THINK OPEN, THINK FUTURE

Field to Web via QGIS

An Example of OpenSource Possibilities in GIS

OPENGIS.ch
ANDROID · [Q]GIS · WEB

marco@opengis.ch
@mbernasocchi

OPENGIS.ch LLC

Developers, Consultants and Teachers

QField creators, QGIS Core committers

QGIS, QField, PostGIS, Android,

C++, Python, Web, ...

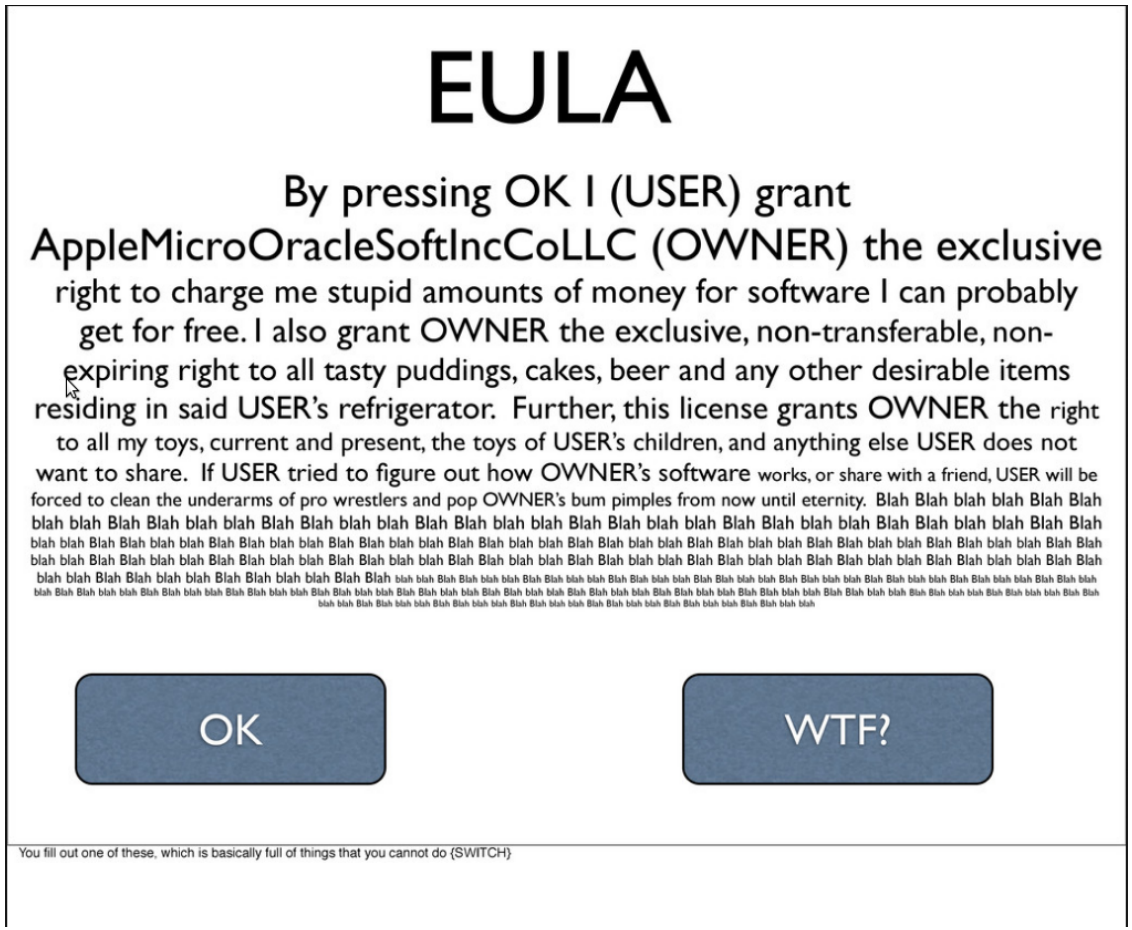
info@opengis.ch

OPENGIS.ch
ANDROID · [Q]GIS · WEB

This Talk

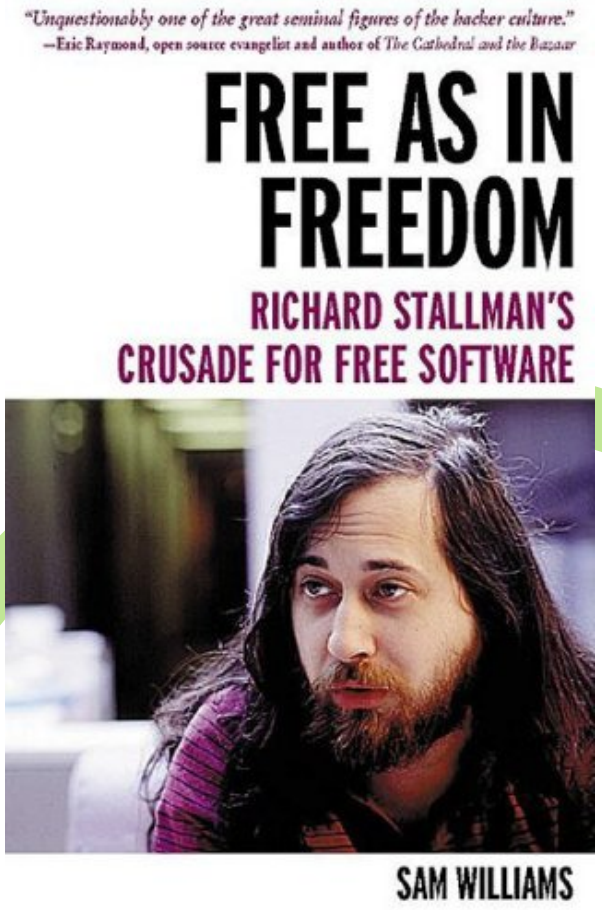
- Open What?? Open Source!
- Does that do polygons also?
- From the field to the web
- Discussion & questions

