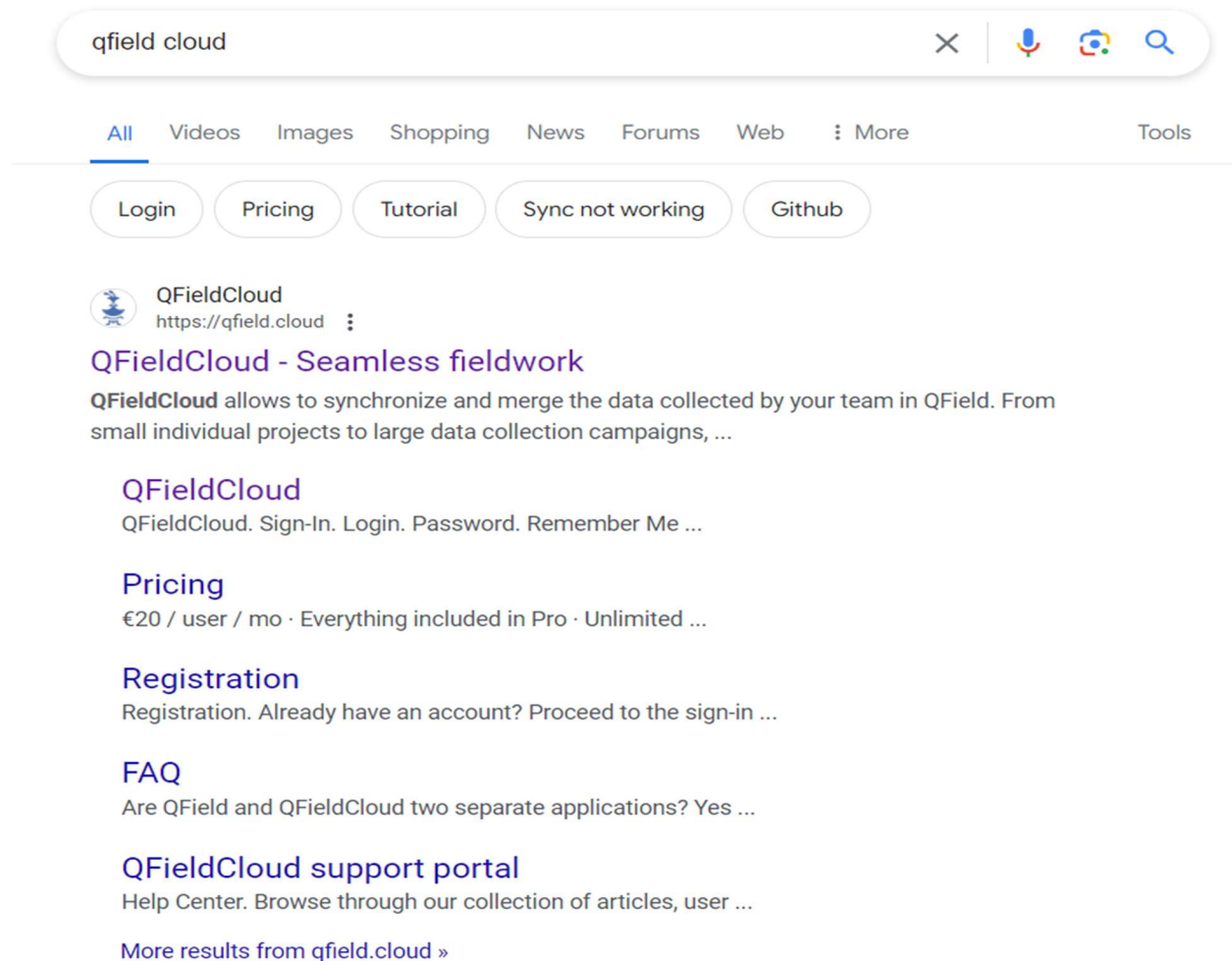


Guide for Using GIS in Cell Building

Part One: Creating a QFieldCloud account

Step One:

- Google “qfield cloud”
- Go to <https://qfield.cloud/>



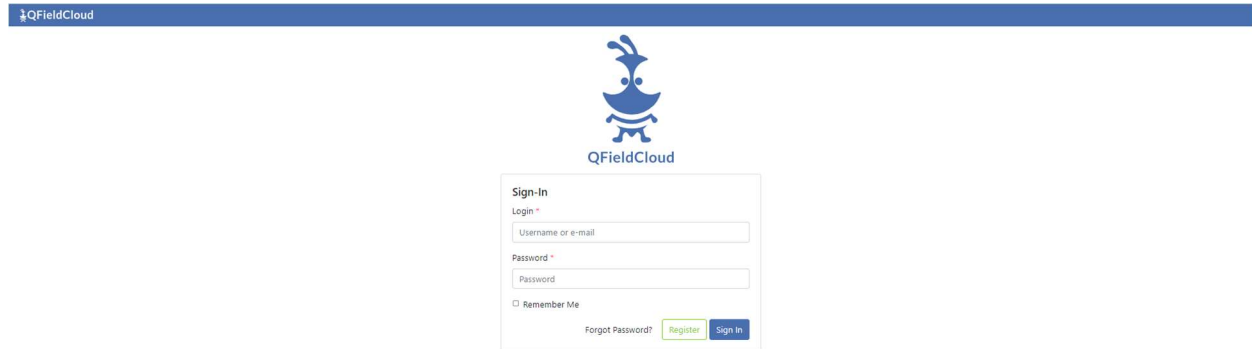
Step Two:

- Click the Register button to fill out a registration form.
- Accept the Terms of Services and click Register.

The image shows the registration form on the QFieldCloud website. At the top of the form area is the QFieldCloud logo. Below the logo is the heading "Registration" and a link: "Already have an account? Proceed to the sign-in form." The form contains several input fields: "E-mail" with a sub-label "E-mail address", "Username", "Password", and "Password (again)". Below these is a "Timezone" dropdown menu currently set to "GMT-07:00 America/Los Angeles". At the bottom of the form are two checkboxes: "Subscribe to the newsletter" (with sub-text "By checking this checkbox you agree to receive our newsletter.") and "Accept terms of services" (with sub-text "By checking this checkbox you agree with the QFieldCloud Terms of services available here."). A green "Register" button is located at the bottom right of the form. In the bottom right corner of the page, outside the form, is a small blue circular button with a white question mark.

Step Three:

- Go back to the homepage and click Sign In.



The screenshot shows the QFieldCloud homepage. At the top is a blue header bar with the QFieldCloud logo on the left. Below the header, centered, is the QFieldCloud logo (a stylized blue figure) and the text "QFieldCloud". Below the logo is a "Sign-In" form. The form has a title "Sign-In" and a "Login" label. It contains two input fields: "Username or e-mail" and "Password". Below the password field is a checkbox labeled "Remember Me". At the bottom of the form are three links: "Forgot Password?", a green "Register" button, and a blue "Sign In" button.

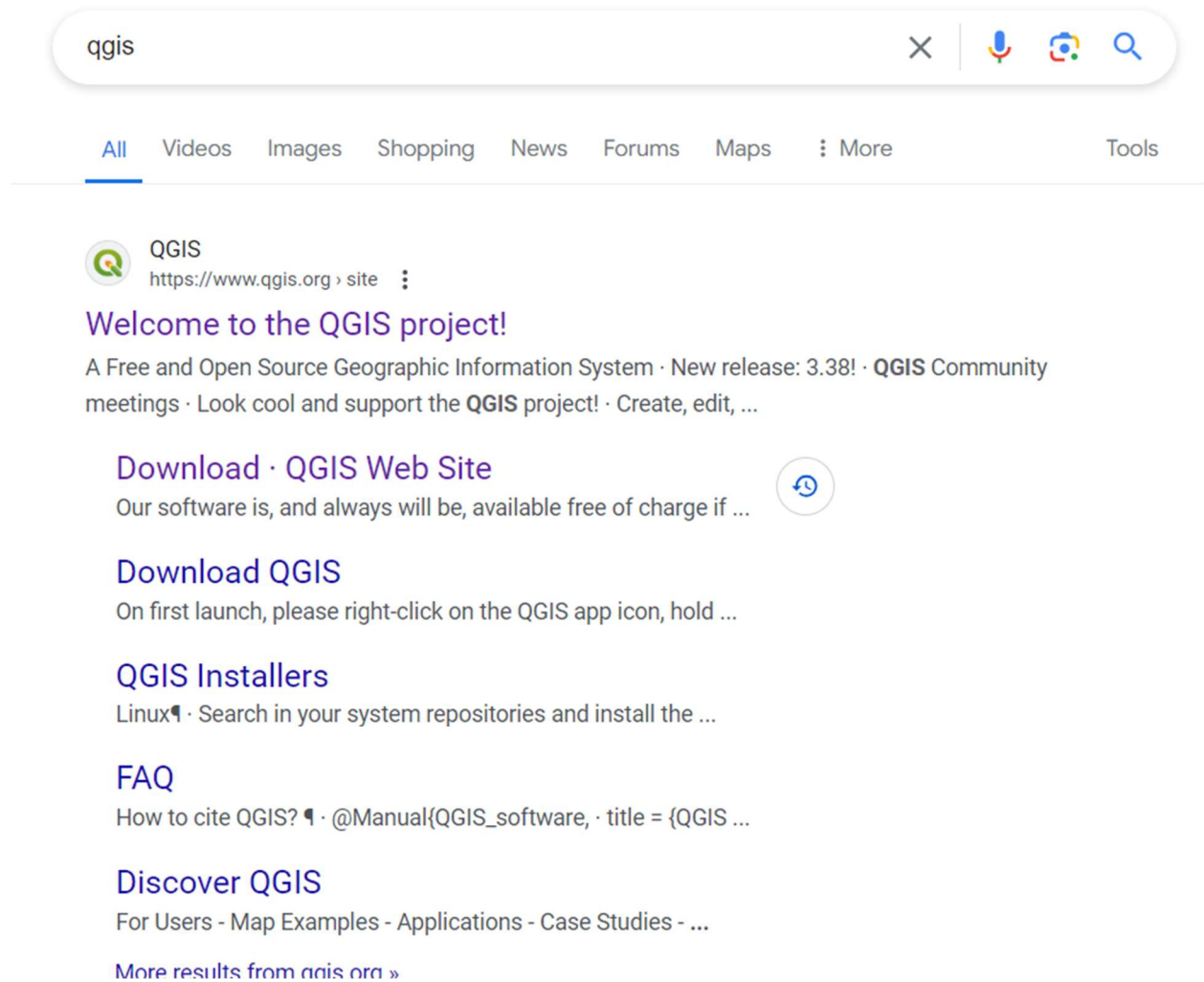
Note:

- *QFieldCloud Community Account is limited to 100 mbs.*

Part Two: Downloading QGIS

Step One:


- Google “qgis”
- Go to <https://www.qgis.org/>



The screenshot shows a Google search interface with the query 'qgis' entered in the search bar. Below the search bar, there are tabs for 'All', 'Videos', 'Images', 'Shopping', 'News', 'Forums', 'Maps', and 'More'. The 'All' tab is selected. The search results show the QGIS website as the top result. The website's logo is a green circle with a white 'Q' and a green 'G'. The title is 'QGIS' and the URL is 'https://www.qgis.org › site'. Below the title, there is a description: 'Welcome to the QGIS project! A Free and Open Source Geographic Information System · New release: 3.38! · QGIS Community meetings · Look cool and support the QGIS project! · Create, edit, ...'. There are several links listed: 'Download · QGIS Web Site', 'Download QGIS', 'QGIS Installers', 'FAQ', and 'Discover QGIS'. Each link has a brief description. At the bottom, there is a link to 'More results from qgis.org »'.

qgis

All Videos Images Shopping News Forums Maps More Tools

 **QGIS**
https://www.qgis.org › site

Welcome to the QGIS project!
A Free and Open Source Geographic Information System · New release: 3.38! · **QGIS** Community meetings · Look cool and support the **QGIS** project! · Create, edit, ...

Download · QGIS Web Site
Our software is, and always will be, available free of charge if ...

Download QGIS
On first launch, please right-click on the QGIS app icon, hold ...

QGIS Installers
Linux · Search in your system repositories and install the ...

