



Field Data Collection Methods using Qfield for QGIS Application

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Regional Training on GIS and Environment
Data Portal

June 29 to July3 2026
Tanoa International Hotel

Presenter: Ms Kasaqa Tora
Spatial Analysis Specialists Protected Area

Setup QGIS Software

- Install QGIS version

QGIS-OSGeo4W-3.44.11

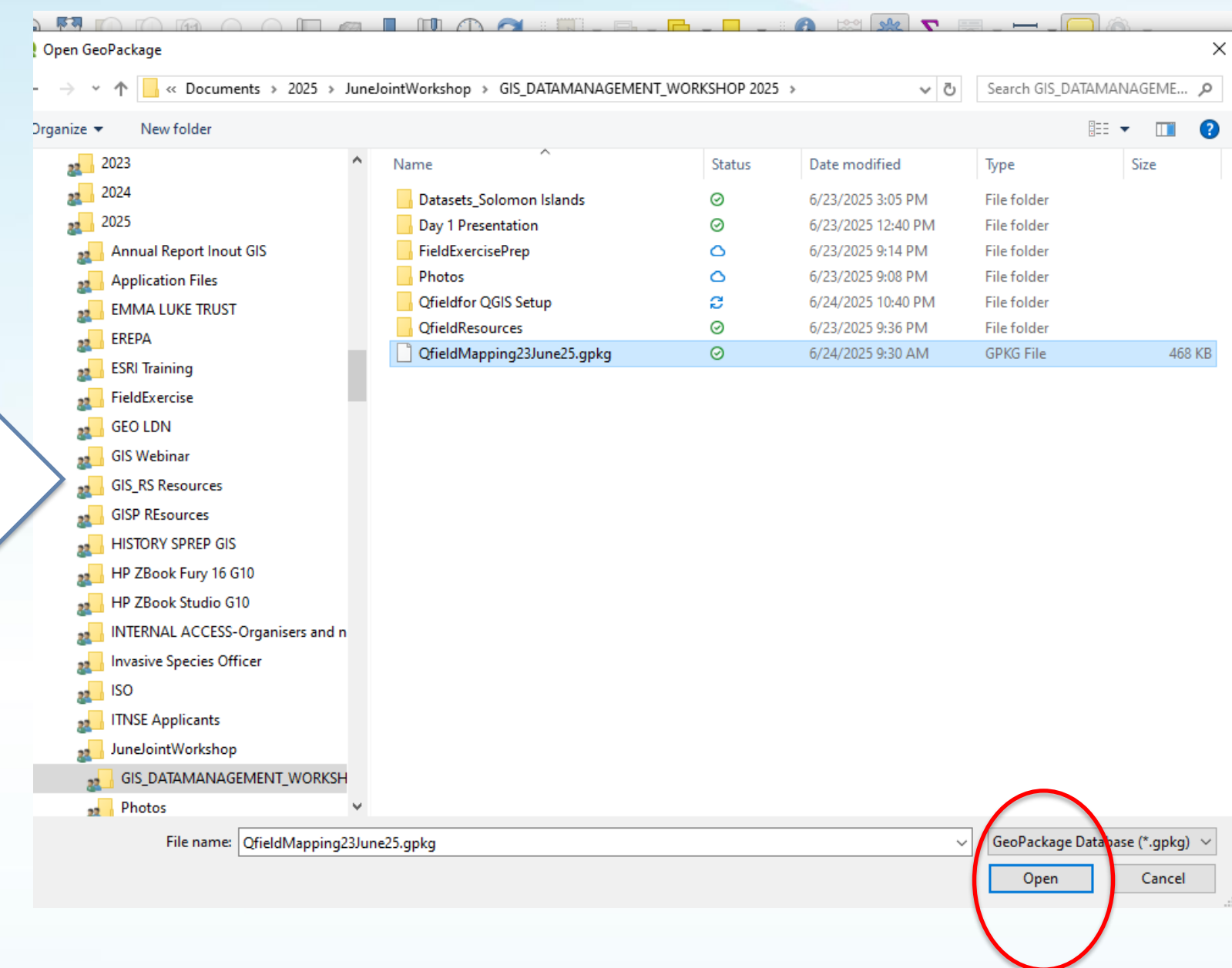
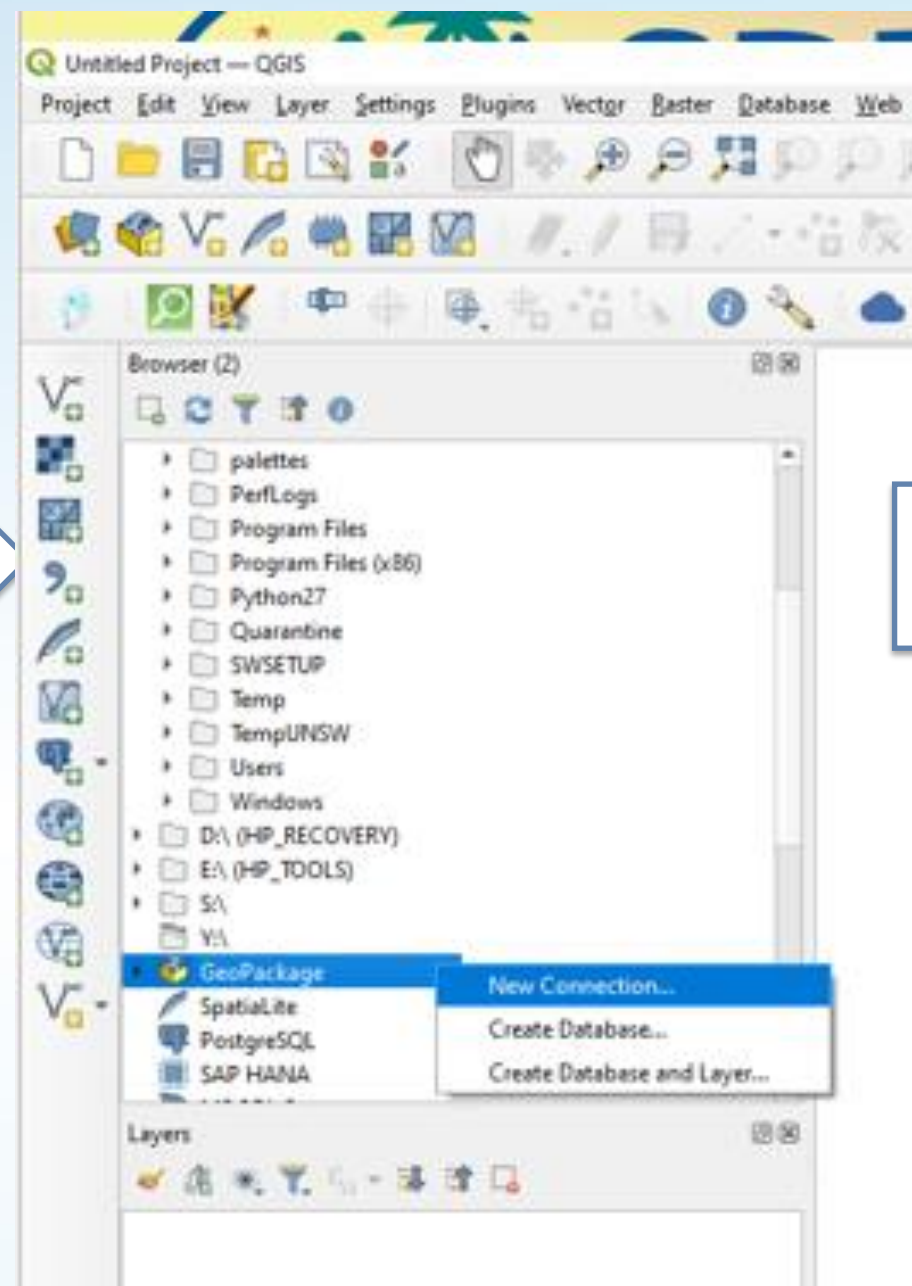
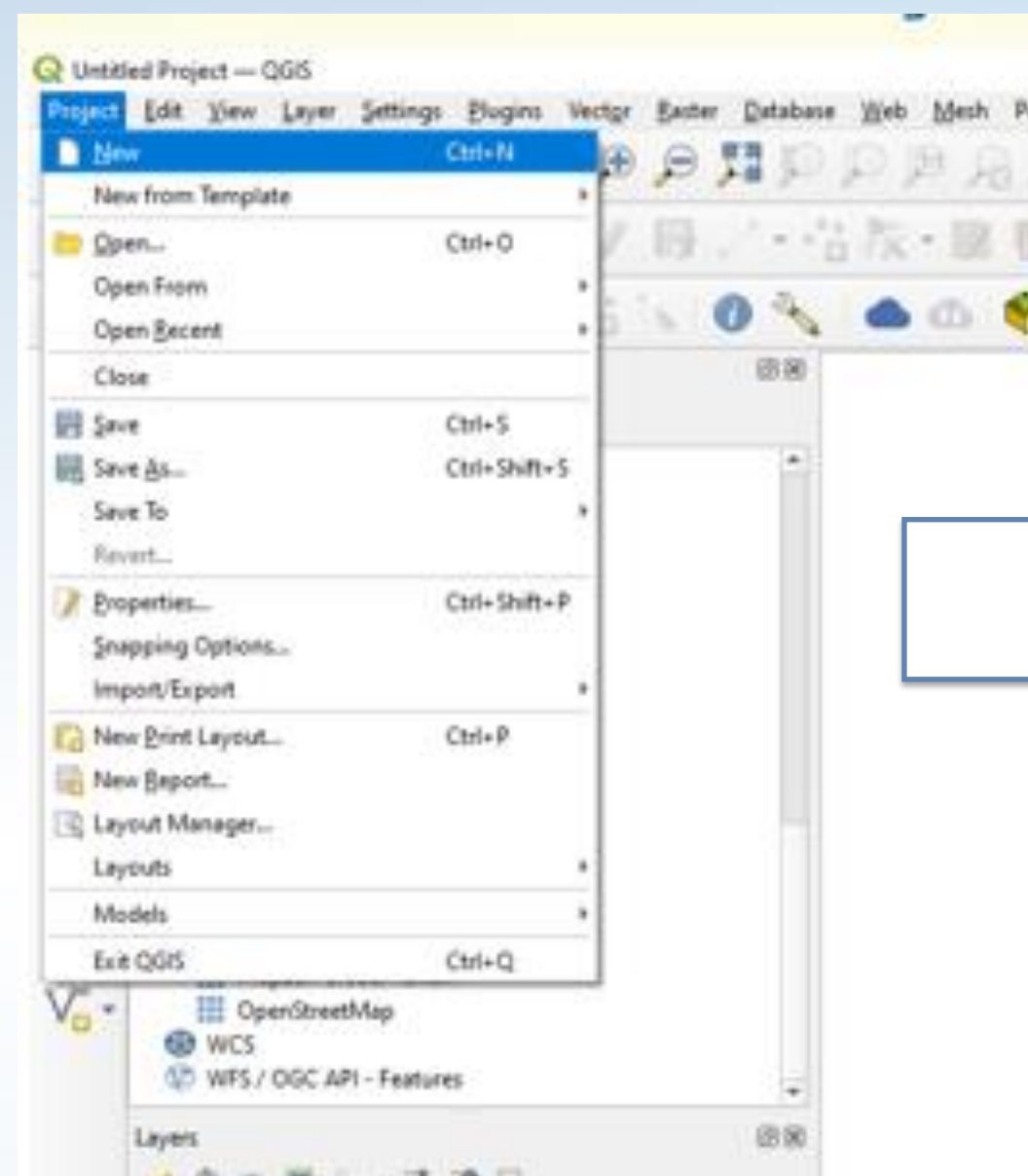
- Saved software on a USB and install on each participants laptop (If not already installed)
- Install QfieldSync plugins
- Load the GeoPackage into QGIS.