Closed Source



Free/Libre Open Source Software

- Free to: Use, Learn, Change, Share
- “free software” is a matter of liberty, not **only** price. To understand the concept, you should think of “free” as in “free speech,” not as in “free beer”.



OSGeo.org

Is the reference organization

http://live.osgeo.org (Live DVD/USB stick) whit many GIS related open source software

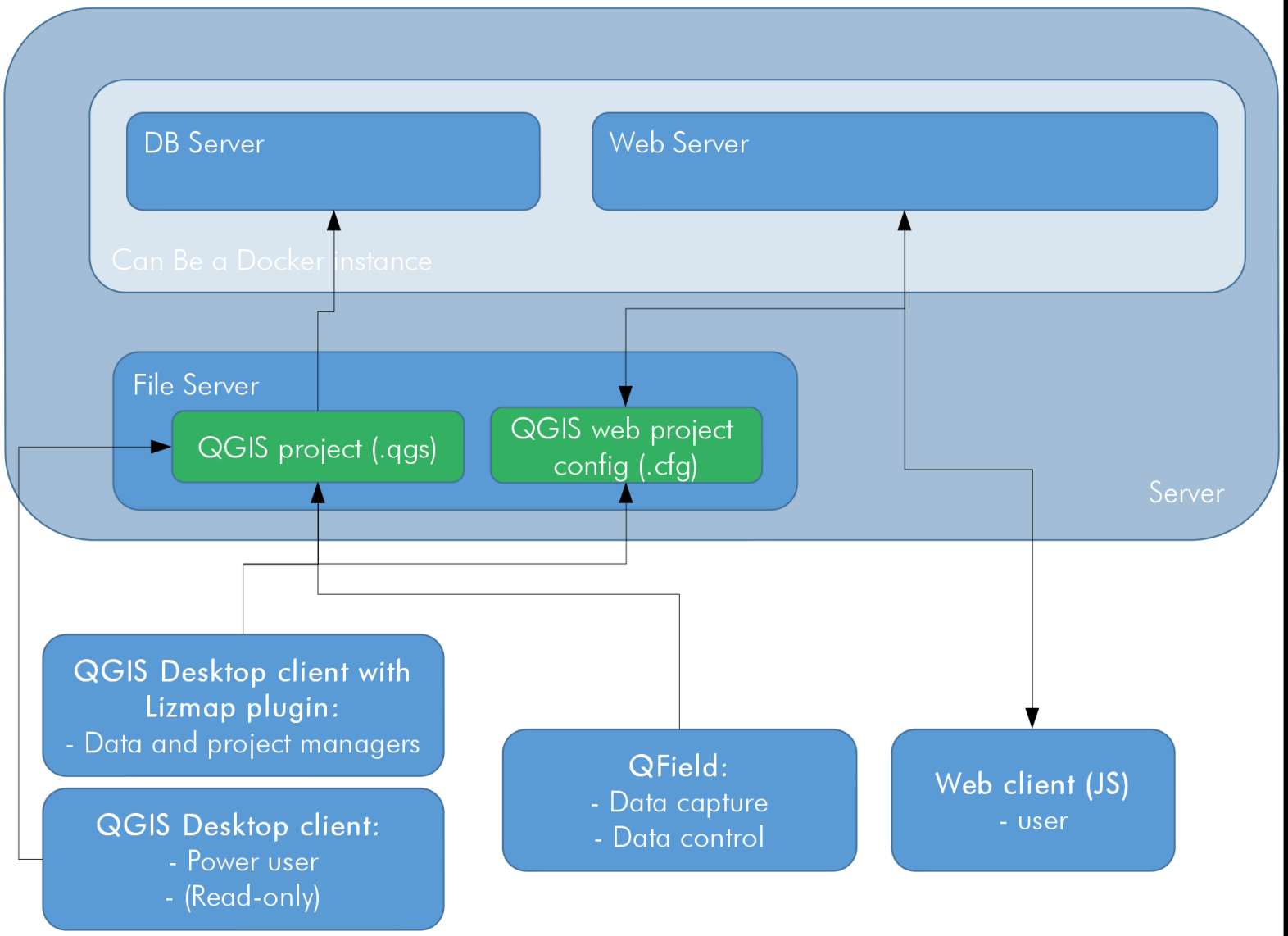
Guarantees Quality and Long term Commitment