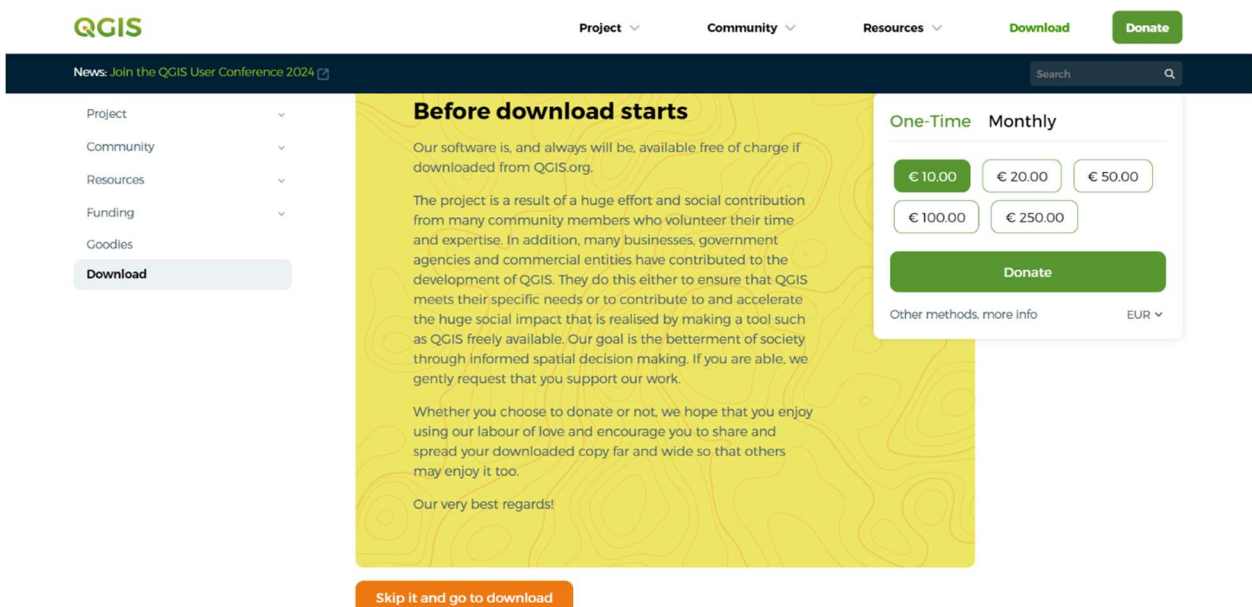
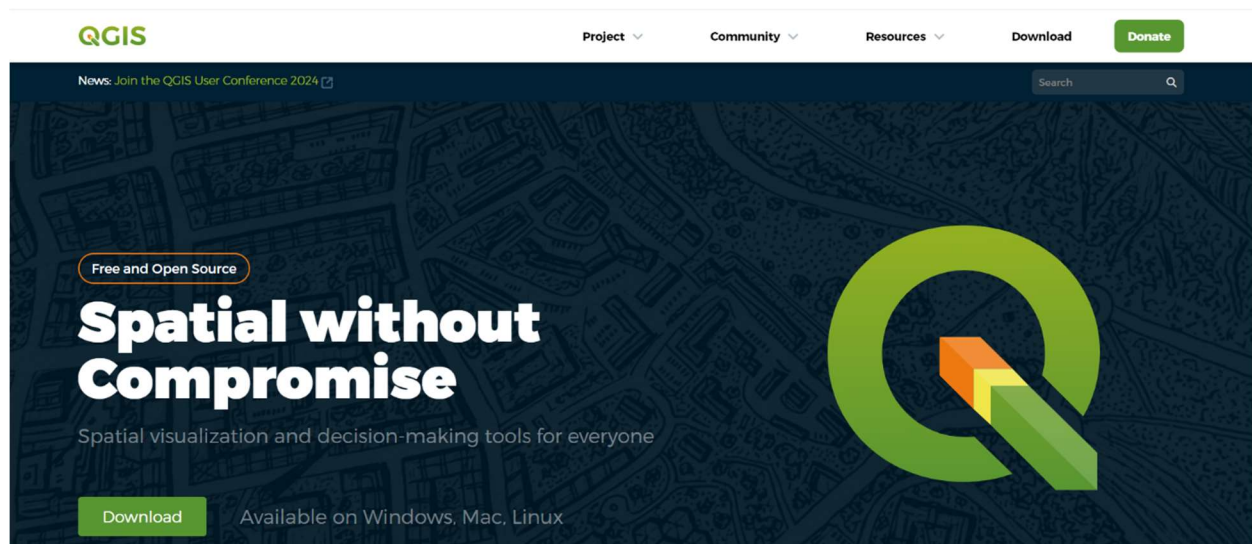
FAQ
How to cite QGIS? · @Manual{QGIS_software, · title = {QGIS ...

Discover QGIS
For Users - Map Examples - Applications - Case Studies - ...

[More results from qgis.org »](#)

Step Two:

- Click the Download button.
- Click the Skip it and go to download button.
- Select Long Term Version or Latest Version for your corresponding operating system.



- [Project](#)
- [Community](#)
- [Resources](#)
- [Funding](#)
- [Goodies](#)
- [Download](#)

Download QGIS for your platform

This page provides binary packages (installers).

The current version is QGIS 3.38.0 'Grenoble' and was released on 21.06.2024.

The long-term builds currently offer QGIS 3.34.8 'Prizren'.

QGIS is available on Windows, macOS, Linux, Android and iOS.