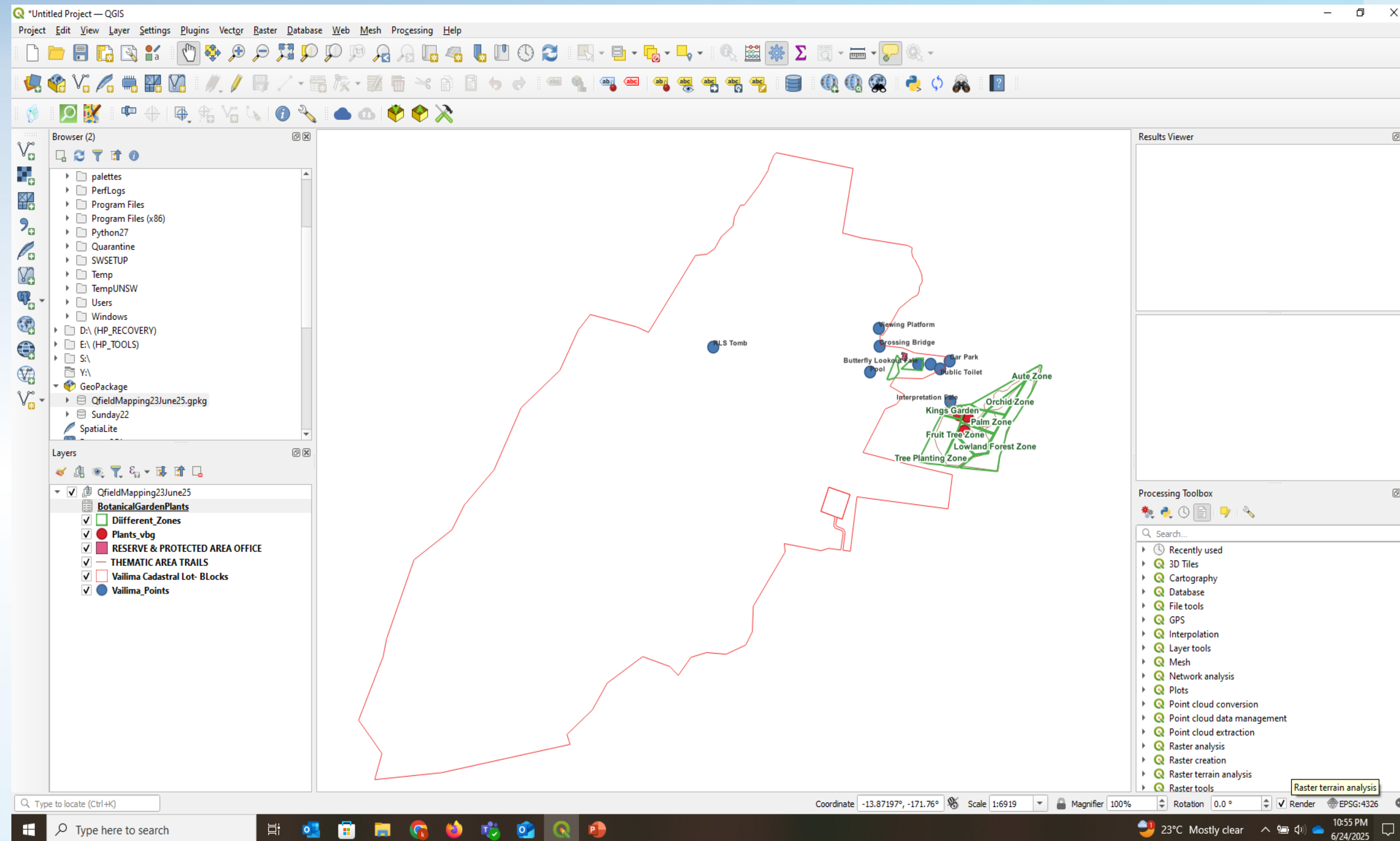
Open QGIS and create a new project.

Find the GeoPackage folder
in your browser panel.

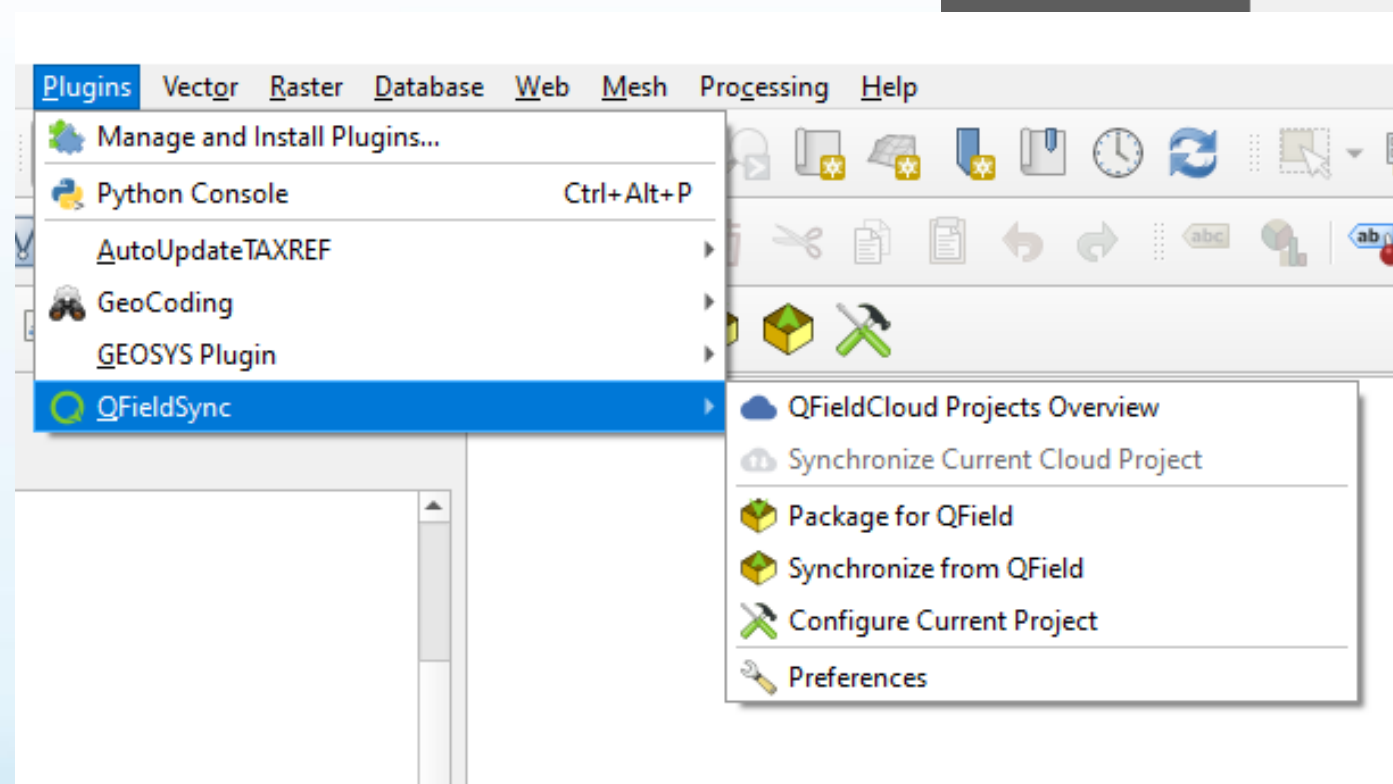
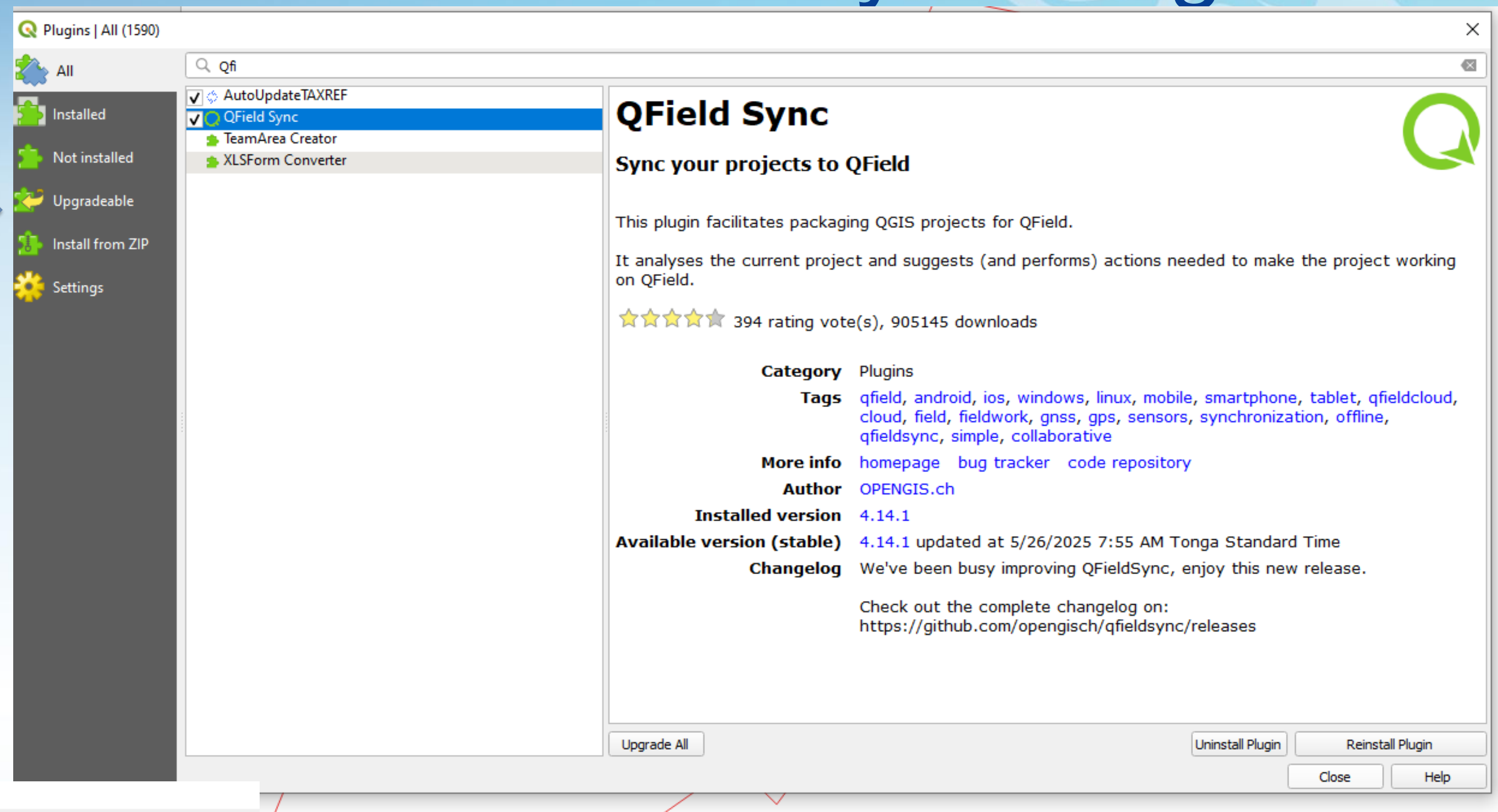
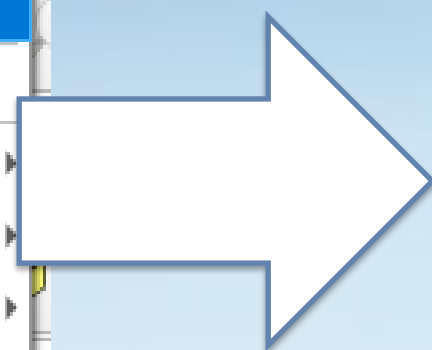
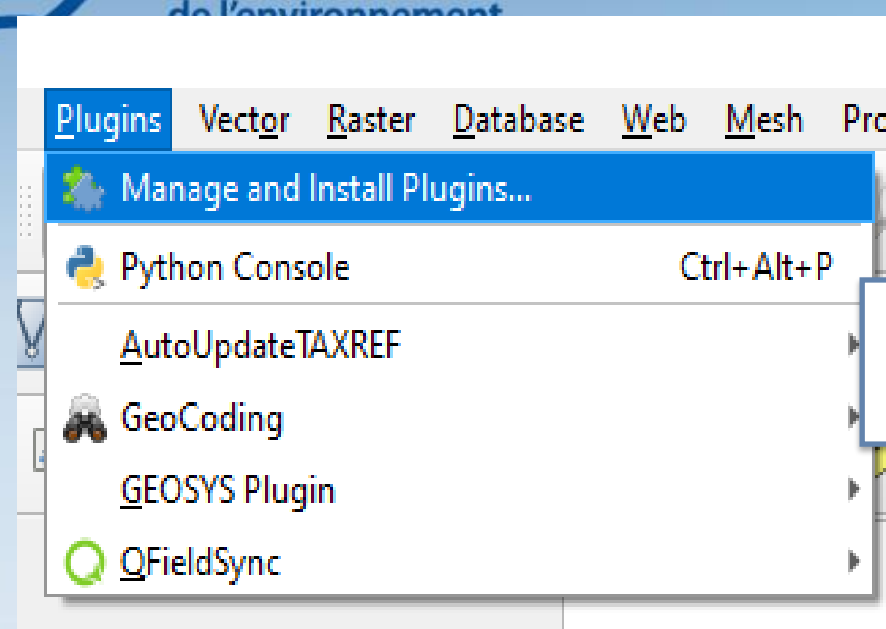
Add a geopackage file to
folder as illustrated below.