Official and “In Incubation” Projects

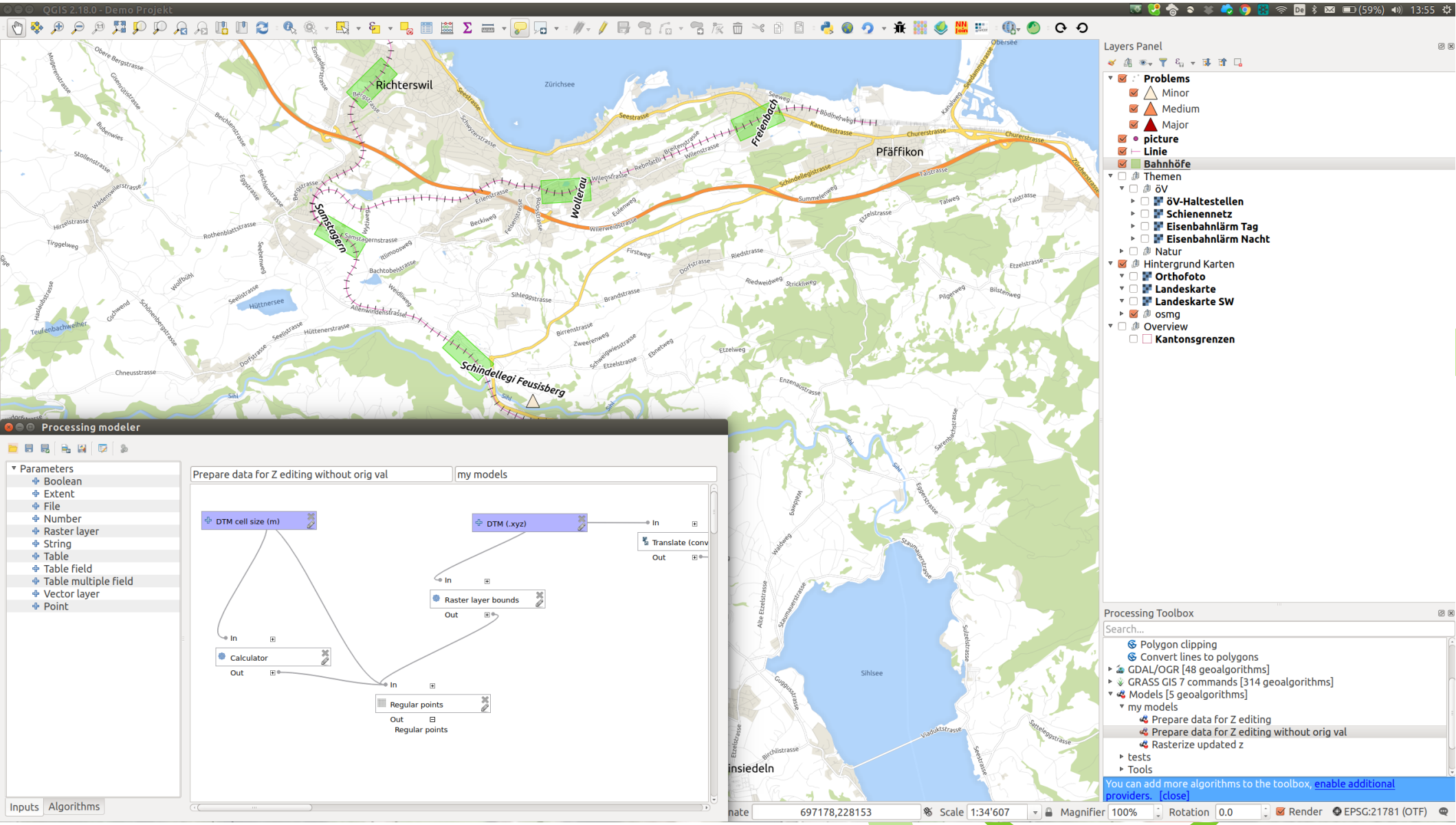
Why FOSSGIS?

- Flexibility
- Speed of Development
- Ability to influence a project
- Cost sharing
- Scalability: No per-seat licensing costs
- Reuse instead of re-inventing the wheel
- More interesting and rewarding jobs

