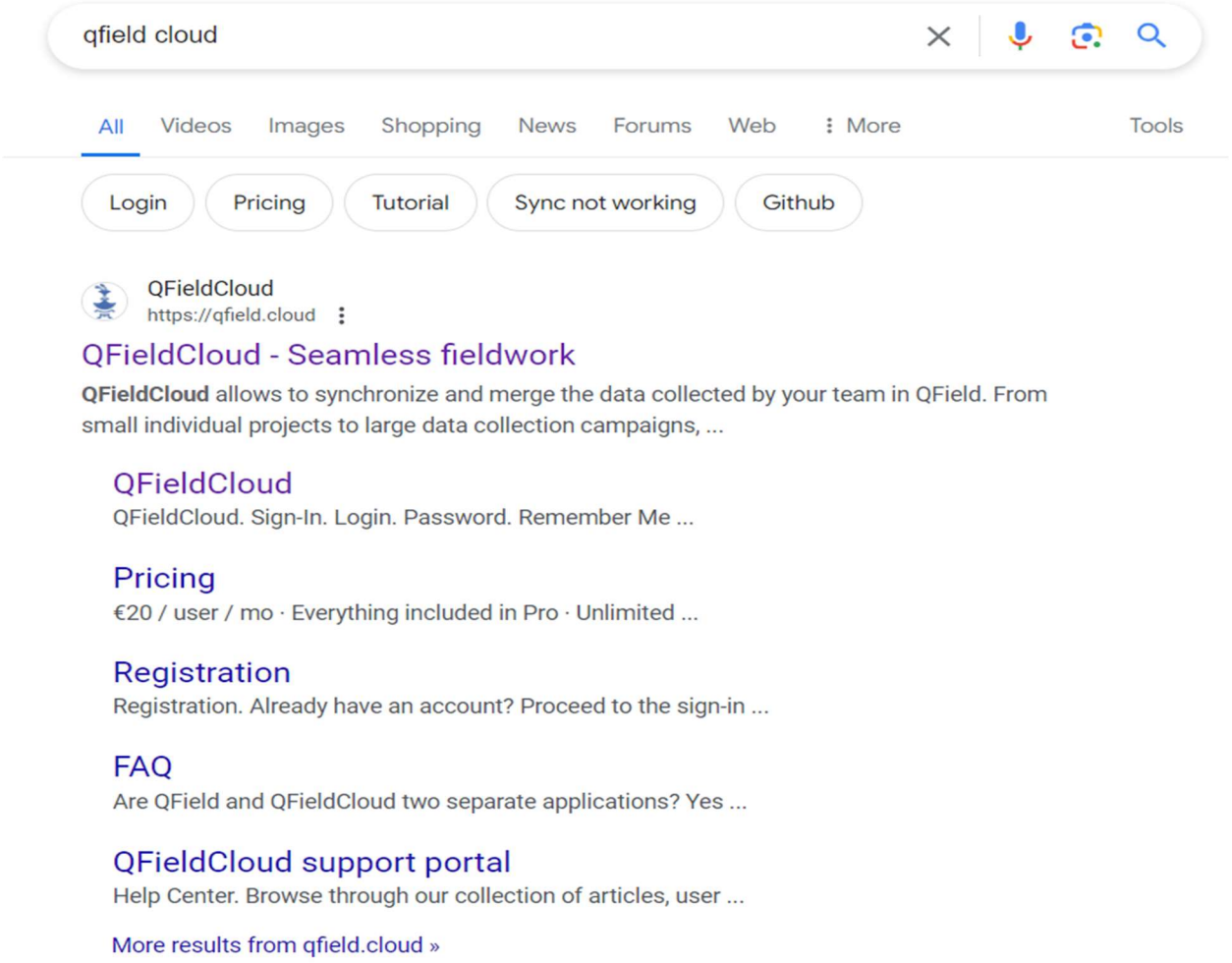
Guide for Using GIS in Cell Building

Part One: Creating a QFieldCloud account

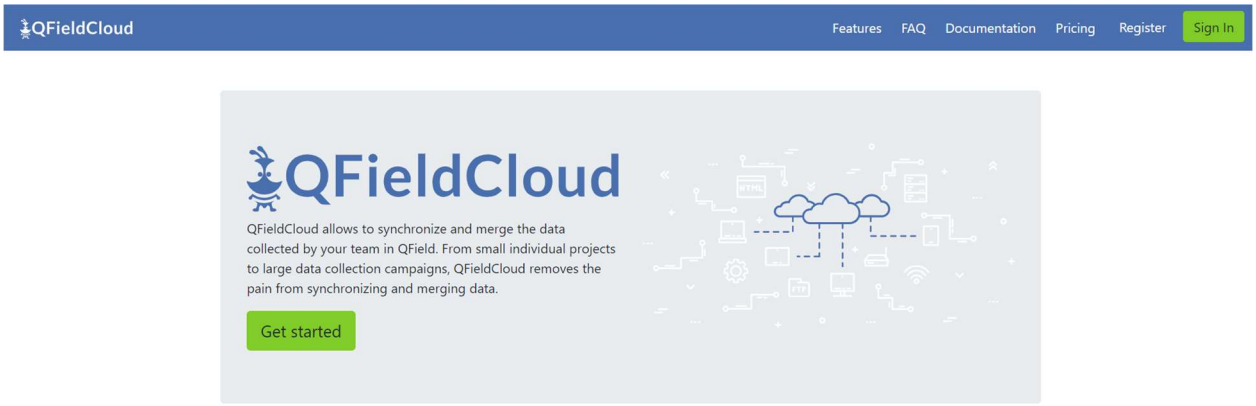
Step One:

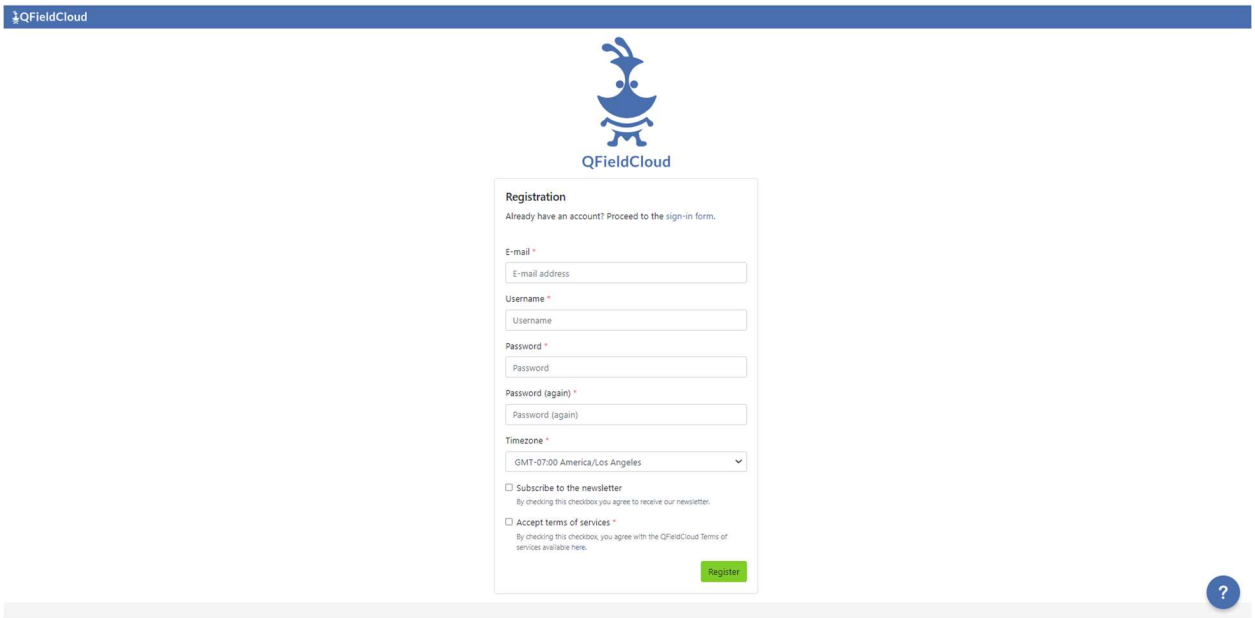
- Google “qfield cloud”
- Go to https://qfield.cloud/



Step Two:

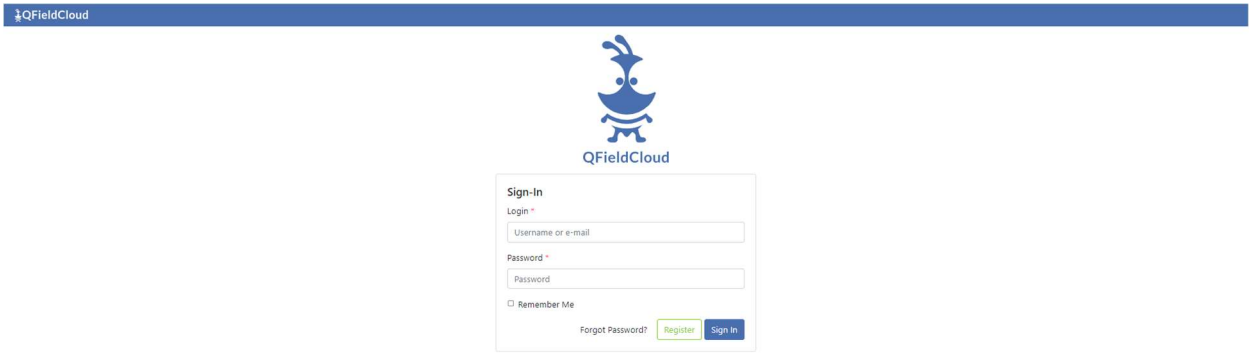
- Click the Register button to fill out a registration form.
- Accept the Terms of Services and click Register.





Step Three:

- Go back to the homepage and click Sign In.