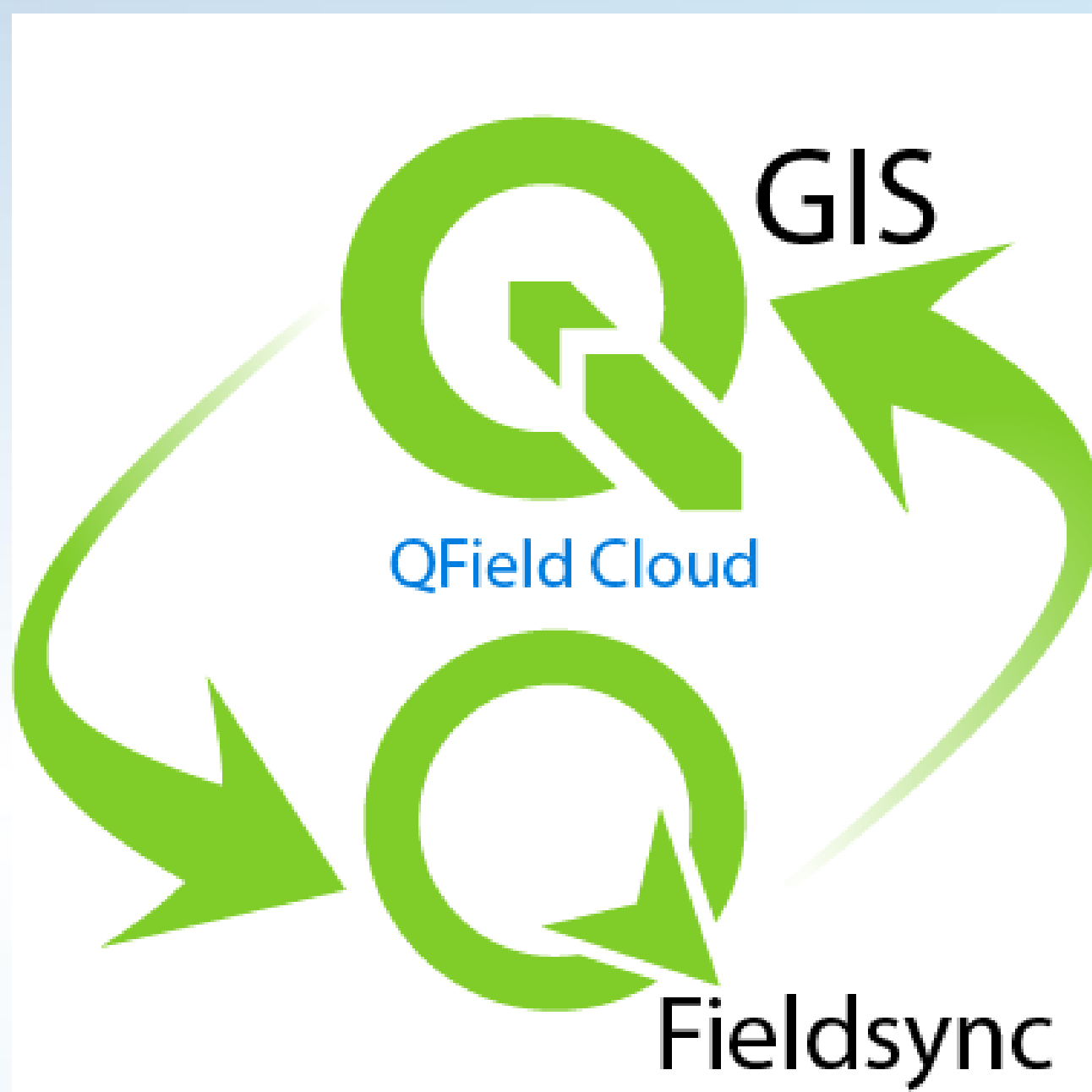
Add the Geopackage Layers to your map Canvas.



Install the Qfieldsync Plugin.



QField for QGIS



What is QFIELD

- A mobile application that allows users to collect and edit geospatial data in the field, using QGIS projects.
- It is designed for offline use and integrates seamlessly with [QGIS](#) through the QFieldSync plugin.
- Users can prepare their QGIS projects on their desktop, package them with QFieldSync, and then open them in QField on their mobile device for fieldwork

Basic Usage

1. Project Preparation:

QGIS projects need to be prepared using the QFieldSync plugin before being used in QField.

2. Data Transfer:

The prepared project is then transferred to the mobile device where QField is installed.

3. Fieldwork:

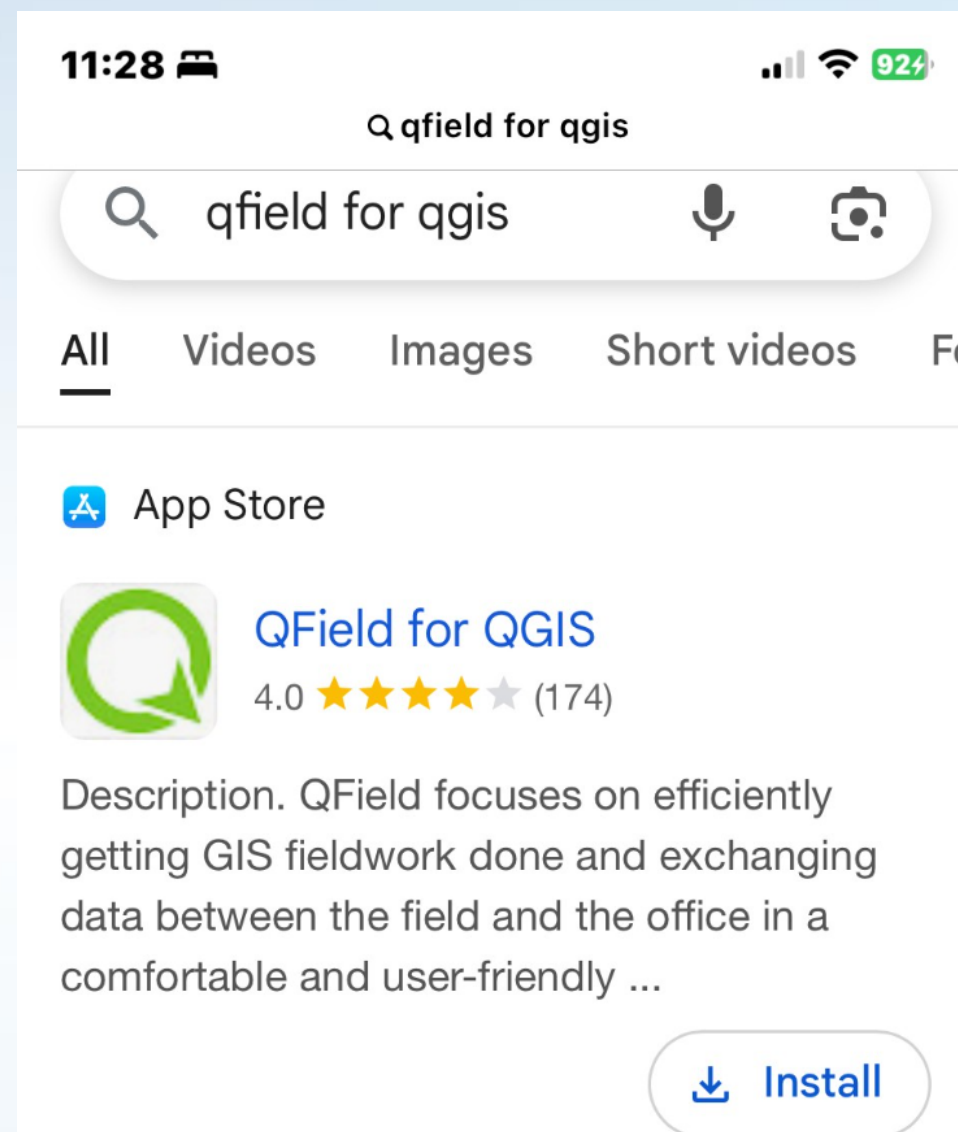
In the field, users can navigate the project, digitize new features, edit existing ones, and capture photos or other media.