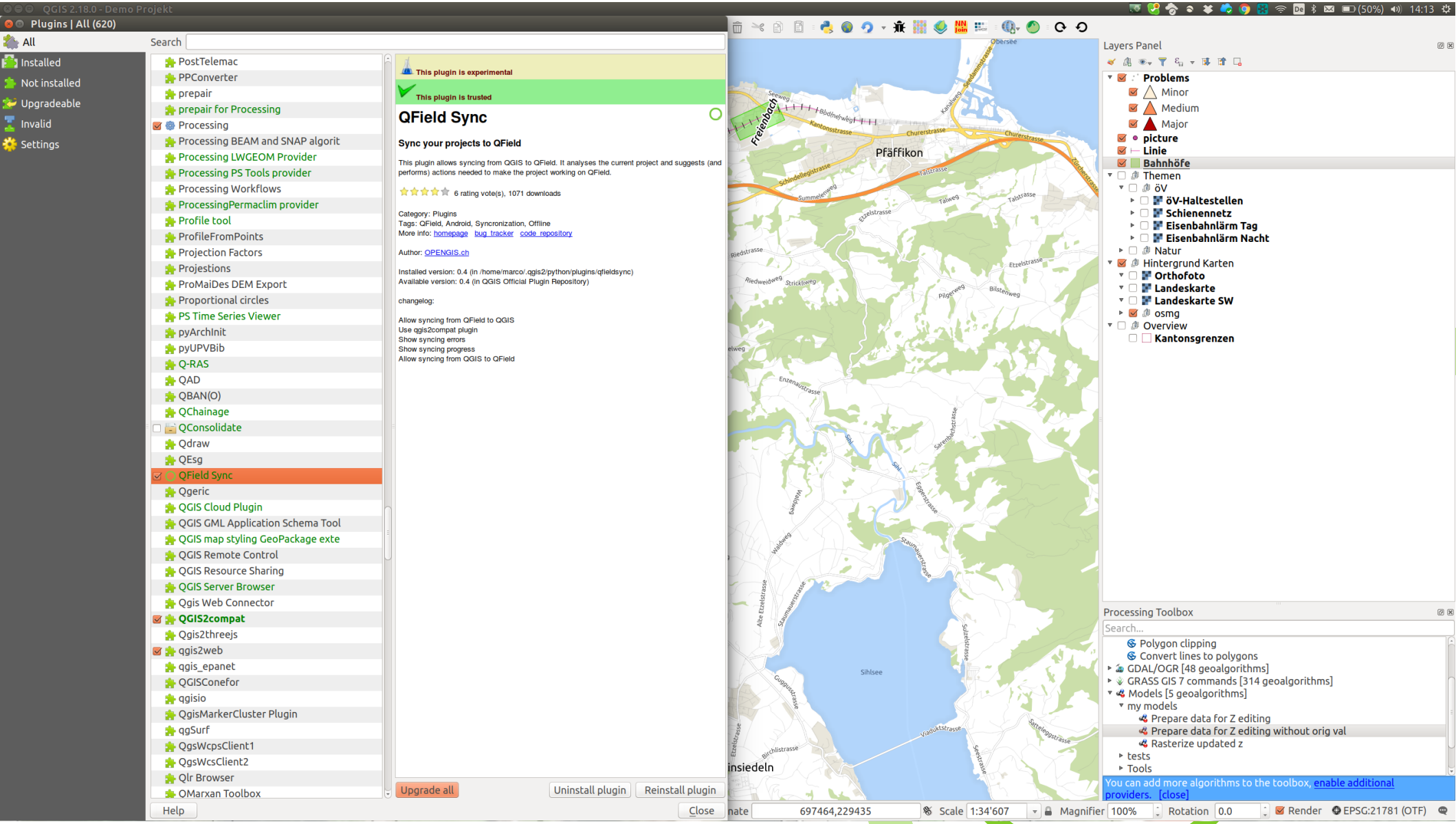
Field to web using a QGIS stack



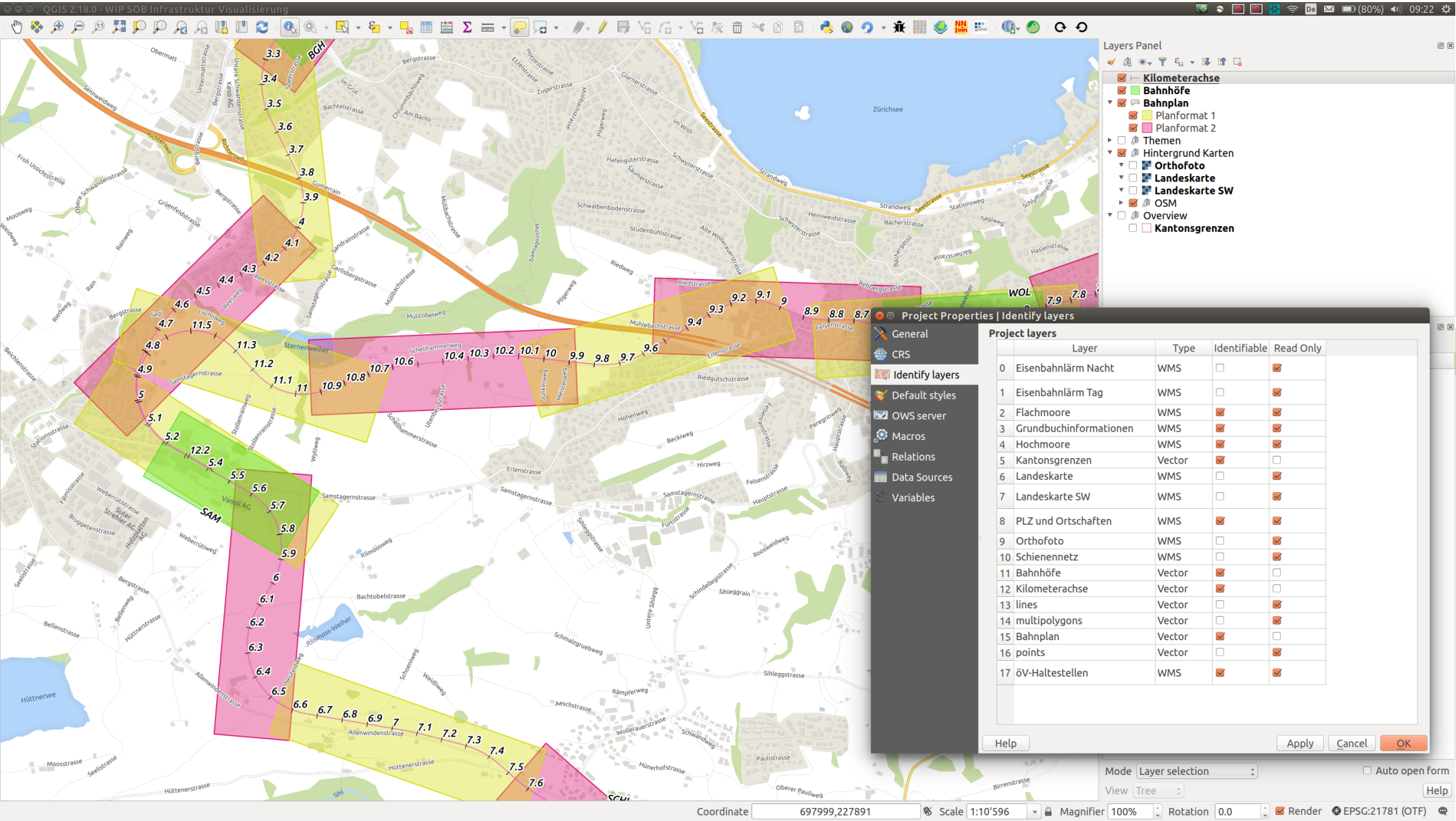
QGIS – Fully fledged GIS



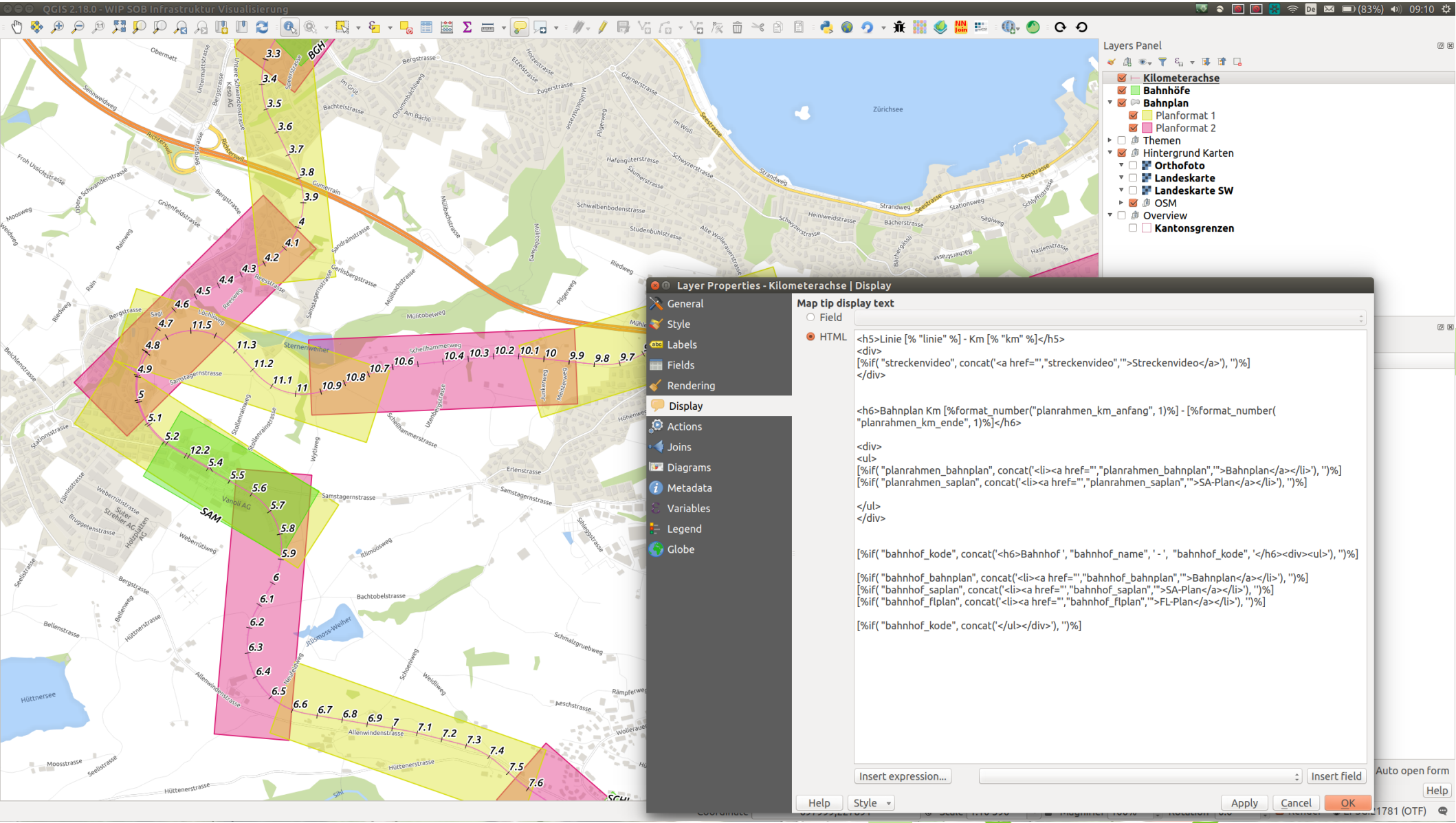
QGIS – Plugins



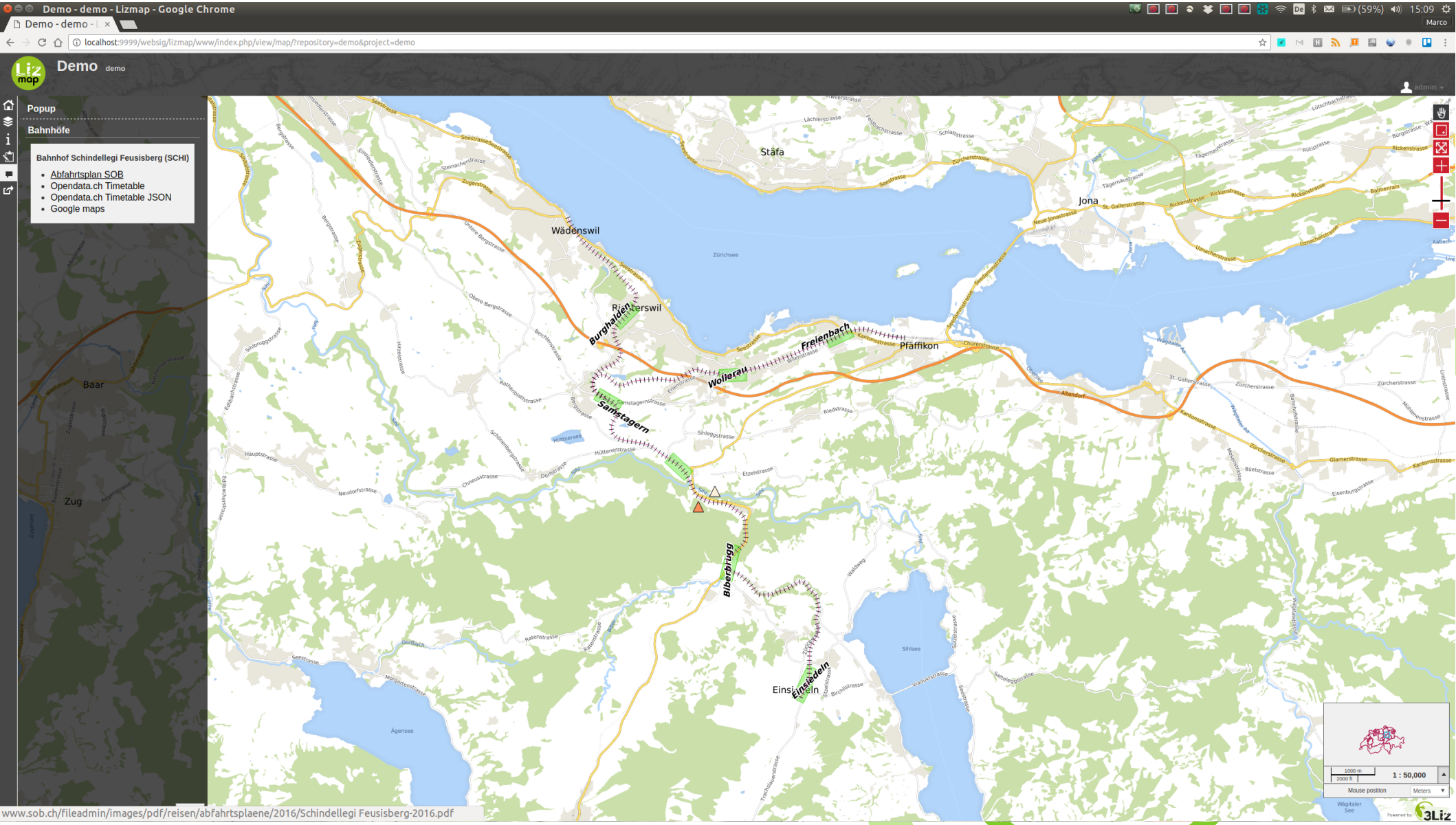
QGIS – project configuration



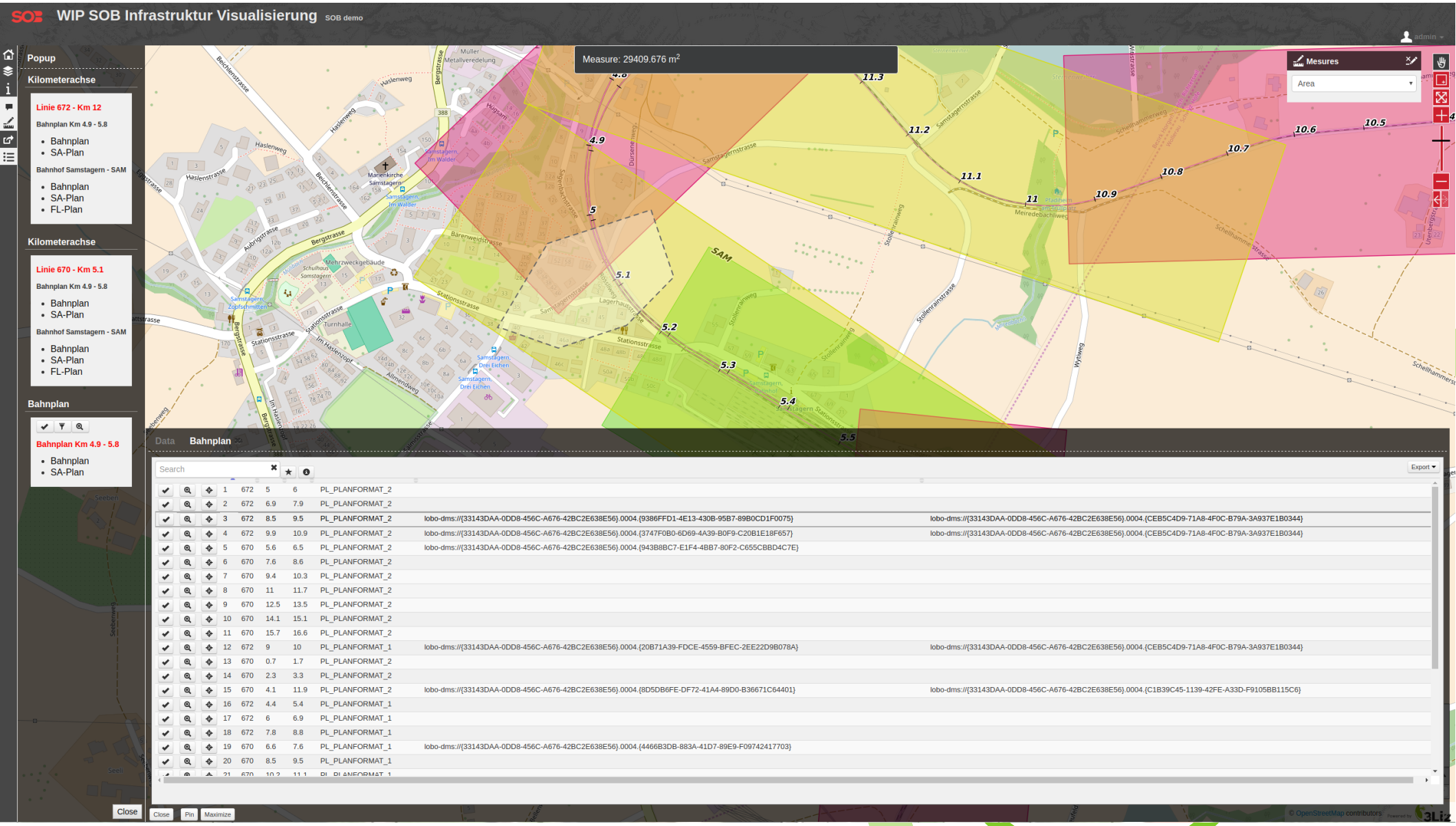
QGIS – popup configuration



LizMap – WebGIS popup



LizMap – WebGIS data table



1	672	5	6	PL_PLANFORMAT_2		
2	672	6.9	7.9	PL_PLANFORMAT_2		