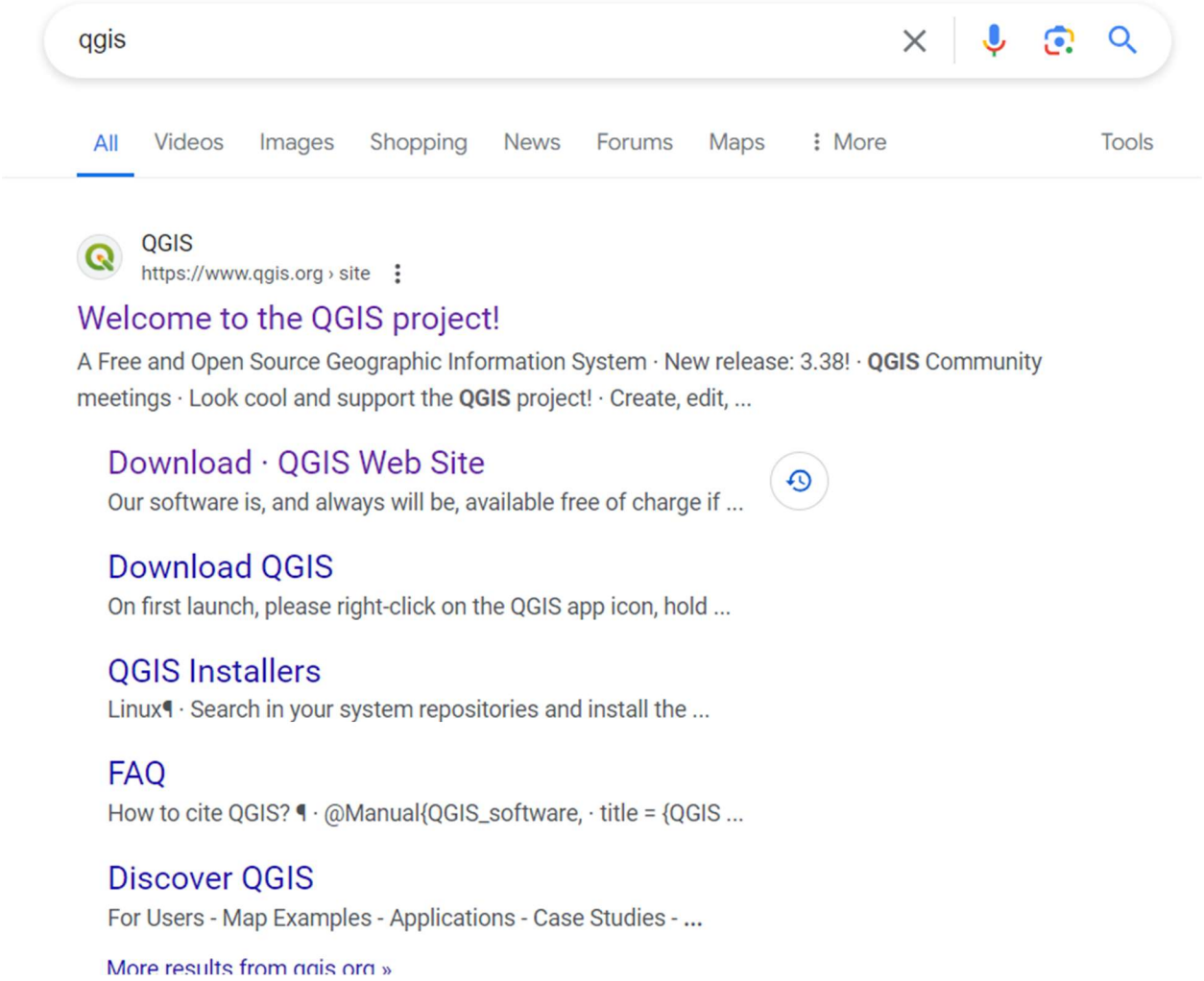
Note:

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

Part Two: Downloading QGIS

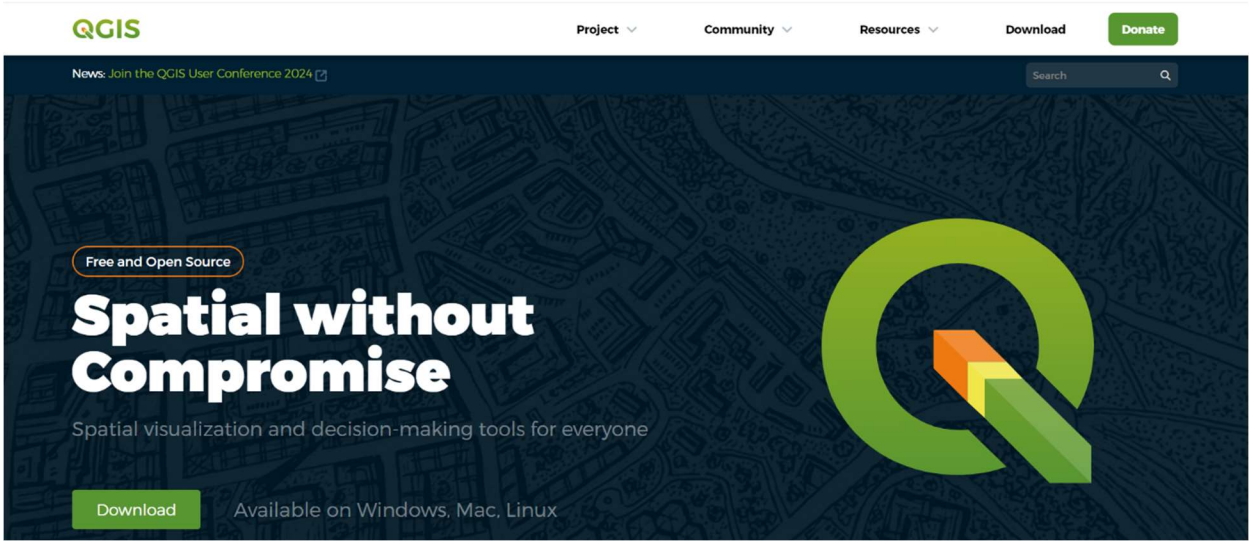
Step One:

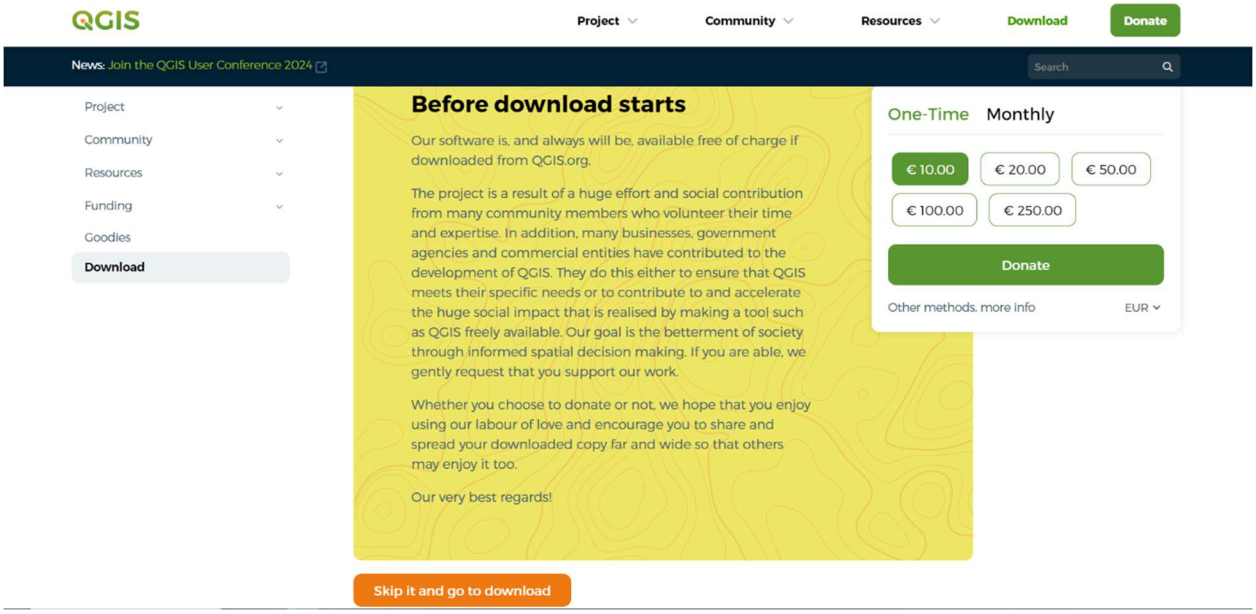
- Google “qgis”
- Go to https://www.qgis.org/