4. Data Synchronization:

After fieldwork, the updated data can be synchronized back to the desktop QGIS project, either through direct file transfer or using [QFieldCloud](#)

1. Download install the Qfieldfor QGIS App.
2. Install the App on your devices.

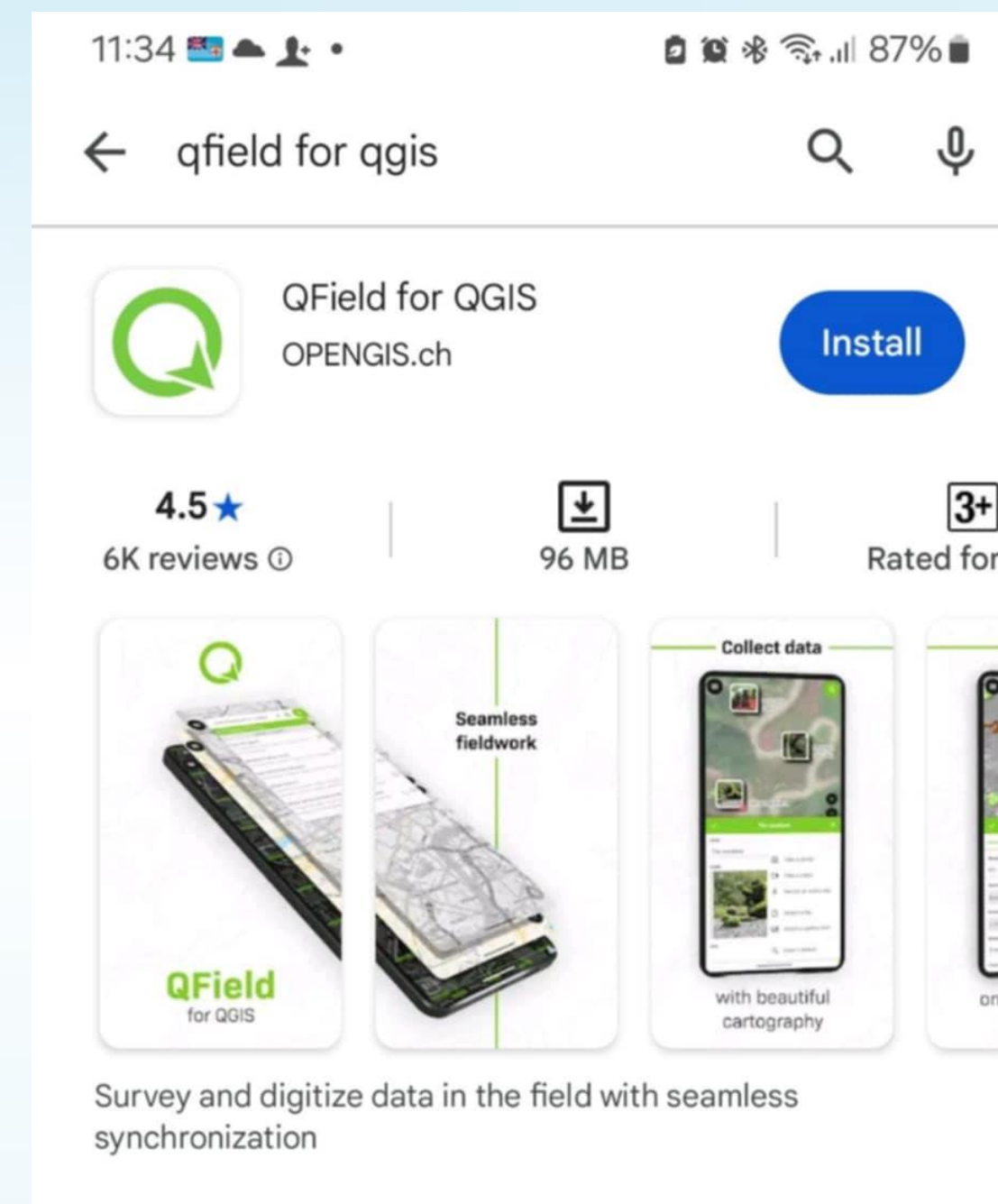
IOS Devices



Sign up for a Qfield Account.

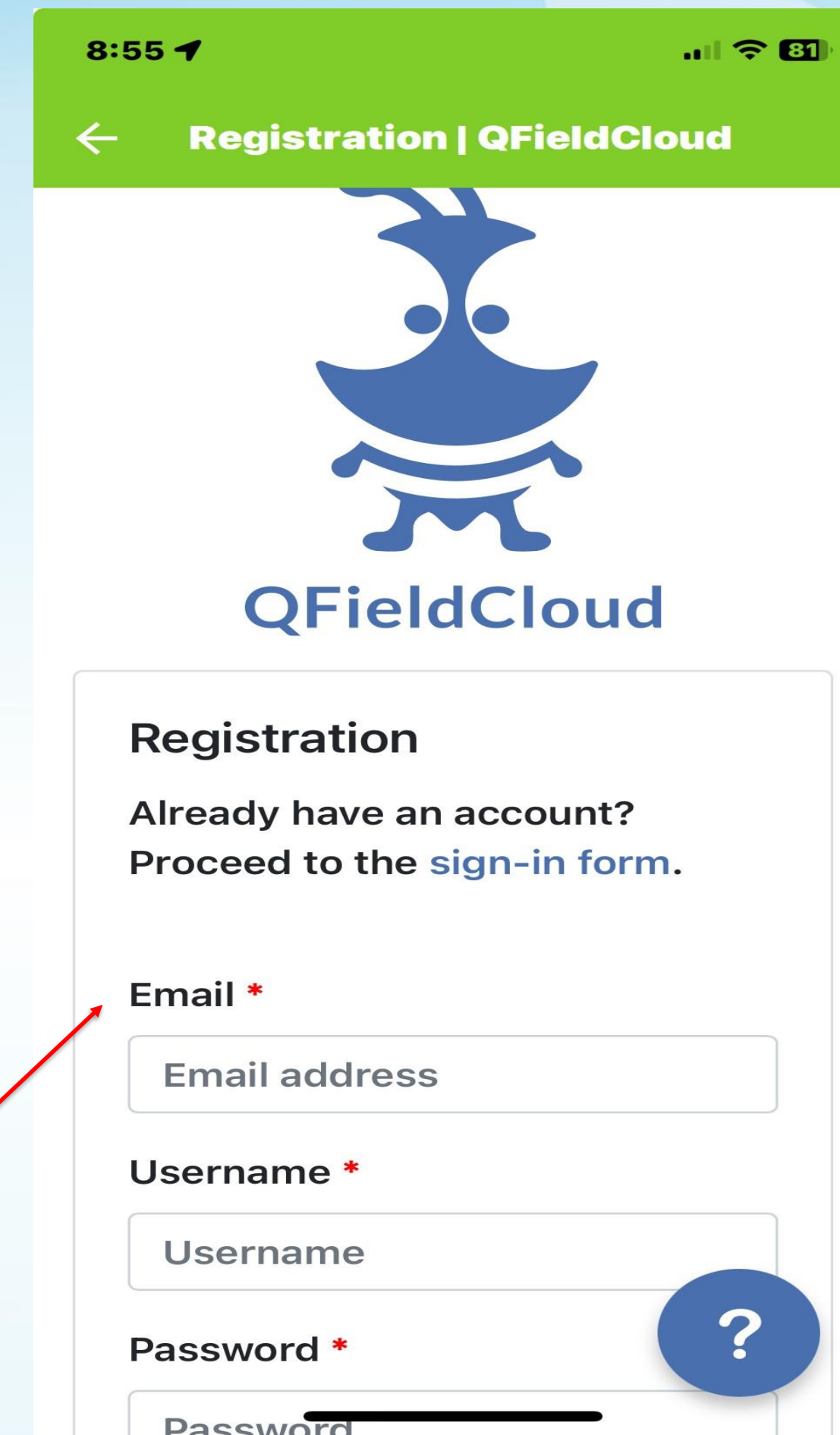
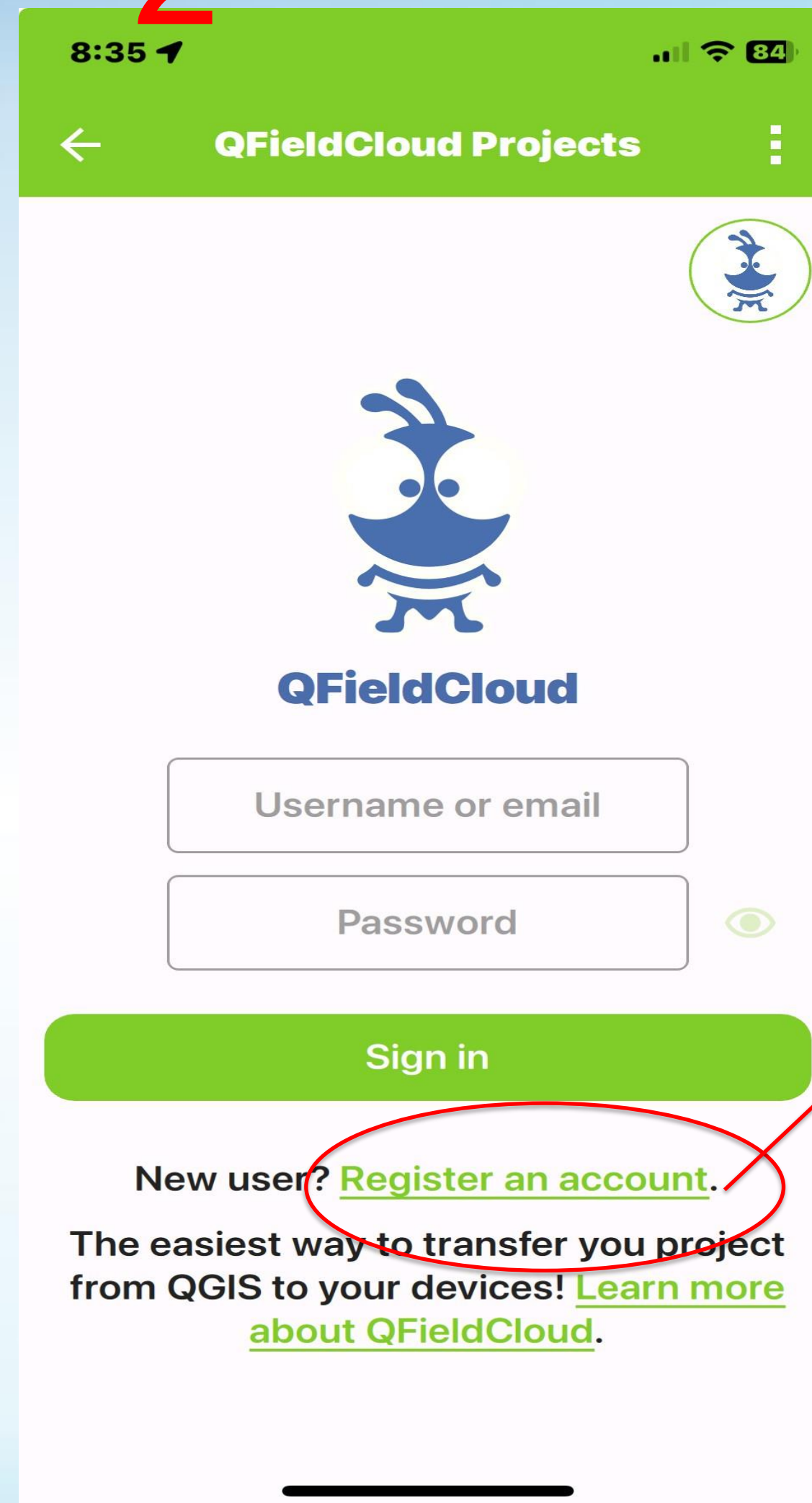
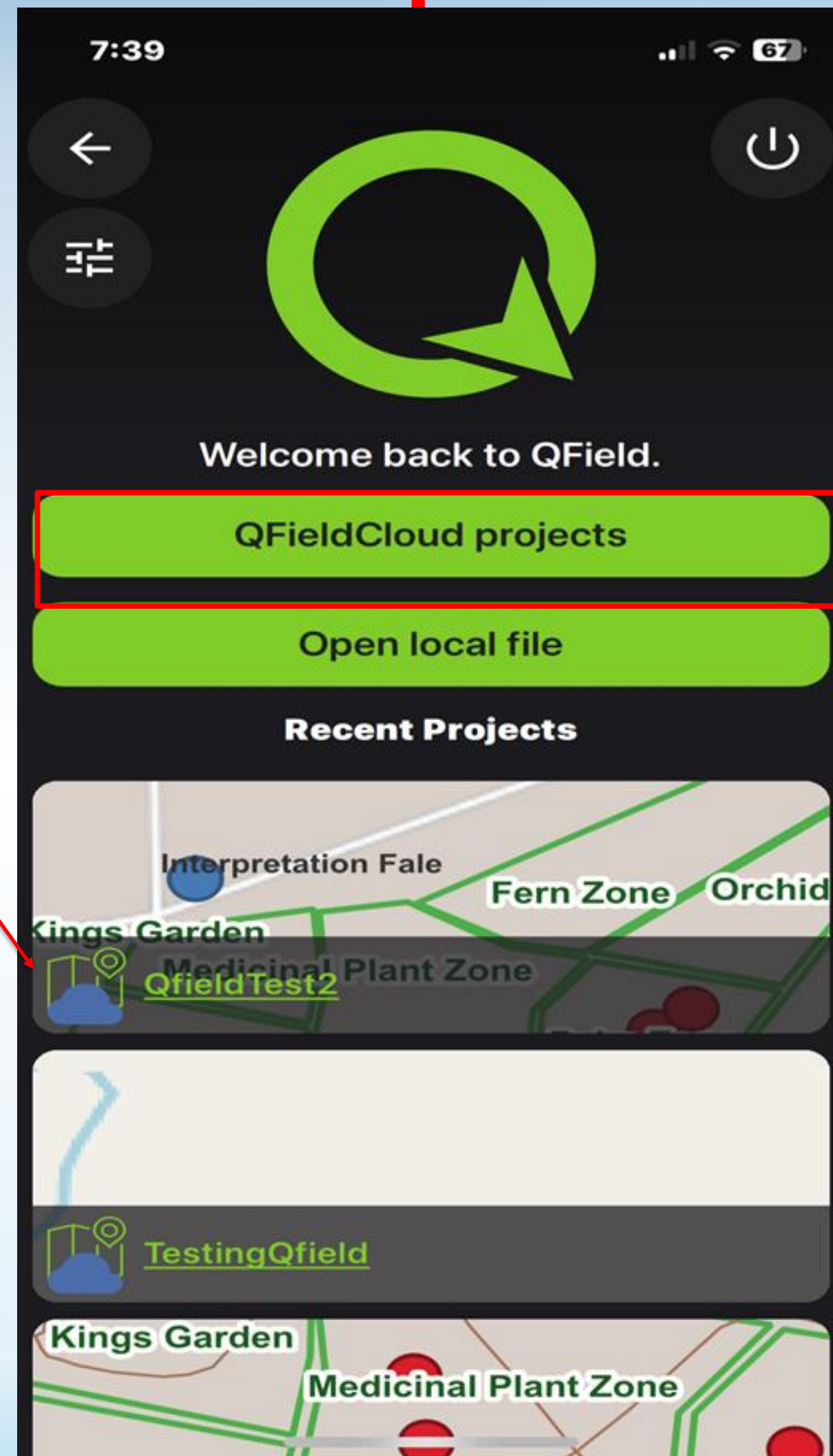
Key Steps in Qfield for QGIS Setup.