[Long Term Version for Windows \(3.34 LTR\)](#)
[Latest Version for Windows \(3.38\)](#)

The OSGeo4W installer is recommended for regular users or organization deployments. It allows to have several QGIS versions in one place, and to keep each component up-to-date individually without having to download the whole package.

[OSGeo4W Network Installer](#)

Since QGIS 3.20 we only ship 64-bit Windows executables.

Other platforms

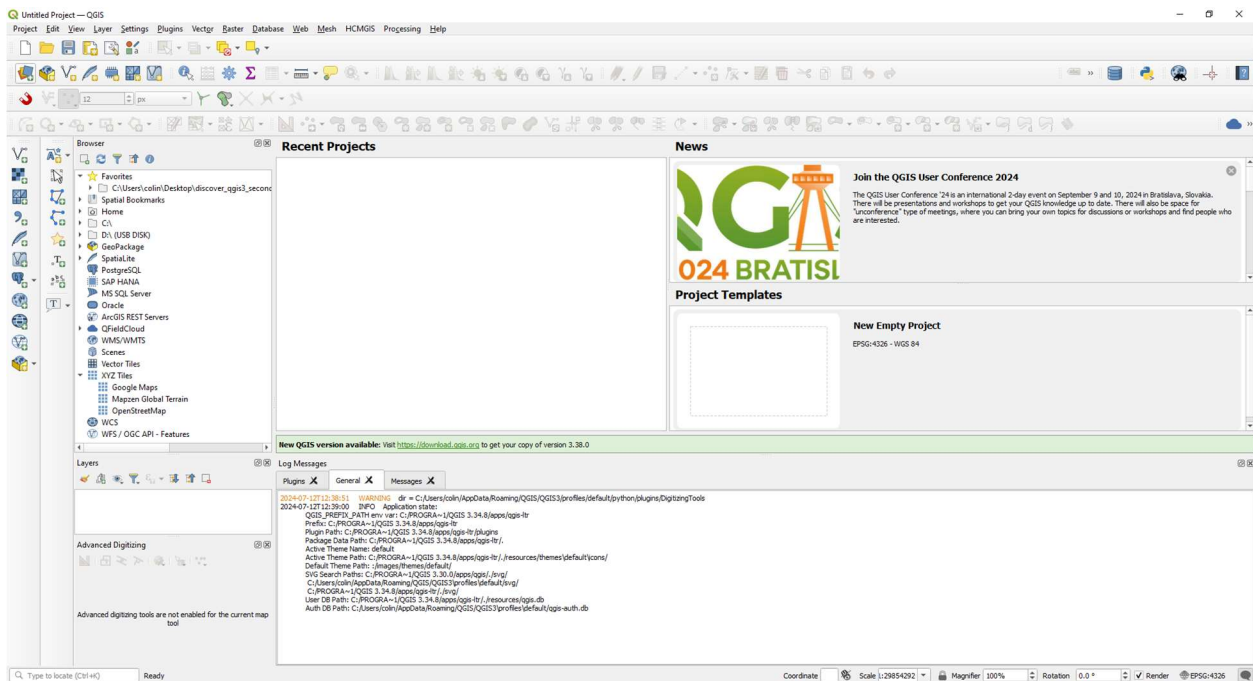
[Linux](#)
[macOS](#)
[Long Term Version for Mac OS \(3.34 LTR\)](#)
[Latest Version for Mac OS \(3.38\)](#)

