

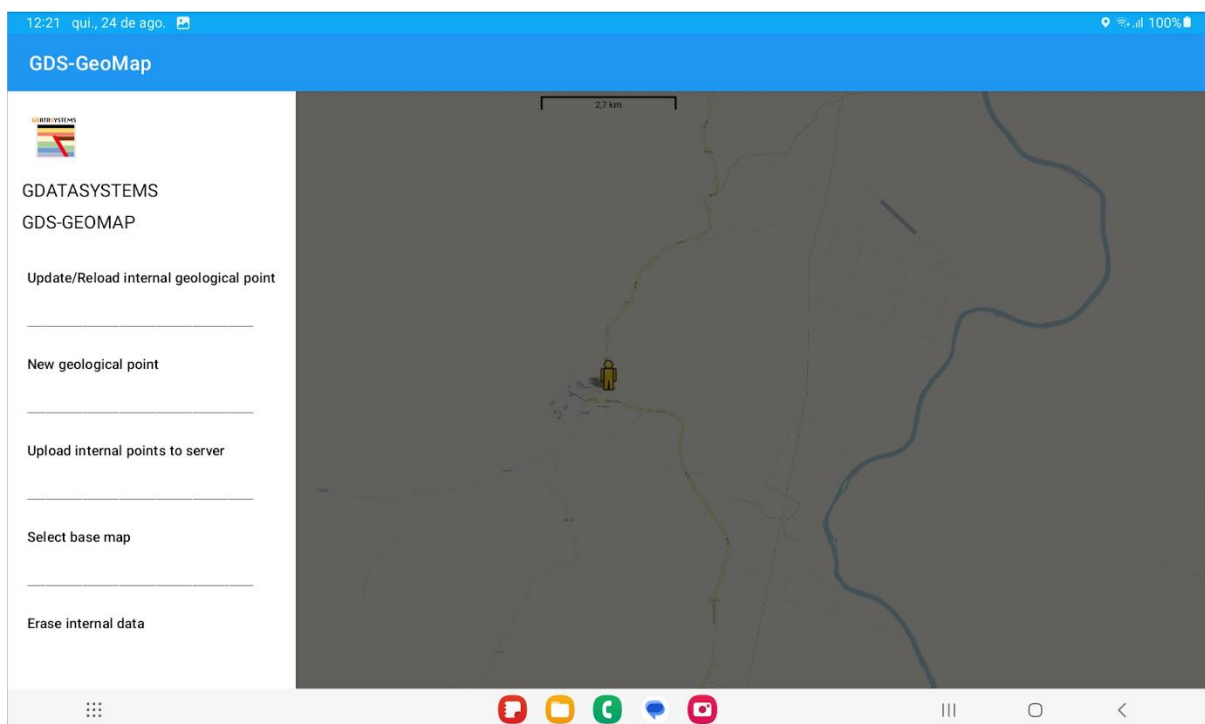
# GDS-GeoMap

Each app uses OSM map tiles OSM (Open Street Map). Each collection point is converted into a marker that, when clicked, pops-up a menu particular to each app type. The menu will display a particular form and the data from the form will be loaded internally into the tablet database (offline). The coordinates and elevation data are collected automatically by the tablet GPS. After returning from the field all the collected data can be uploaded to the main database located on a remote server using the available internet connection. The app also stores all the data internally using CSV file format as a backup. The system works exclusively using Latitude-Longitude on WGS-84 datum and all conversions are handled automatically by the app during the upload process adjusting them to the defined database datum (database SRID).

After installing the App from the Google Play Store on your tablet and loading the basemaps and AOI start it by clicking on the app icon.

A map screen will appear showing your current location as a yellow person or a white triangle.

The app menu is displayed by sliding your finger towards the screen centre at the tablet left border.



Selecting New geological point will bring the following form to be completed accordingly. The latitude, longitude and elevation values are extracted from the tablet GPS at the location when the menu item is pressed.

Fields in pink are mandatory to have a value where Geo point must be unique. The fields in salmon are optional. Fields in beige are selection fields.

12:21 qui., 24 de ago. 100%

### INSERT GEOPOINT

Geo Point:  Project:  Target:

Latitude:  Longitude:  Elevation:

Outcrop Type:  Date: 

31	dez.	1999
01	jan.	2000
02	fev.	2001

 Resp.:

Lithology:  Lithocode:  Physio.:

Description:

After filling the fields press insert sample and a brief “Success” message will appear. For each new geological point entered, a new marker will appear on the map screen.

Now, touch the point presented as a green marker to get the following dialog:

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### GDS-GeoMap

2,7 km

- Edit Geo Point
- Enter Rock Sample
- Enter Additional Data
- Edit Rock Sample
- Edit Additional Data

OK

Select Enter Rock Sample and Press OK. The following form will appear:

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**COLLECT ROCK SAMPLE ON p1**

Geo Point: p1 Sample: [Red] Smp Type: [Yellow] Outcrop: [Yellow]  
Duplicate: [Red] Blank: [Red] Standard: [Red] Resample: [Red]  
Lithology: [Yellow] Magnetism: [Yellow] Sampled: NO Resp.: \_\_\_\_\_  
Description:  
[Red]  
Observations:  
[Red]  
[Blue] COLLECT SAMPLE

[Icons]

Select Enter Additional Data and Press OK. The following form will appear:

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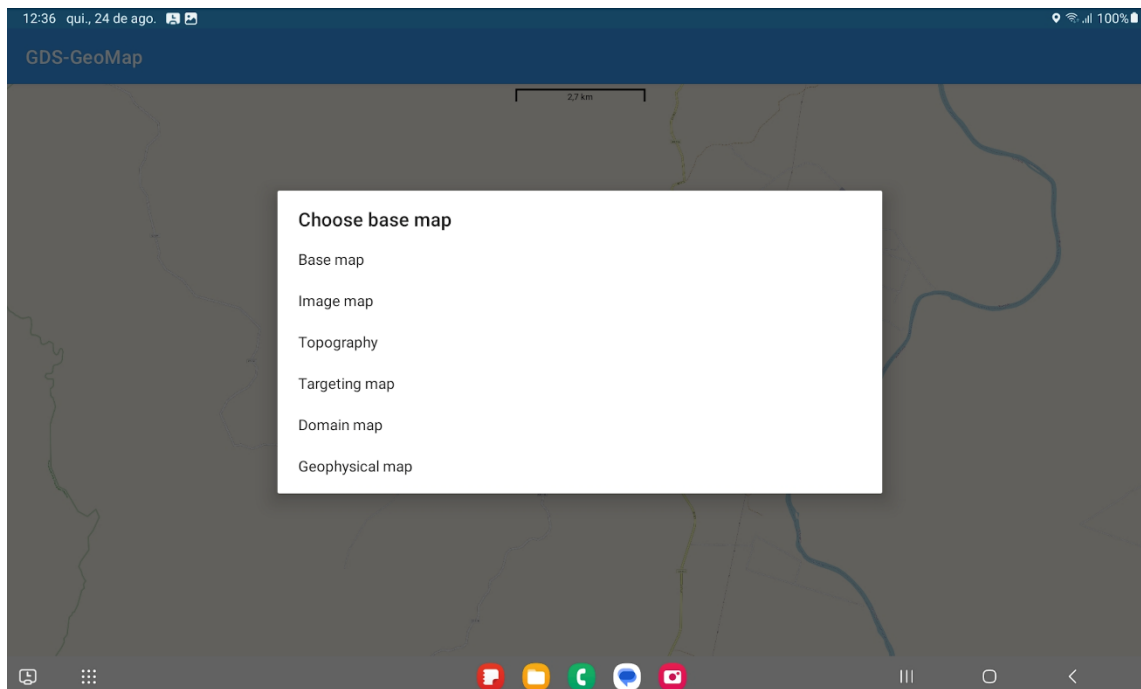
**COLLECT ADDITIONAL DATA ON p1**

Geo Point: p1 Type: MINERALIZATION Resp.: \_\_\_\_\_  
Mineralization: [Yellow]  
Mineral 1: [Yellow] Mineral 2: [Yellow] Mineral 3: [Yellow]  
Rank: 1 Intensity: [Yellow] Alteration: [Yellow]  
Dip: [Red] Dip Dir.: [Red] Type 1: N.A. Type 2: N.A.  
Description:  
[Red]  
[Blue] INSERT DATA

[Icons]

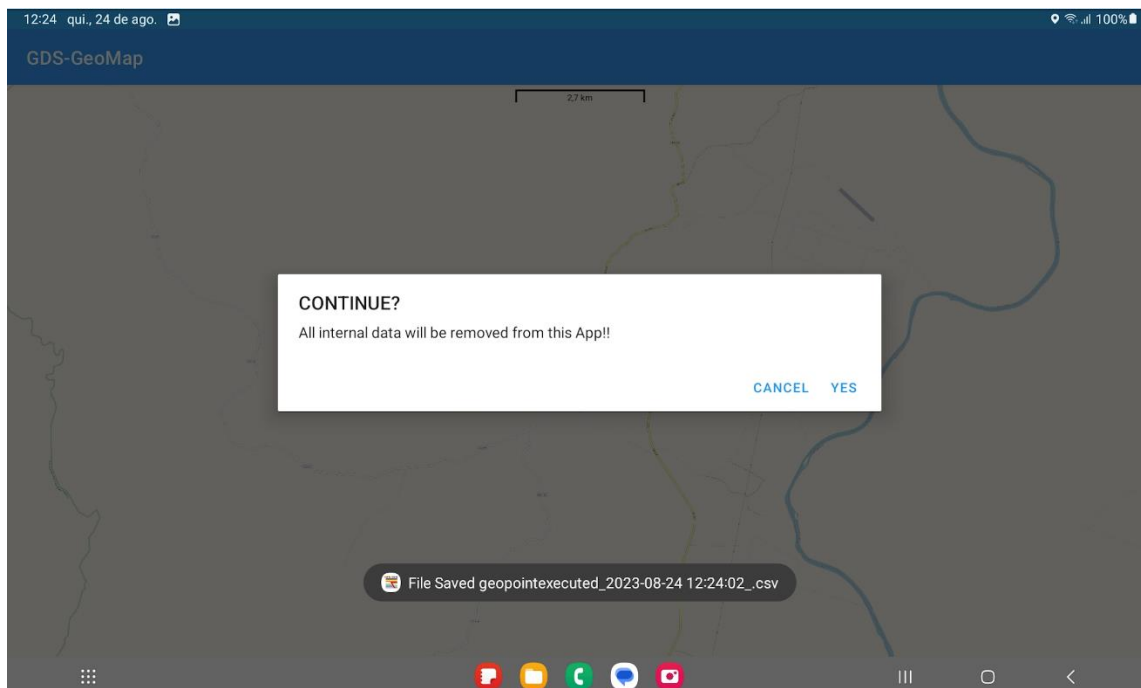
Use Edit Rock Sample or Edit Additional Data to edit the data already entered.

The background map can be changed to the previously loaded map using Select base map menu item. Choose a map from the options presented accordingly with your needs.



The maps can be zoomed in during the mapping process to better locate your position and to match with more precision the planned location.

To clean the internal database data select Erase internal data from the menu.



After confirming using YES, the data will be backed-up as an internal app file and the collected data erased from the tablet.