Android Devices

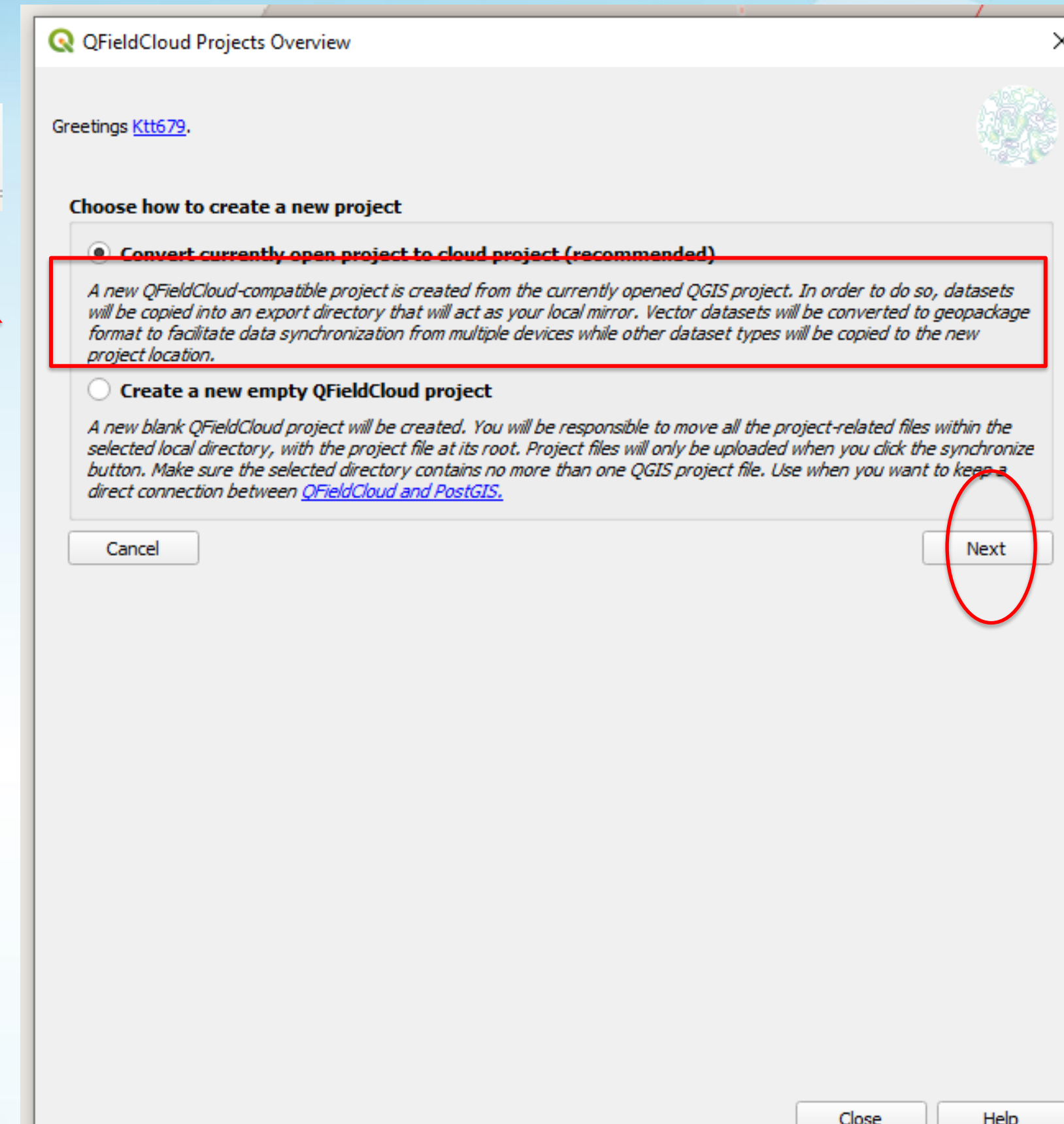
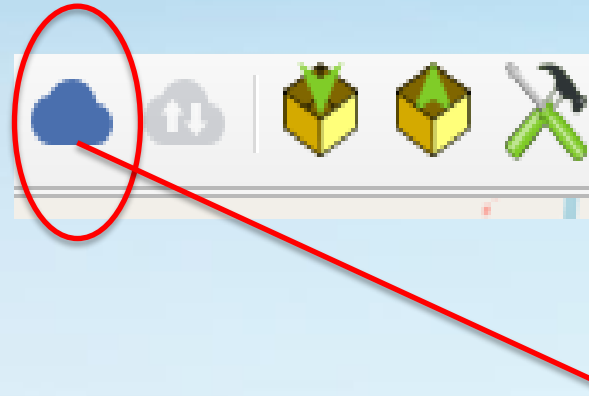


Setting up Qfield

- Register your Qfield Account.



Creating a new project



Transfer Project to mobile device where Qfield is

Name your project

QFieldCloud Projects Overview

Greetings [Ktt679](#).

Project Details

Name

Description

Owner

Local Project Settings

Local Directory

QFieldCloud Projects Overview

Greetings [Kasaqa](#).