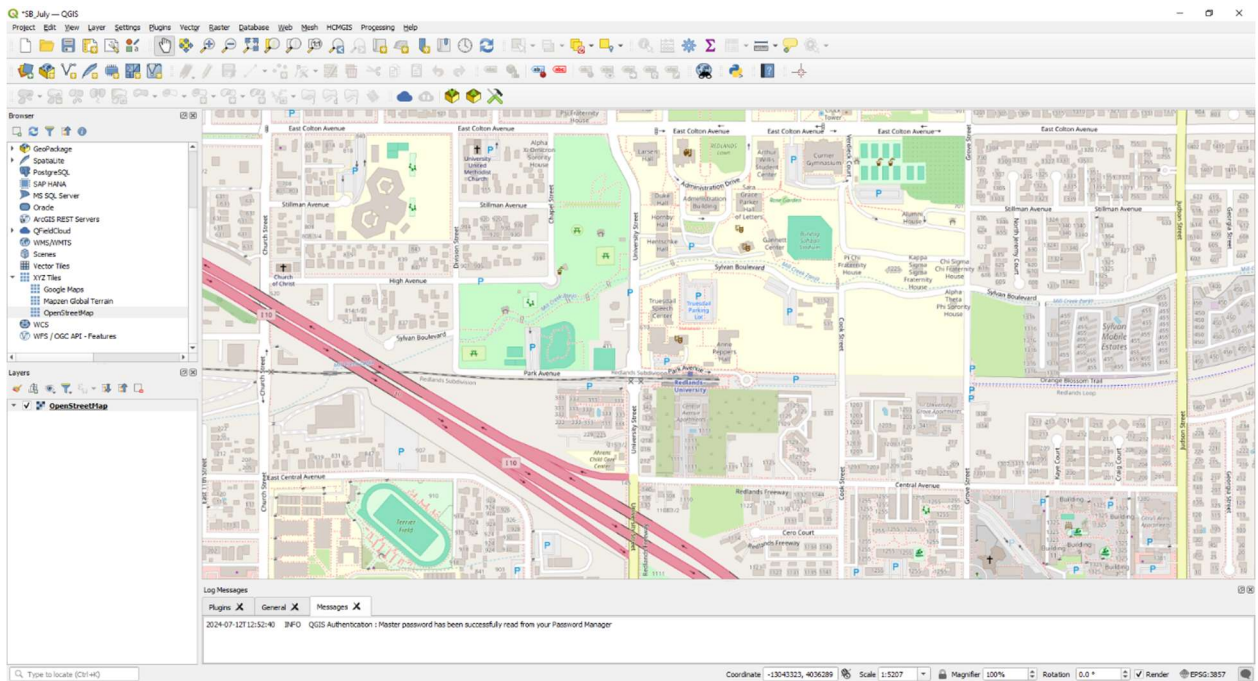
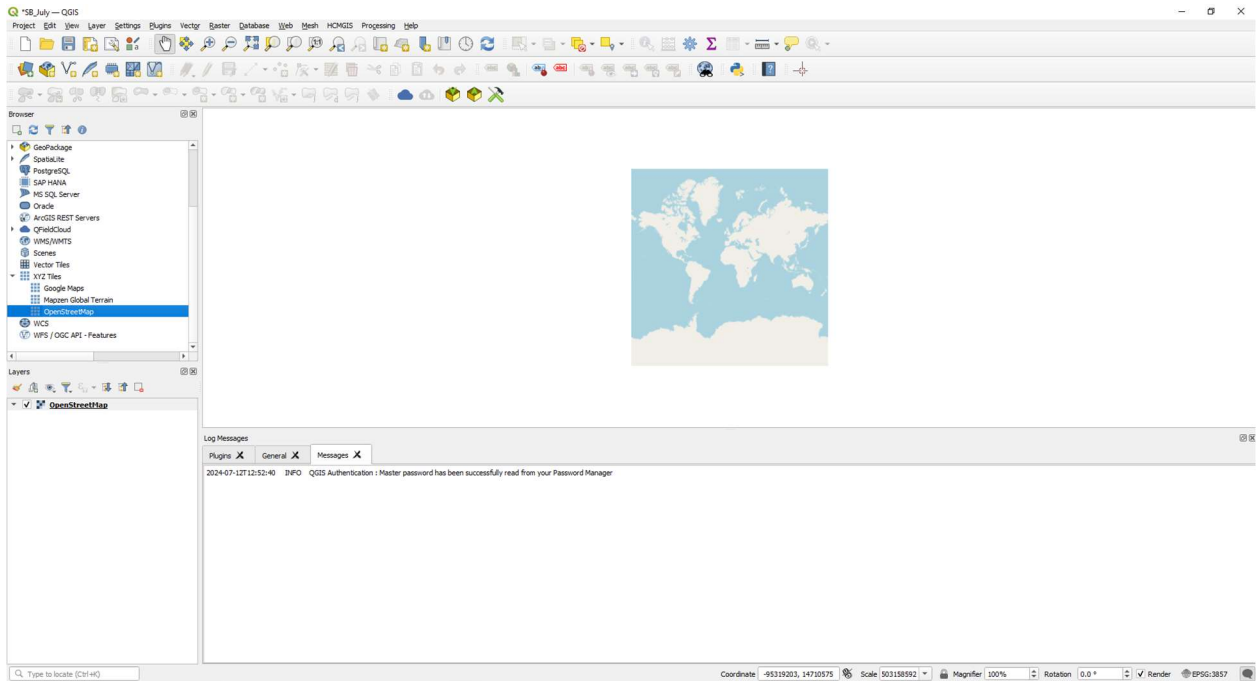
Alternatively, for native support of both Intel x86 and Apple ARM architectures, together with the latest versions of key components (e.g. GDAL, PDAL, GRASS GIS) see [MacPorts Installing Instructions](#)