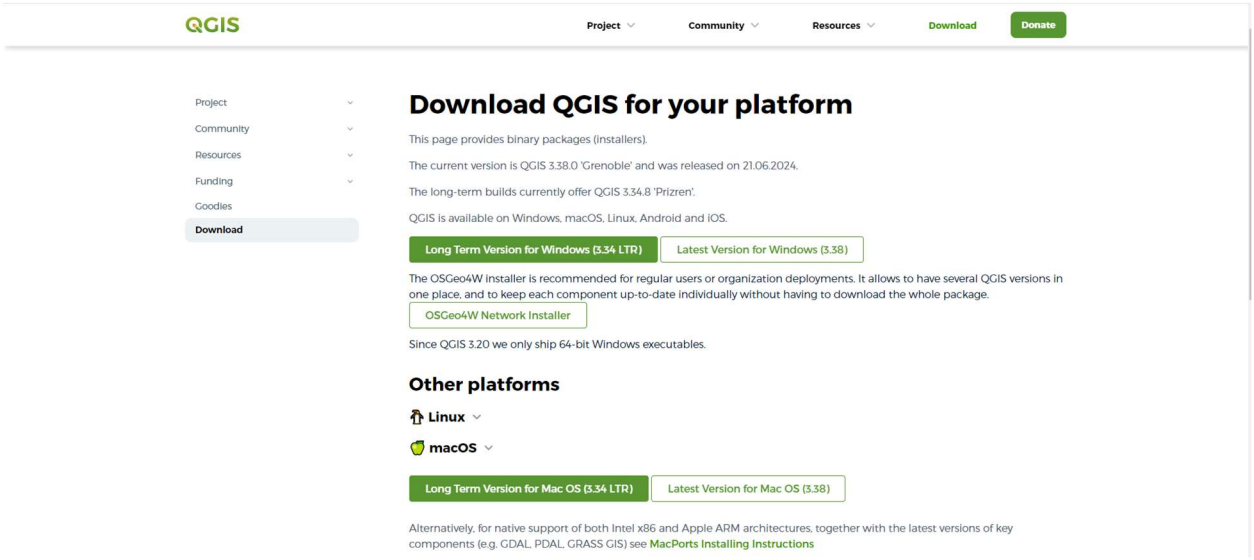


Step Two:

- 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.