Project Details

Name

Description

☐ Is public

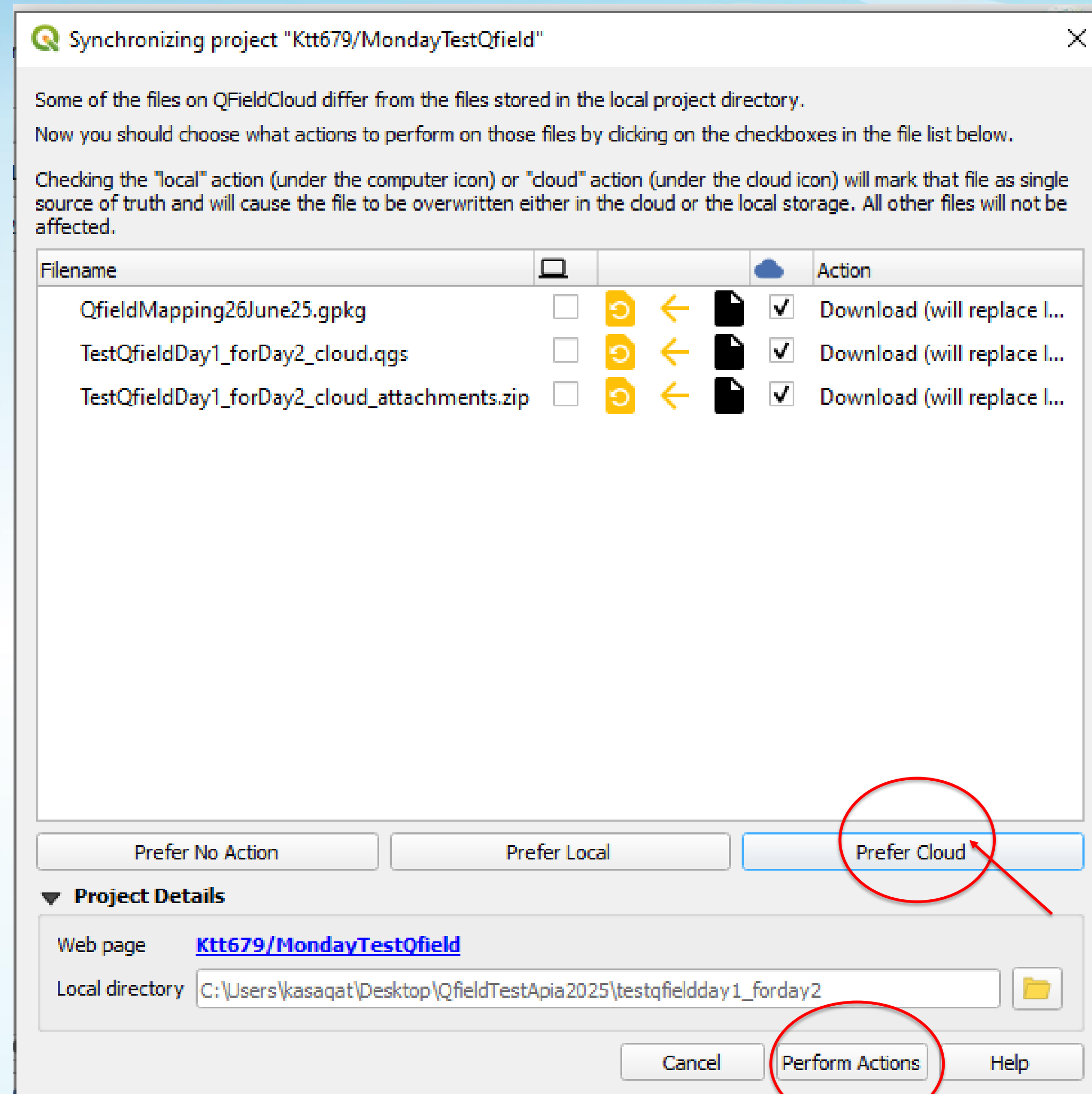
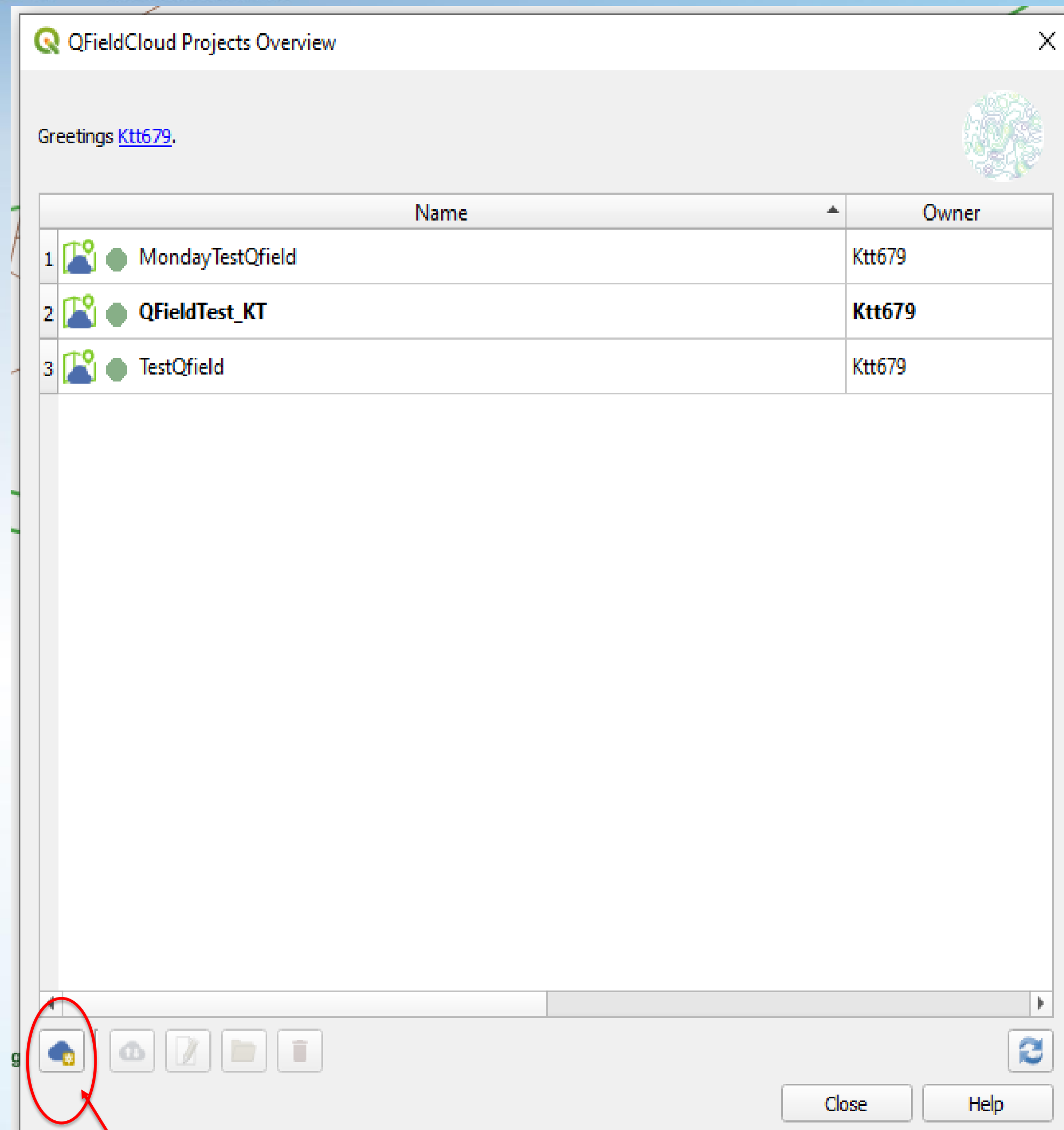
Owner

Used 1.7 MB of 100.0 MB / [manage storage](#)

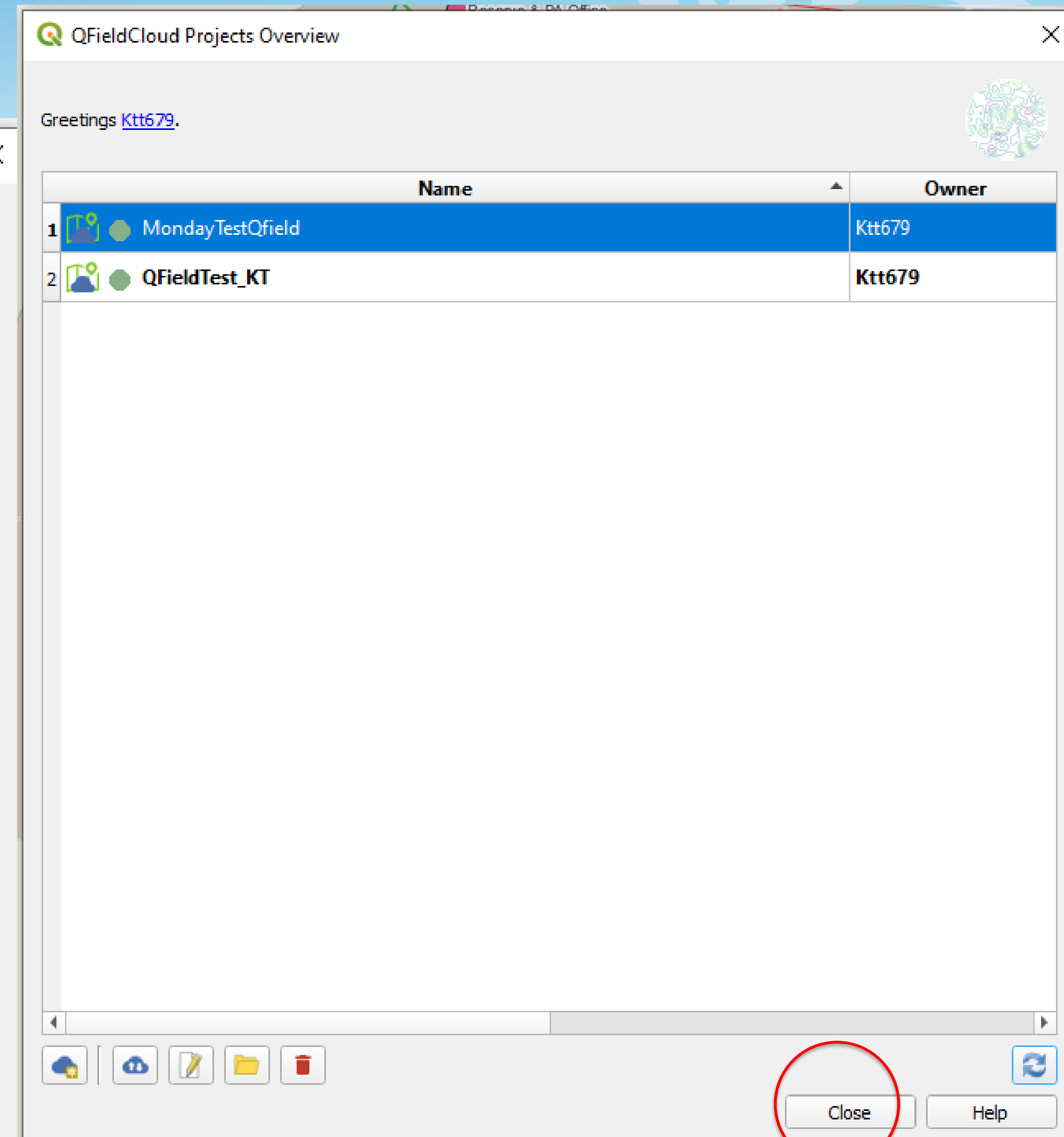
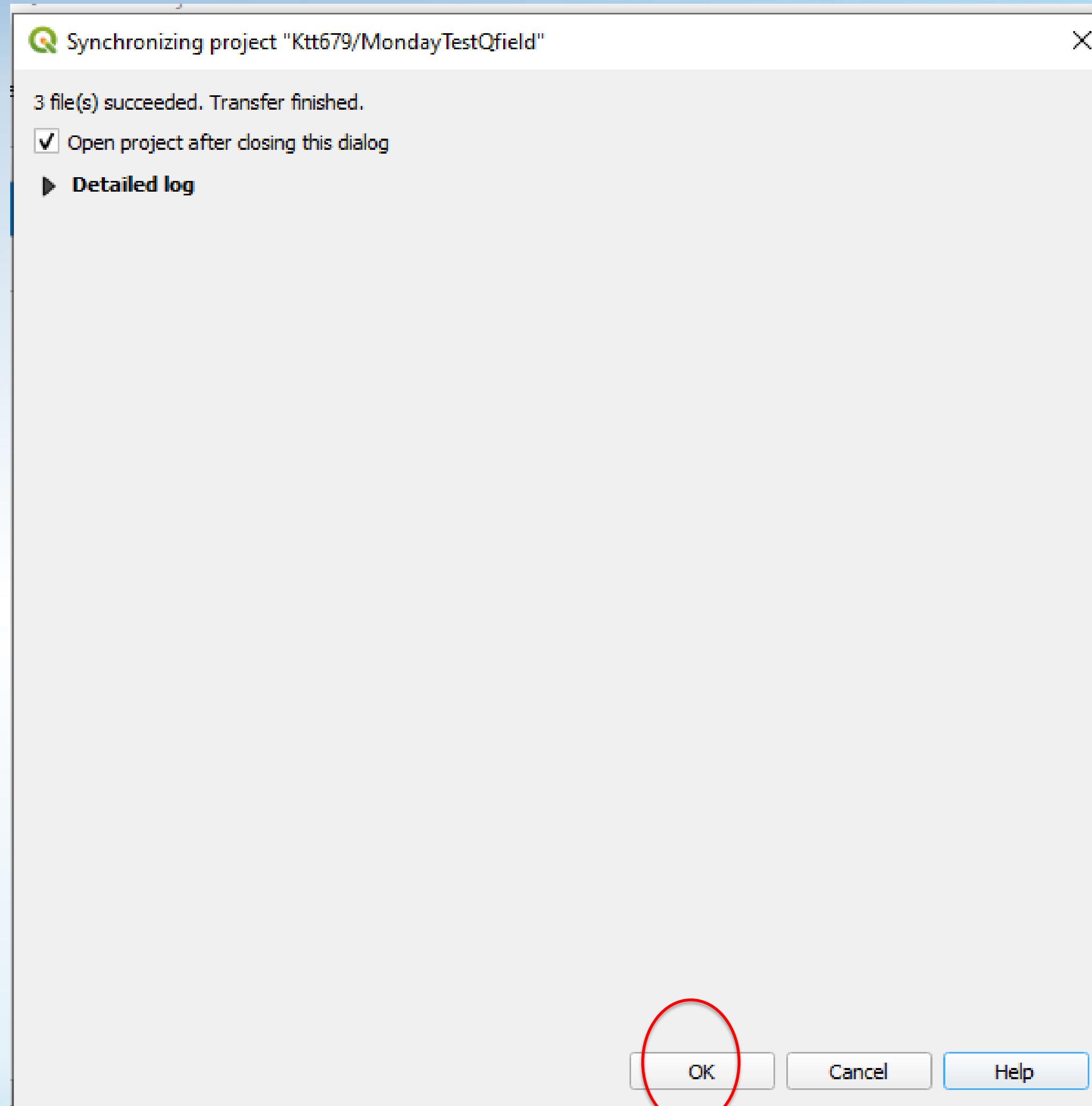
Local Project Settings

Local Directory

Synchronise new Project on the cloud.

