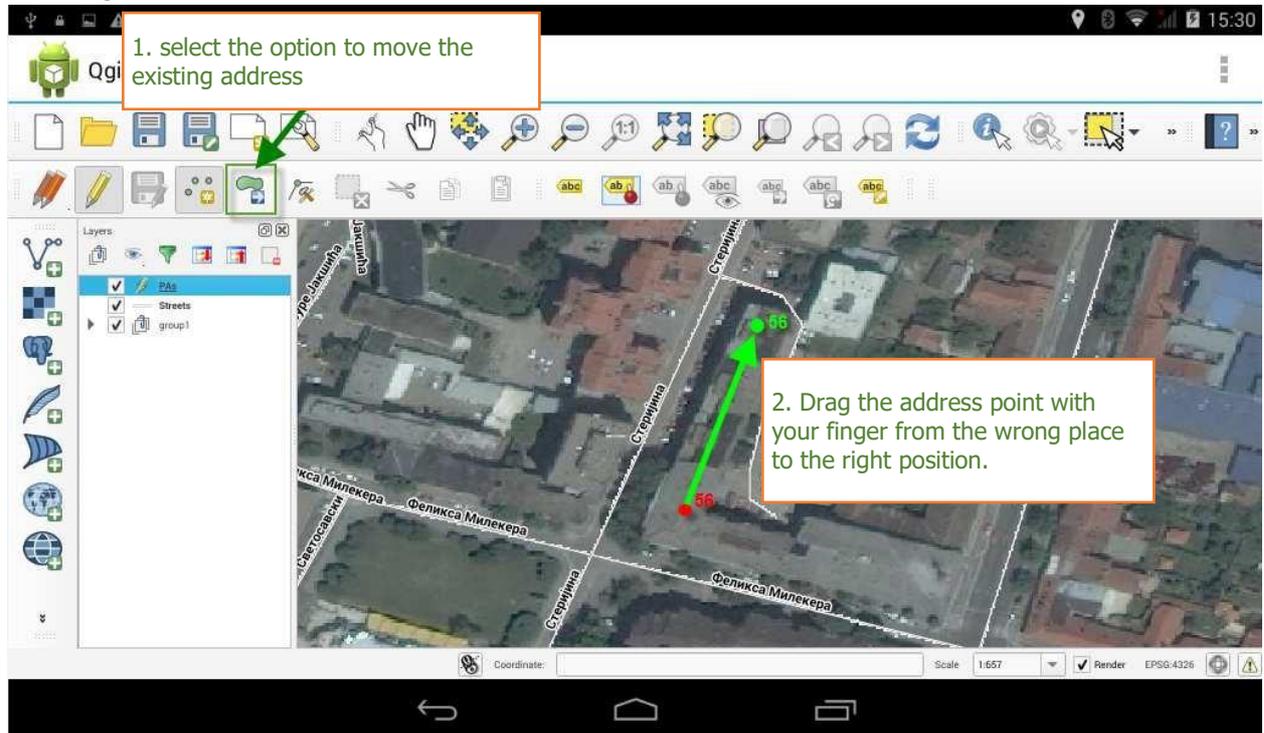


MOVE ALREADY REGISTERED ADDRESSES

If the address is wrong perform the move as follows:

1. Select the MOVE button
2. Swipe the wrong address
3. Ensure that the address is now positioned correctly.

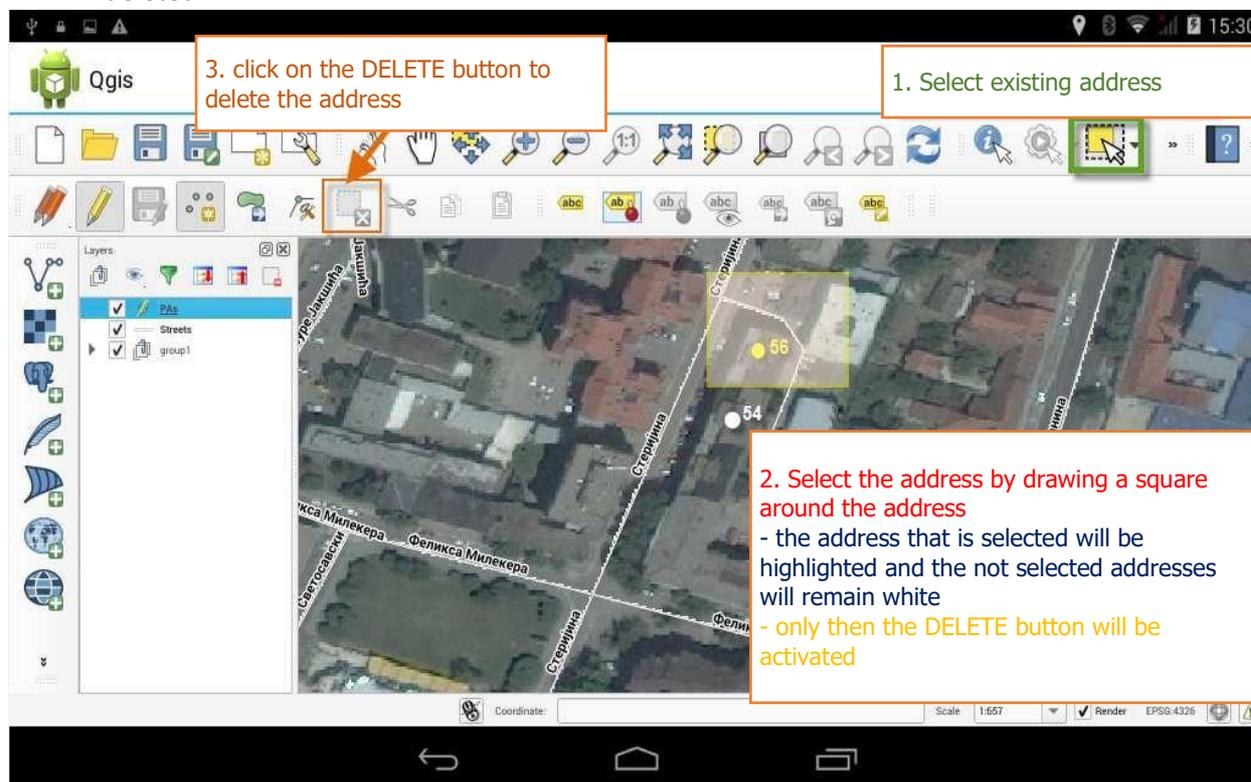
See image below:



DELETION OF INCORRECT ADDRESS

If you need to delete an incorrectly entered address:

1. Press the "Select Features" button - select the address you want to delete by drawing a box around it; Once selected, the address becomes yellow.
2. Then press the "DELETE" button as shown in the picture below and the address will be deleted.



FINAL STEPS

At the end of the collection, you must perform the following steps:

1. Turn off the GPS logger application.
2. In the Qgis application, you must press the edit icon (yellow pencil) to stop editing the collection layer.
3. Data saving is performed:
 - Connect your tablet to a computer (USB tablet mode needs to be selected if this option appears when the tablet is connected)
 - Open the main file on your tablet; copy the file with the collected addresses (e.g., Chisinau_PA_Collection) to your computer; copy and track the gps track generated by the GPSlogger application and save it with a generic name.

Saving data should be done at the end of each collection day. In this way, if there is a technical problem, we can restart from the last saved save.