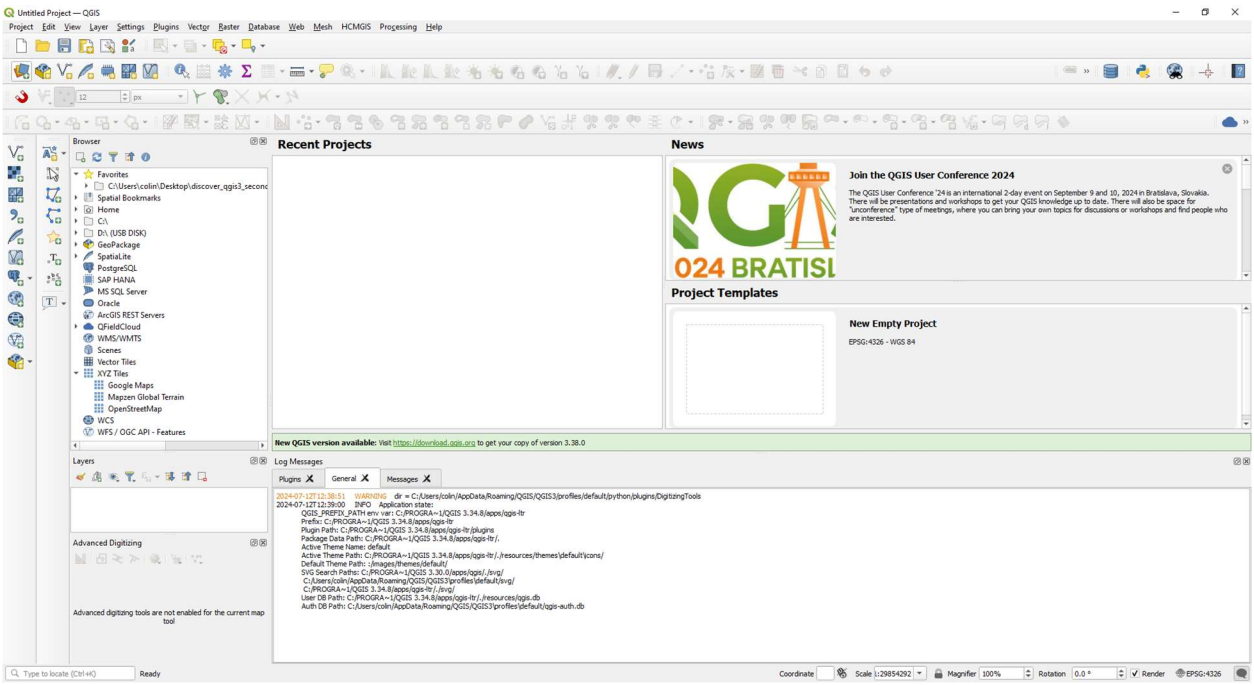


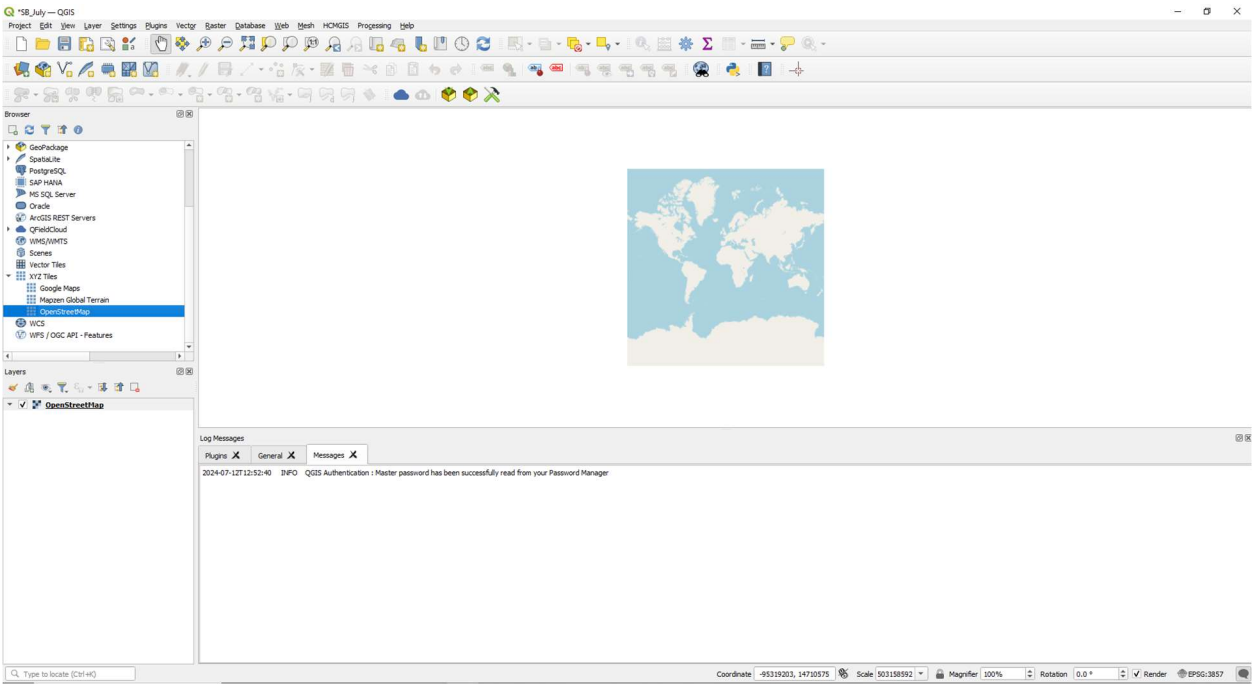

QGIS
Project
Community
Resources
Download
Donate
Project
Community
Resources
Funding
Goodies
Download
Download QGIS for your platform
This page provides binary packages (installers).
The current version is QGIS 3.38.0 'Grenoble' and was released on 21.06.2024.
The long-term builds currently offer QGIS 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

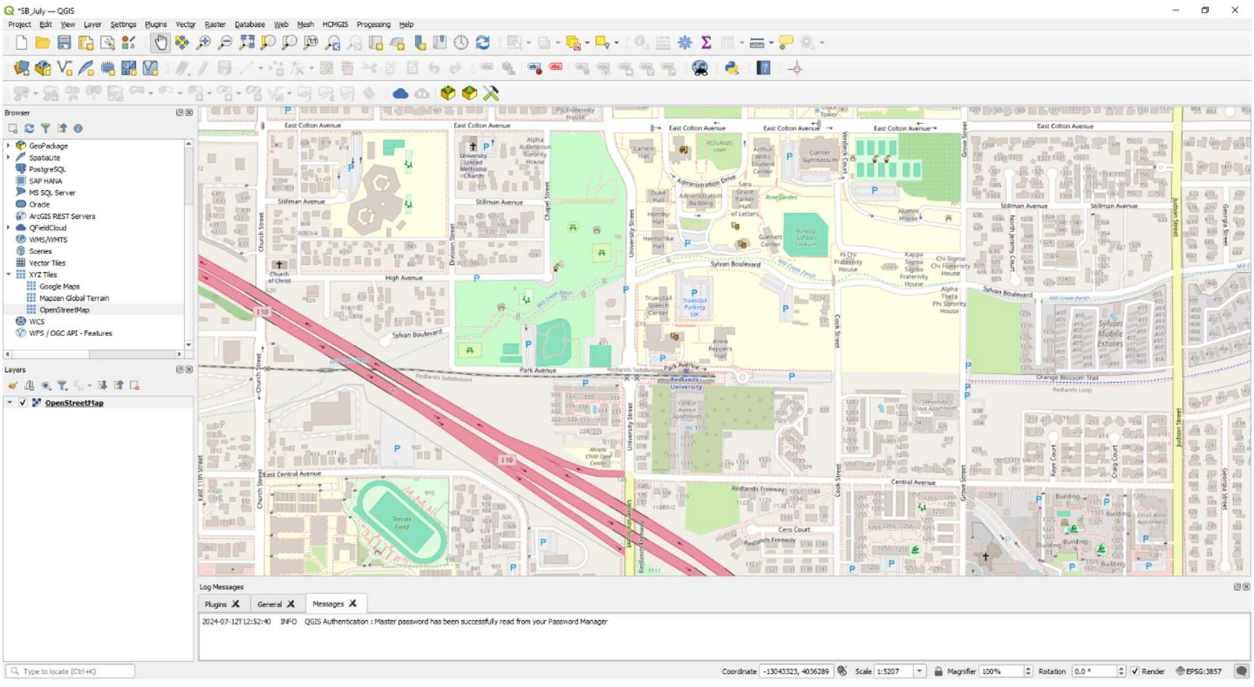
Part Three: Creating a QGIS Project

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.