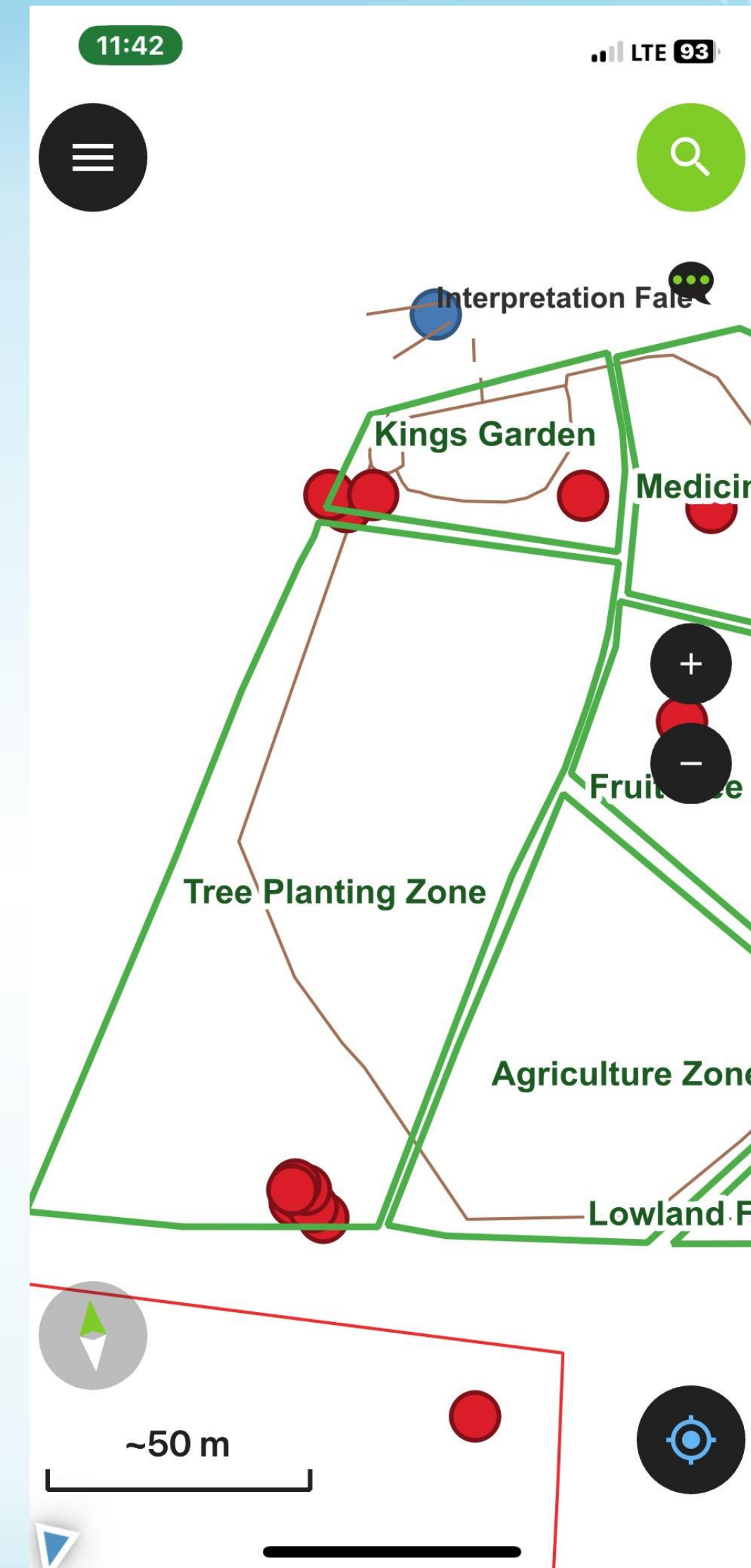
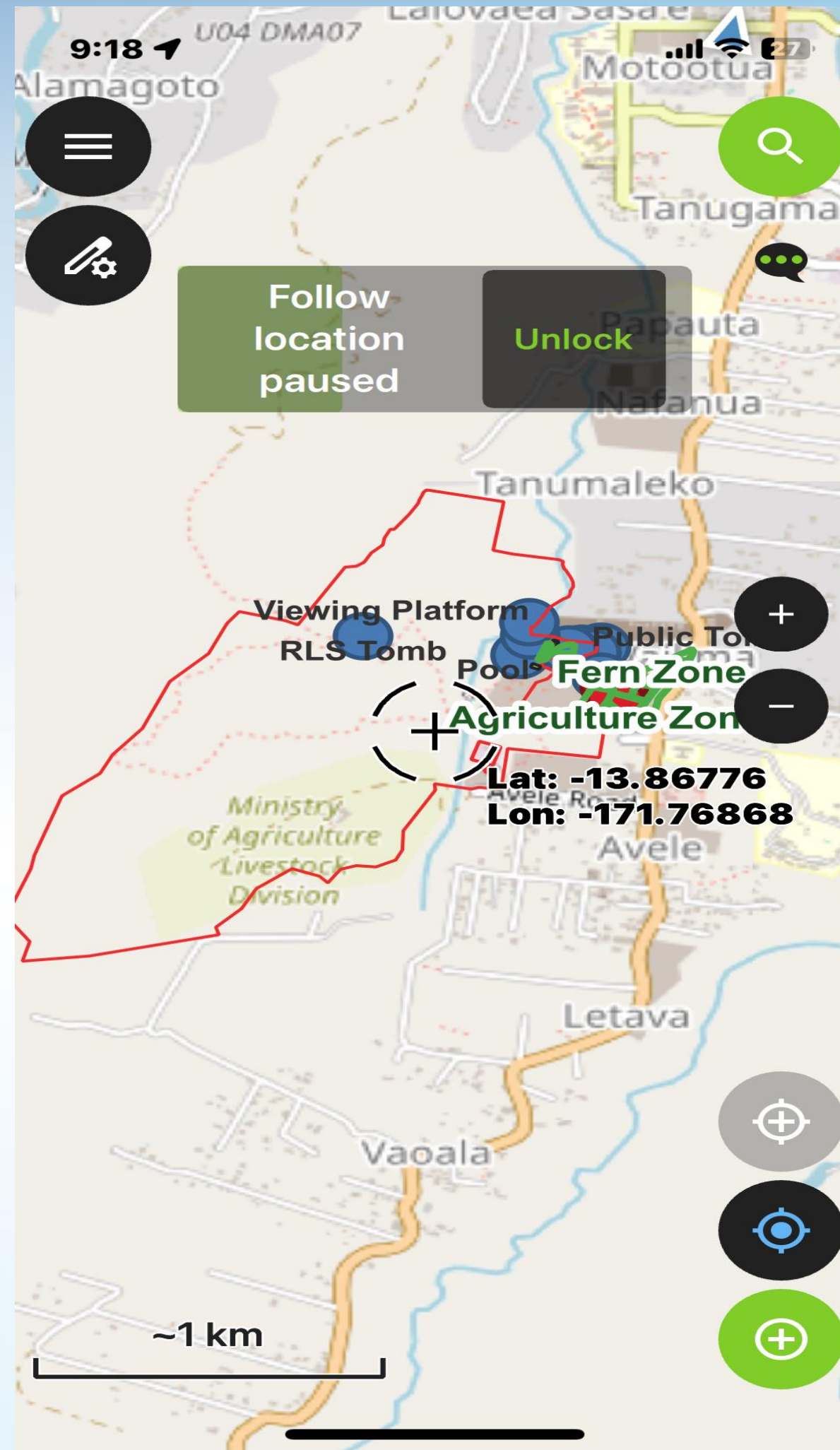


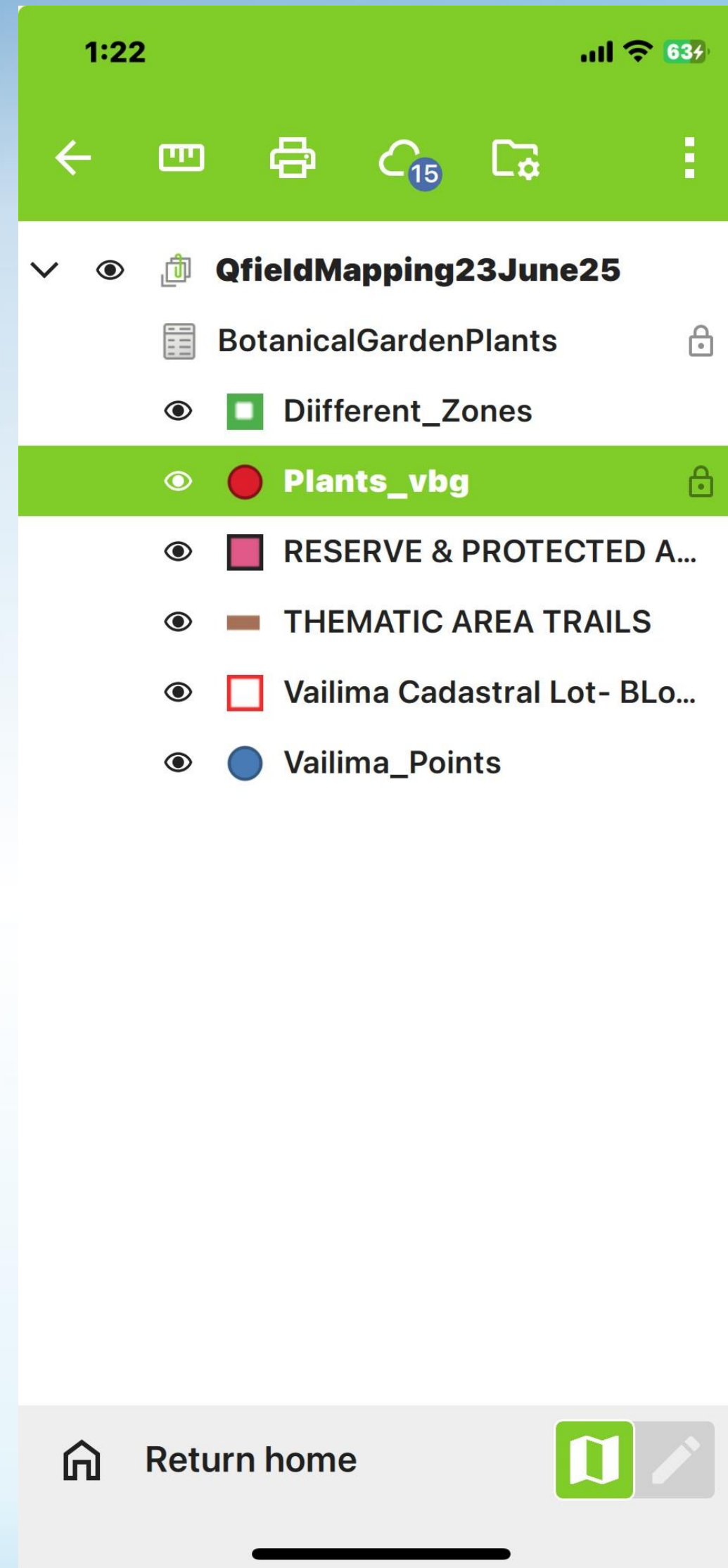
Synchronise new Project on the cloud cont.