3	672	8.5	9.5	PL_PLANFORMAT_2	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{9386FFD1-4E13-430B-95B7-89B0CD1F0075}	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{CEB5C4D9-71A8-4F0C-B79A-3A937E1B0344}
4	672	9.9	10.9	PL_PLANFORMAT_2	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{3747F0B0-6D69-4A39-B0F9-C20B1E18F657}	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{CEB5C4D9-71A8-4F0C-B79A-3A937E1B0344}
5	670	5.6	6.5	PL_PLANFORMAT_2	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{943B8BC7-E1F4-4BB7-80F2-C655CBBD4C7E}	
6	670	7.6	8.6	PL_PLANFORMAT_2		
7	670	9.4	10.3	PL_PLANFORMAT_2		
8	670	11	11.7	PL_PLANFORMAT_2		
9	670	12.5	13.5	PL_PLANFORMAT_2		
10	670	14.1	15.1	PL_PLANFORMAT_2		
11	670	15.7	16.6	PL_PLANFORMAT_2		
12	672	9	10	PL_PLANFORMAT_1	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{20B71A39-FDCE-4559-BFEC-2EE22D9B078A}	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{CEB5C4D9-71A8-4F0C-B79A-3A937E1B0344}
13	670	0.7	1.7	PL_PLANFORMAT_2		
14	670	2.3	3.3	PL_PLANFORMAT_2		
15	670	4.1	11.9	PL_PLANFORMAT_2	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{8D5DB6FE-DF72-41A4-89D0-B36671C64401}	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{C1B39C45-1139-42FE-A33D-F9105BB115C6}
16	672	4.4	5.4	PL_PLANFORMAT_1		
17	672	6	6.9	PL_PLANFORMAT_1		
18	672	7.8	8.8	PL_PLANFORMAT_1		
19	670	6.6	7.6	PL_PLANFORMAT_1	lobo-dms://{33143DAA-0DD8-456C-A676-42BC2E638E56}.0004.{4466B3DB-883A-41D7-89E9-F09742417703}	
20	670	8.5	9.5	PL_PLANFORMAT_1		