*SB_July — QGIS
Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh HCMGIS Processing Help
Browser
GeoPackage
SpatiaLite
PostgreSQL
SAP HANA
MS SQL Server
Oracle
ArcGIS REST Servers
QFieldCloud
WMS/WMTS
Scenes
Vector Tiles
XYZ Tiles
Google Maps
Mapzen Global Terrain
OpenStreetMap
WCS
WFS / OGC API - Features
Layers
OpenStreetMap
Log Messages
Plugins
General
Messages
2024-07-12T12:52:40 INFO QGIS Authentication : Master password has been successfully read from your Password Manager
Type to locate (Ctrl+K)
Coordinate -95319203, 14710575
Scale 503158592
Magnifier 100%
Rotation 0.0 °
Render
EPSG:3857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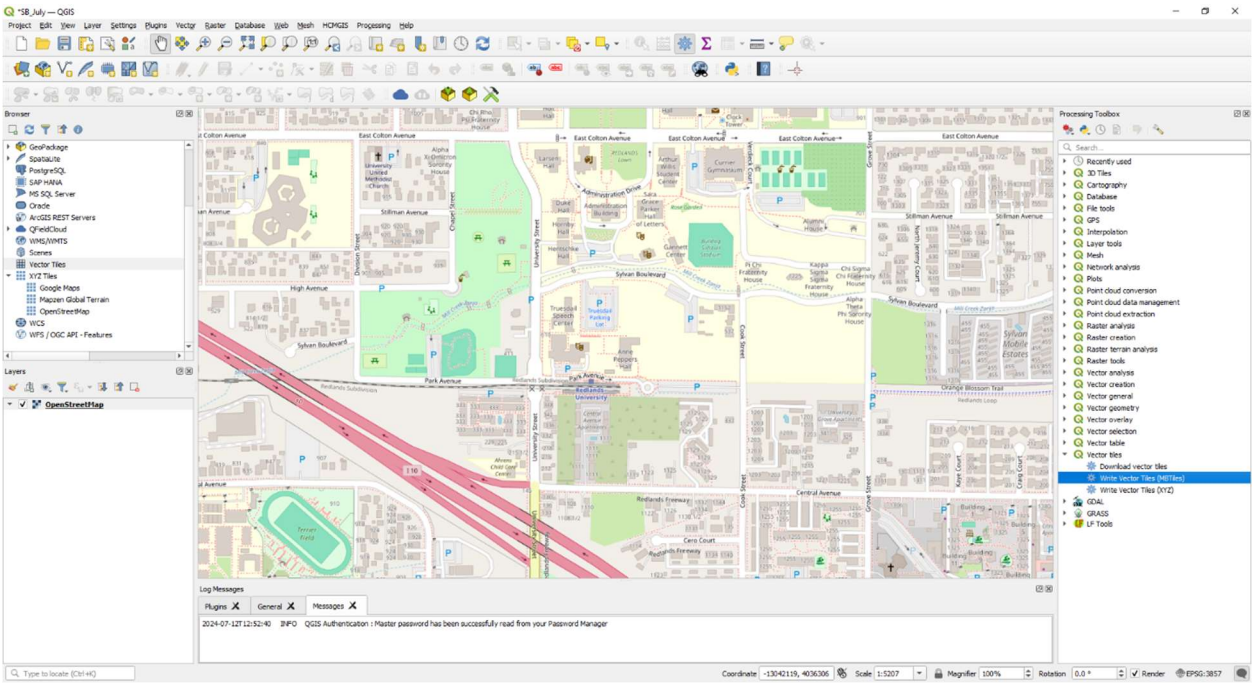