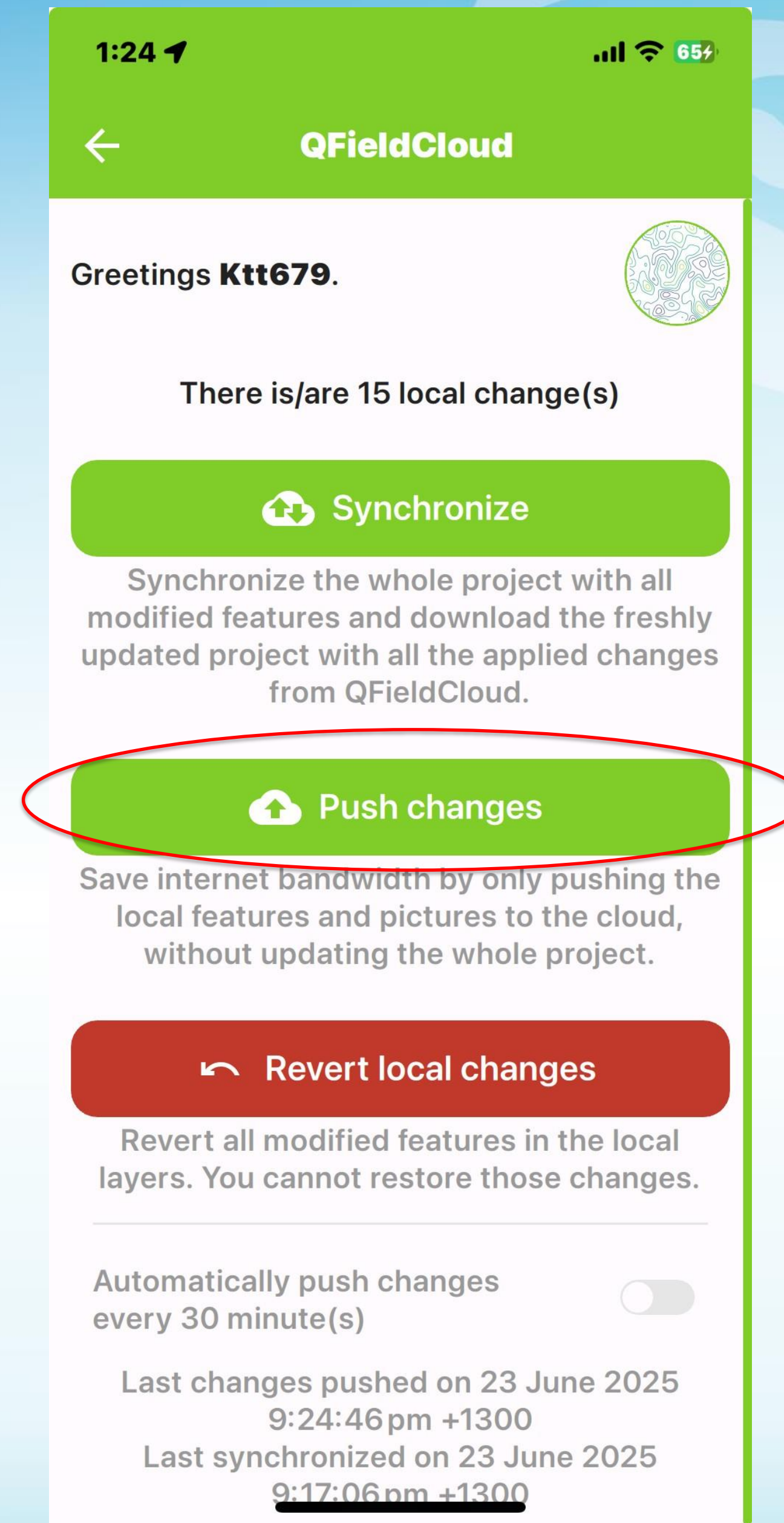
Project added to Qfield

Zoom into the mapping site.

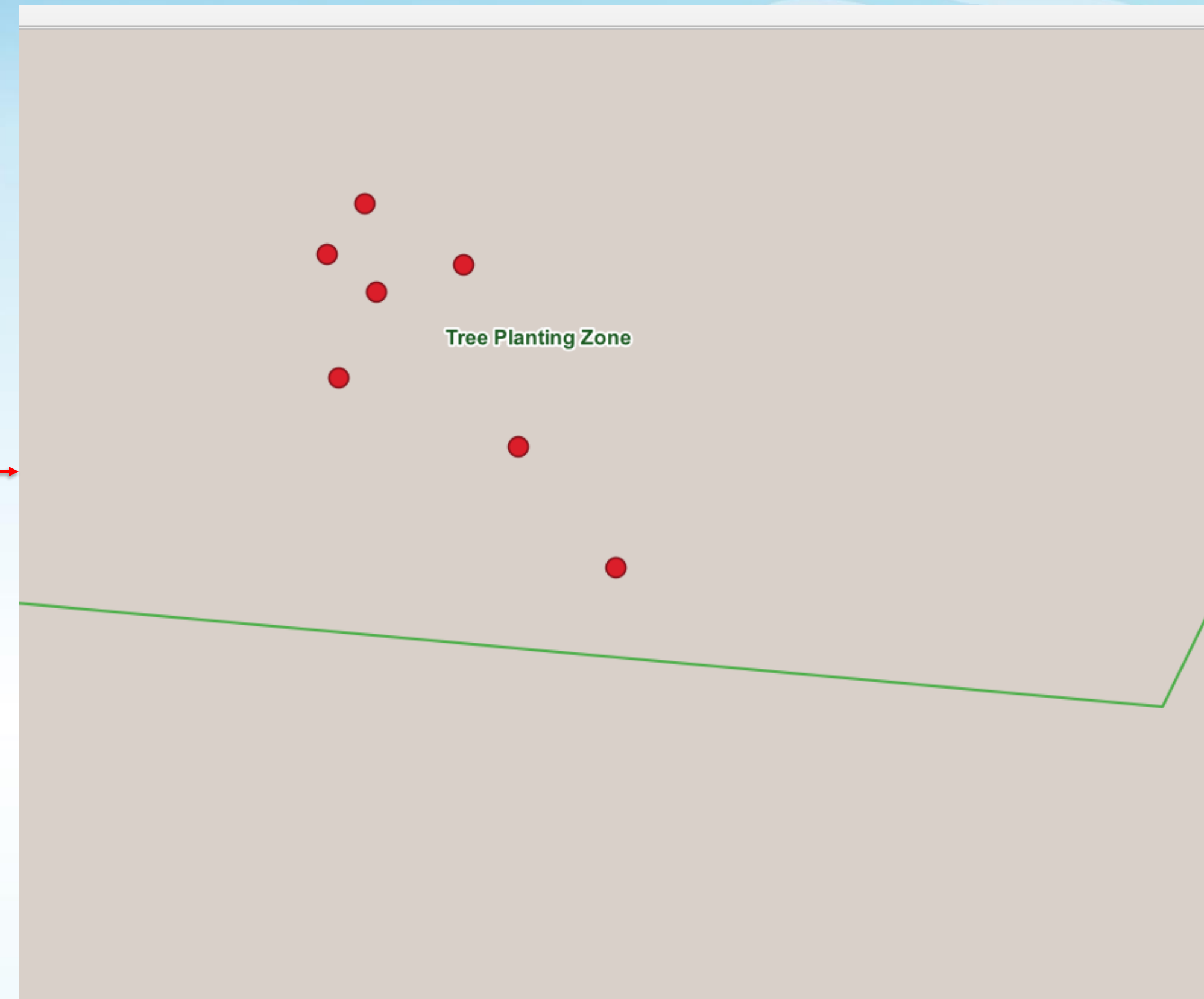
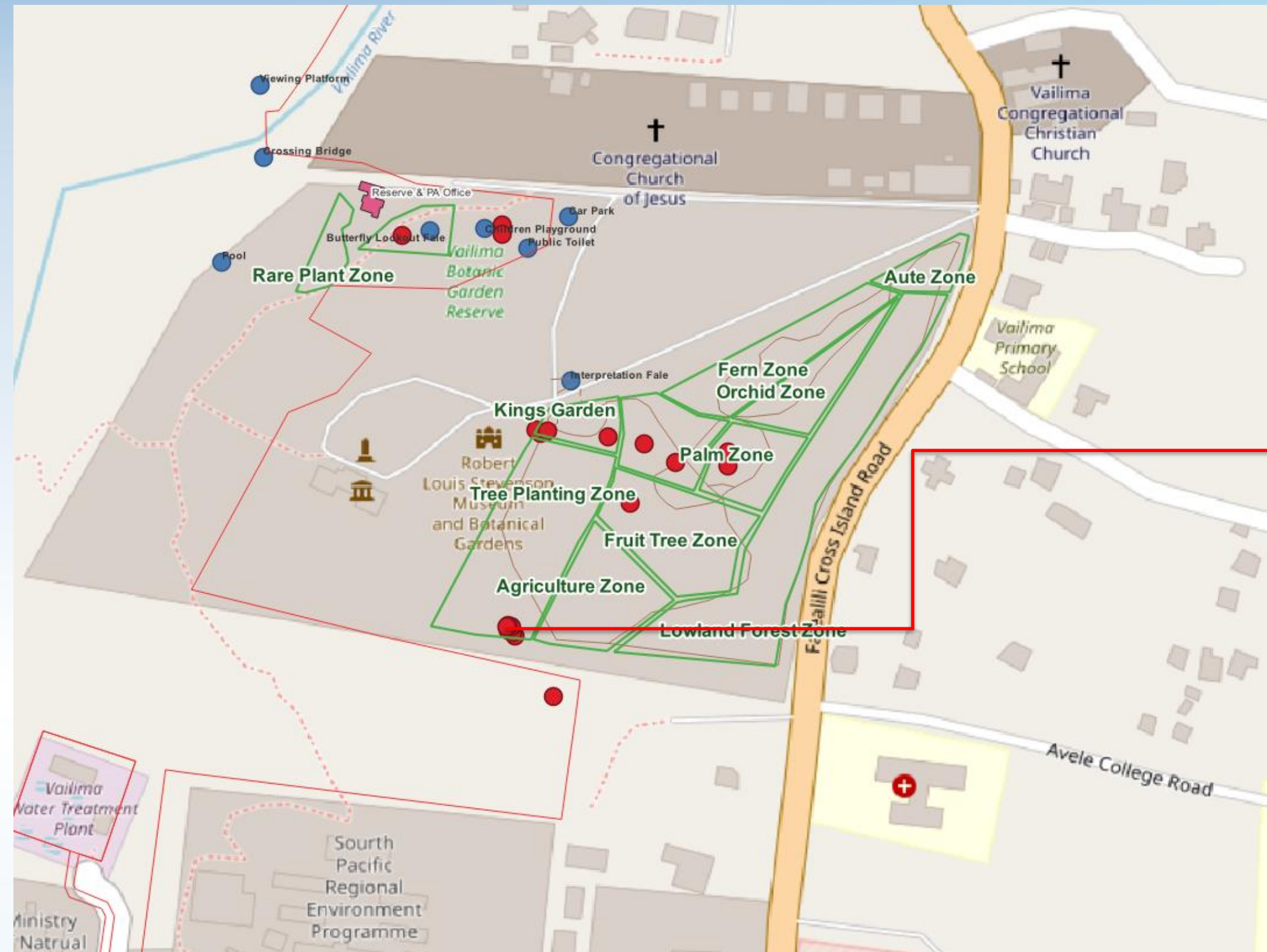




Push mapped points data to the cloud



Confirm Location on the map



Qfield Resources

1. <https://docs.qfield.org/get-started/>
2. <https://dev.to/mierune/get-started-with-qfield-cloud-4360>
 - [QFieldSync Documentation](#)
 - [Pictures \(Attachments\) in QField Documentation](#) (This specifically covers configuring attachments, which often involves images)

Thank You!!