Part Three: Creating a QGIS Project

Step One:

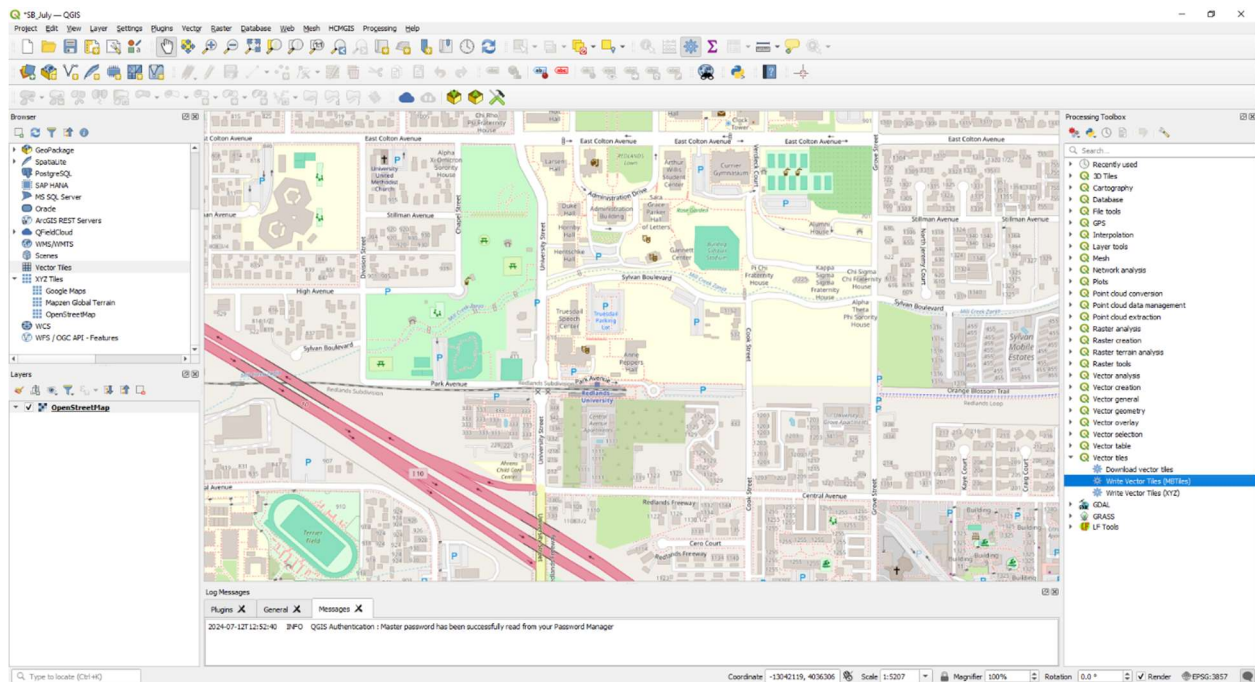
- Open QGIS
- From the Menu Toolbar select Project ➡ Save As
- From the Browser Panel select OpenStreetMap and drag it into the Layers Panel
- Zoom to an area of interest.





Step Two:

- Use Ctrl + Alt + T to open the Processing Toolbox
- Select Vector tiles ➡ Write Vector Tiles (MBTiles)



Write Vector Tiles (MBTiles)



ParametersLog

Input layers

0 vector layers selected

...

Minimum zoom level

0

Maximum zoom level

3

Extent [optional]

-13041854.5271,4036304.9676,4037298.3039 [EPSG:3857]

✖

📍

Metadata: Name [optional]

Metadata: Description [optional]

Metadata: Attribution [optional]

Metadata: Version [optional]

Metadata: Type [optional]

This algorithm exports one or more vector layers to vector tiles - a data format optimized for fast map rendering and small data size.

0%

Cancel

Advanced

Run as Batch Process...

Run

Close

Help

Write Vector Tiles (MBTiles)

ParametersLog

Metadata: Name [optional]

Metadata: Description [optional]

Metadata: Attribution [optional]

Metadata: Version [optional]

Metadata: Type [optional]

Metadata: Center [optional]

Destination MBTiles

[Save to temporary file]

...

✓ Open output file after running algorithm

This algorithm exports one or more vector layers to vector tiles - a data format optimized for fast map rendering and small data size.

0%

Cancel

Advanced

Run as Batch Process...

Run

Close

Help

Save file

📁 Downloads > Projects

Search Projects

OrganizeNew folder

Proton Drive

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

USB DISK (D:)

Libraries

USB DISK (D:)

Name

Date modified

No items match your search.