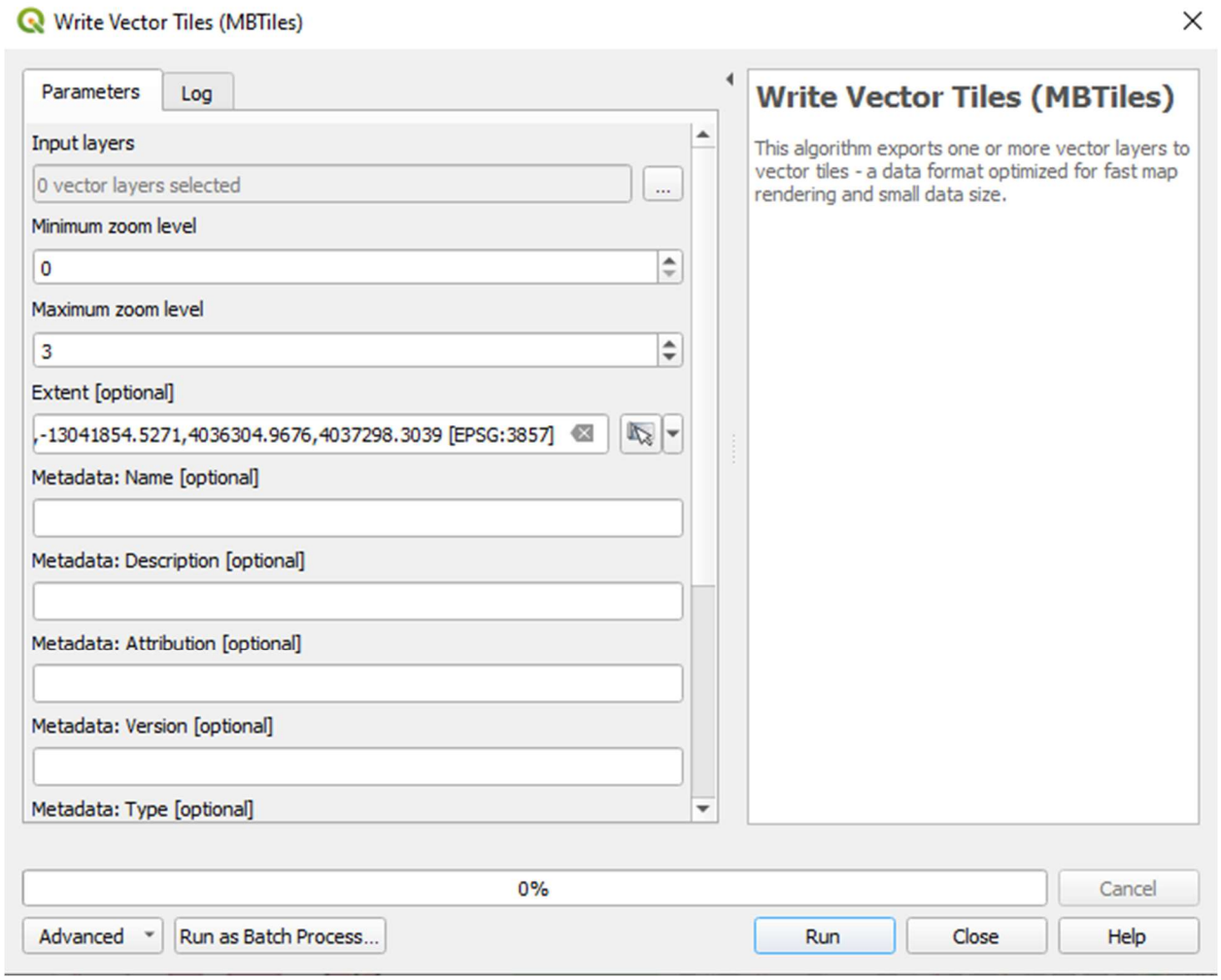
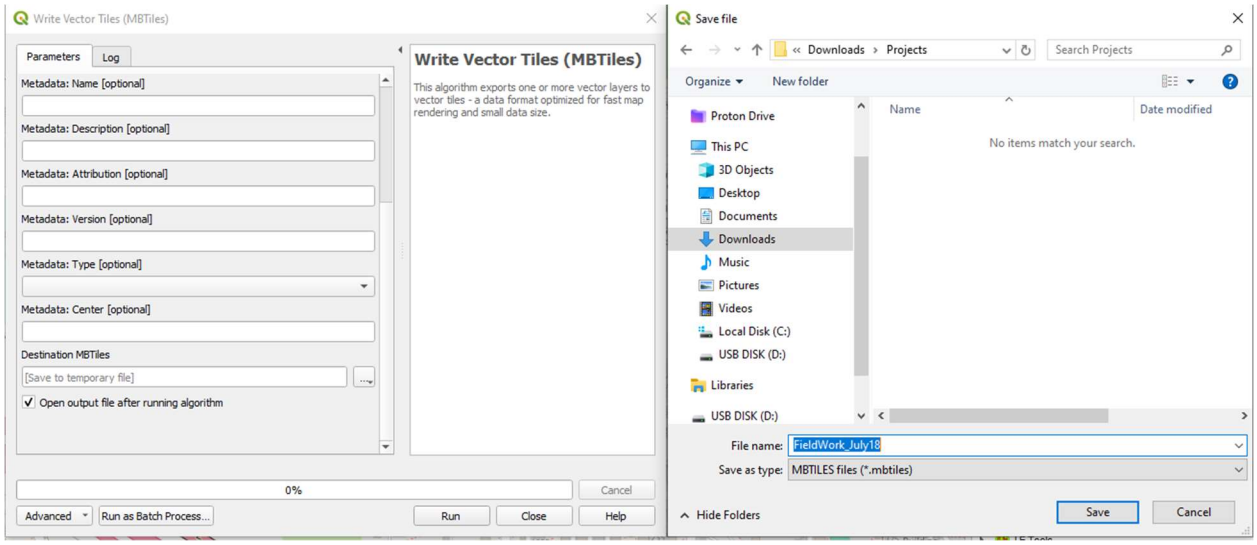
WMS/WMTS
Scenes
Vector Tiles
XYZ Tiles
Google Maps
Mapzen Global Terrain
OpenStreetMap
WCS
WFS / OGC API - Features
Layers
OpenStreetMap
East Colton Avenue
Stillman Avenue
High Avenue
Sylvan Boulevard
Park Avenue
Central Avenue
Redlands Freeway
Cero Court
Log Messages
Plugins
General
Messages
2024-07-12T12:52:40 INFO QGIS Authentication : Master password has been successfully read from your Password Manager
Type to locate (Ctrl+K)
Coordinate -13043323, 4036289
Scale 1:5207
Magnifier 100%
Rotation 0.0 °
Render
EPSG:3857