File name: FieldWork_July18

Save as type: MBTILES files (*.mbtiles)

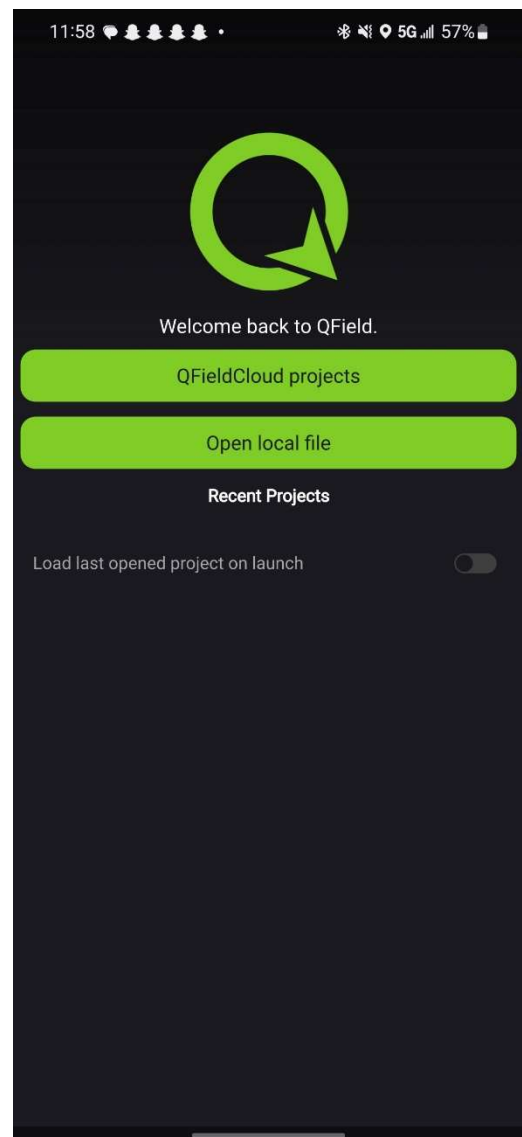
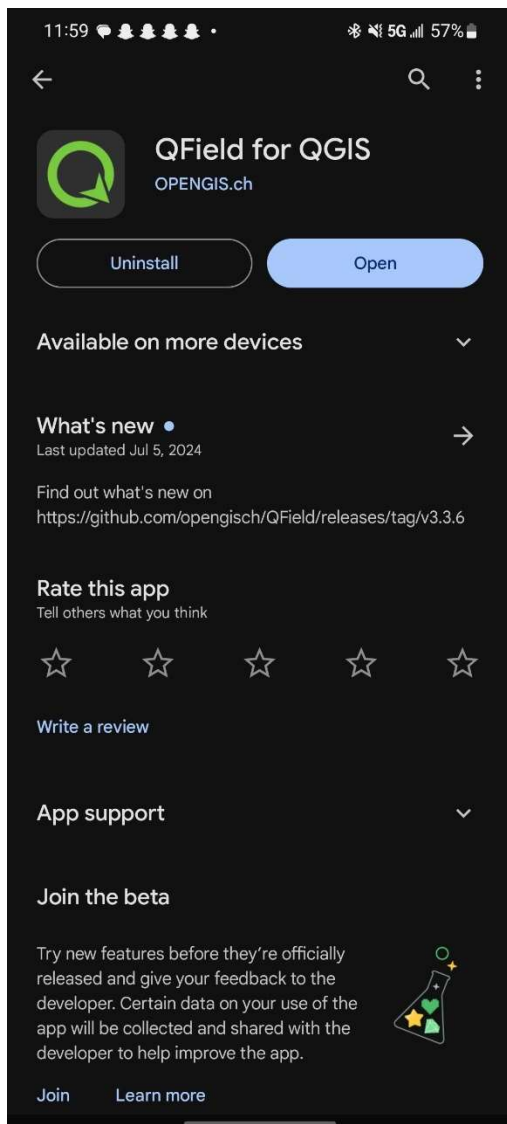
Save

Cancel

Part Four: Downloading and Using QField

Step One:

- Search for QField in your corresponding app store.
- Download QField.
- Open QField and press QFieldCloud projects.
- Sign into QFieldCloud



11:59

5G 57%



QFieldCloud Projects



Username or email

Password



Sign in

New user? [Register an account.](#)

The easiest way to transfer you project from QGIS to
your devices! [Learn more about QFieldCloud.](#)