Step Two:

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



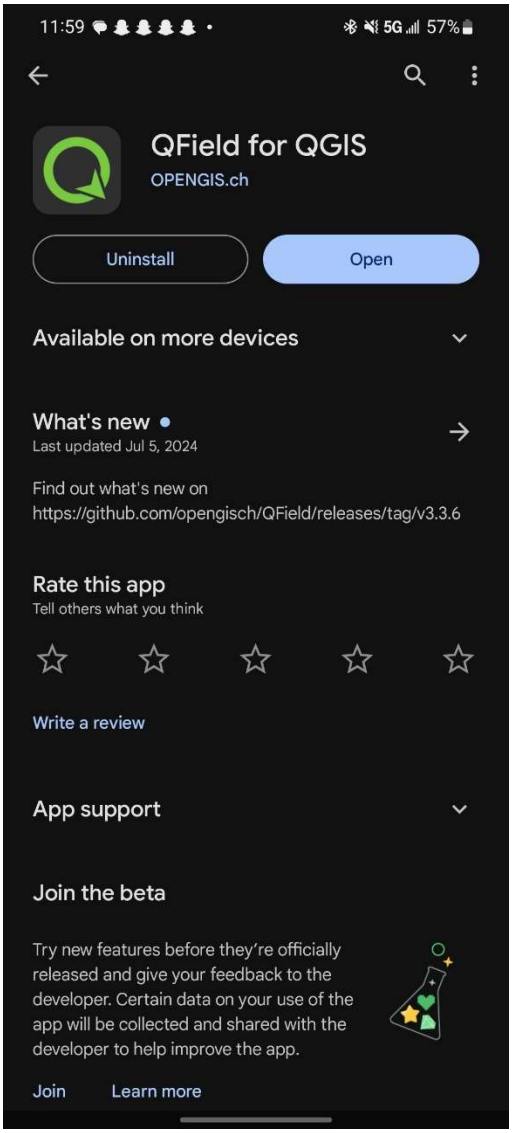

Write Vector Tiles (MBTiles)
Parameters
Log
Input layers
0 vector layers selected
Minimum zoom level
0
Maximum zoom level
3
Extent [optional]
,-13041854.5271,4036304.9676,4037298.3039 [EPSG:3857]
Metadata: Name [optional]
Metadata: Description [optional]
Metadata: Attribution [optional]
Metadata: Version [optional]
Metadata: Type [optional]
Write Vector Tiles (MBTiles)
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

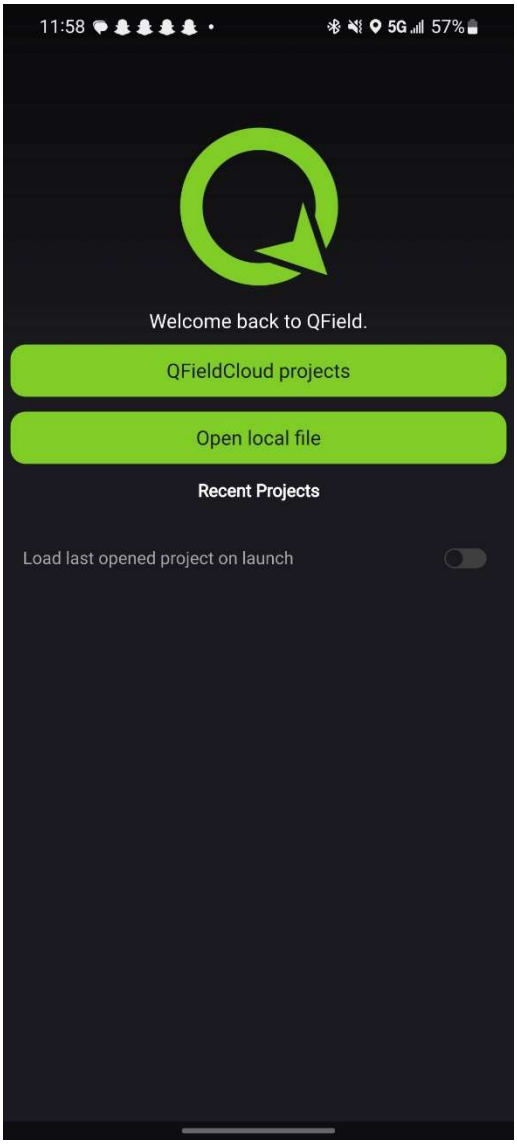

Write Vector Tiles (MBTiles)
Parameters
Log
Metadata: Name [optional]
Metadata: Description [optional]
Metadata: Attribution [optional]
Metadata: Version [optional]
Metadata: Type [optional]
Metadata: Center [optional]
Destination MBTiles
[Save to temporary file]
Open output file after running algorithm
Write Vector Tiles (MBTiles)
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
Organize
New 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)
Hide Folders
Save
Cancel

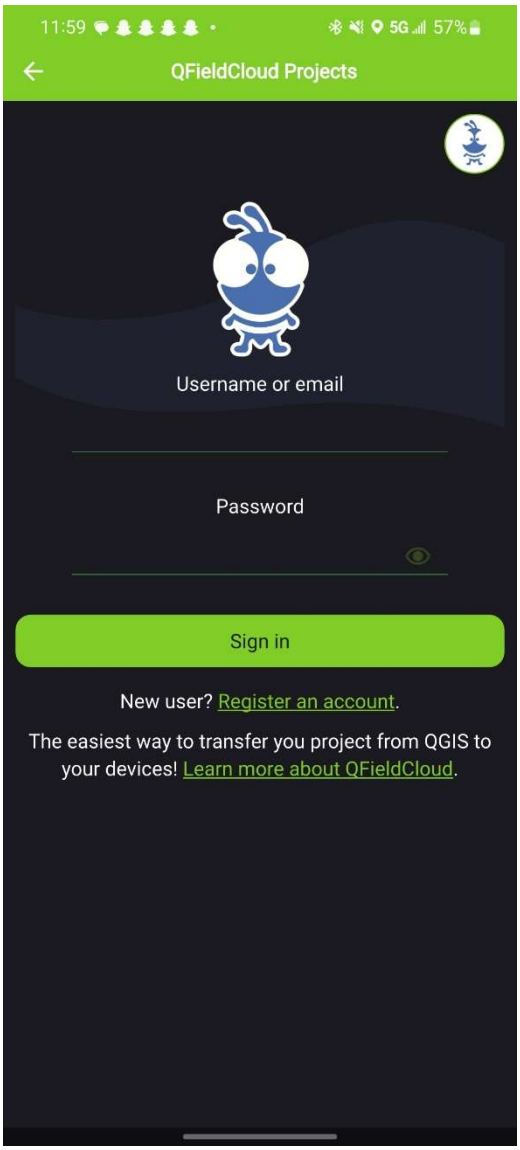
Part Four: Downloading and Using QField

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.