QField

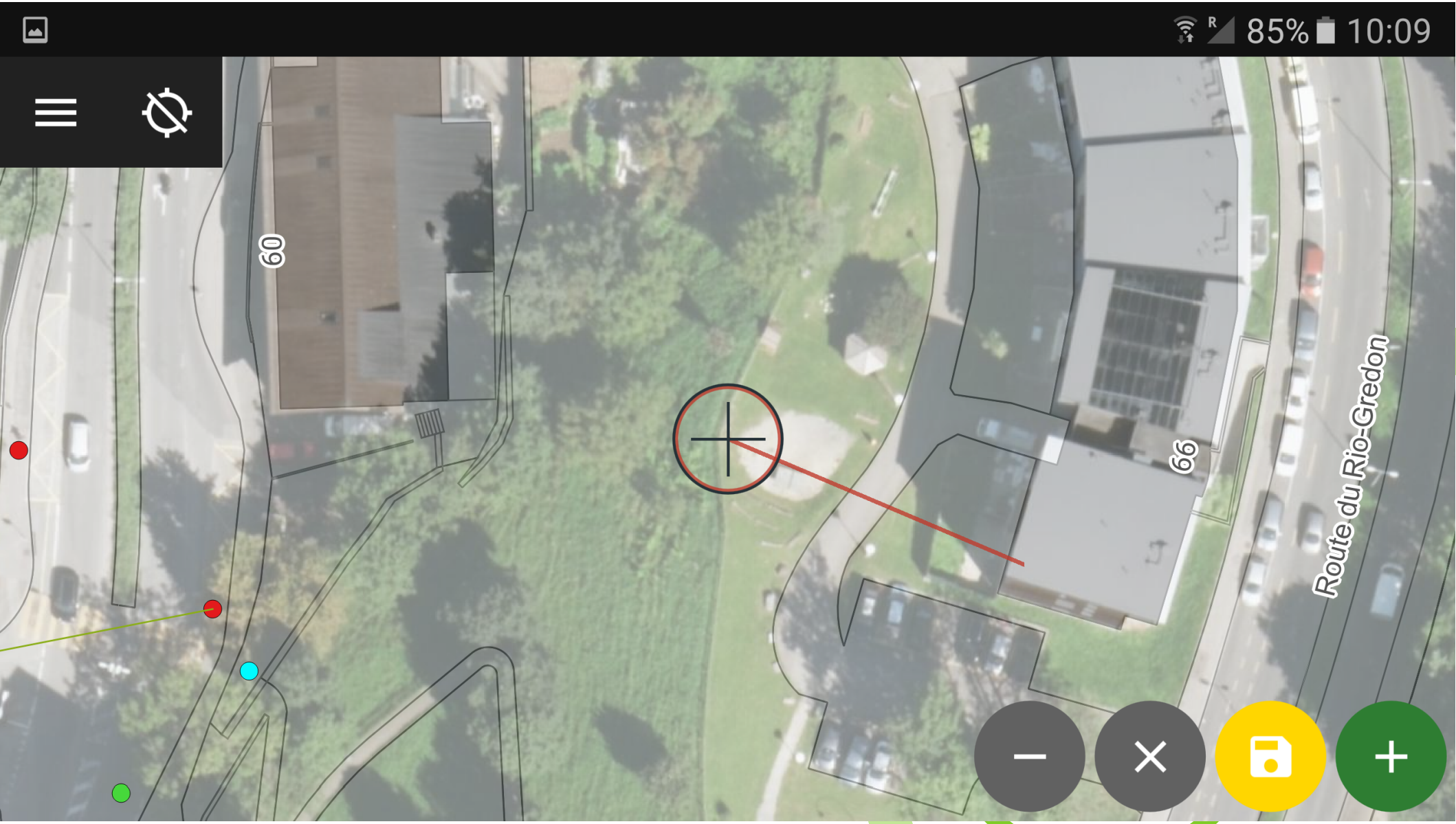
- Powerful rendering engine
- Configuration options
- Data providers
- Simplified User Interface
- QGIS First!!

OPENGIS.ch
ANDROID · [Q]GIS · WEB

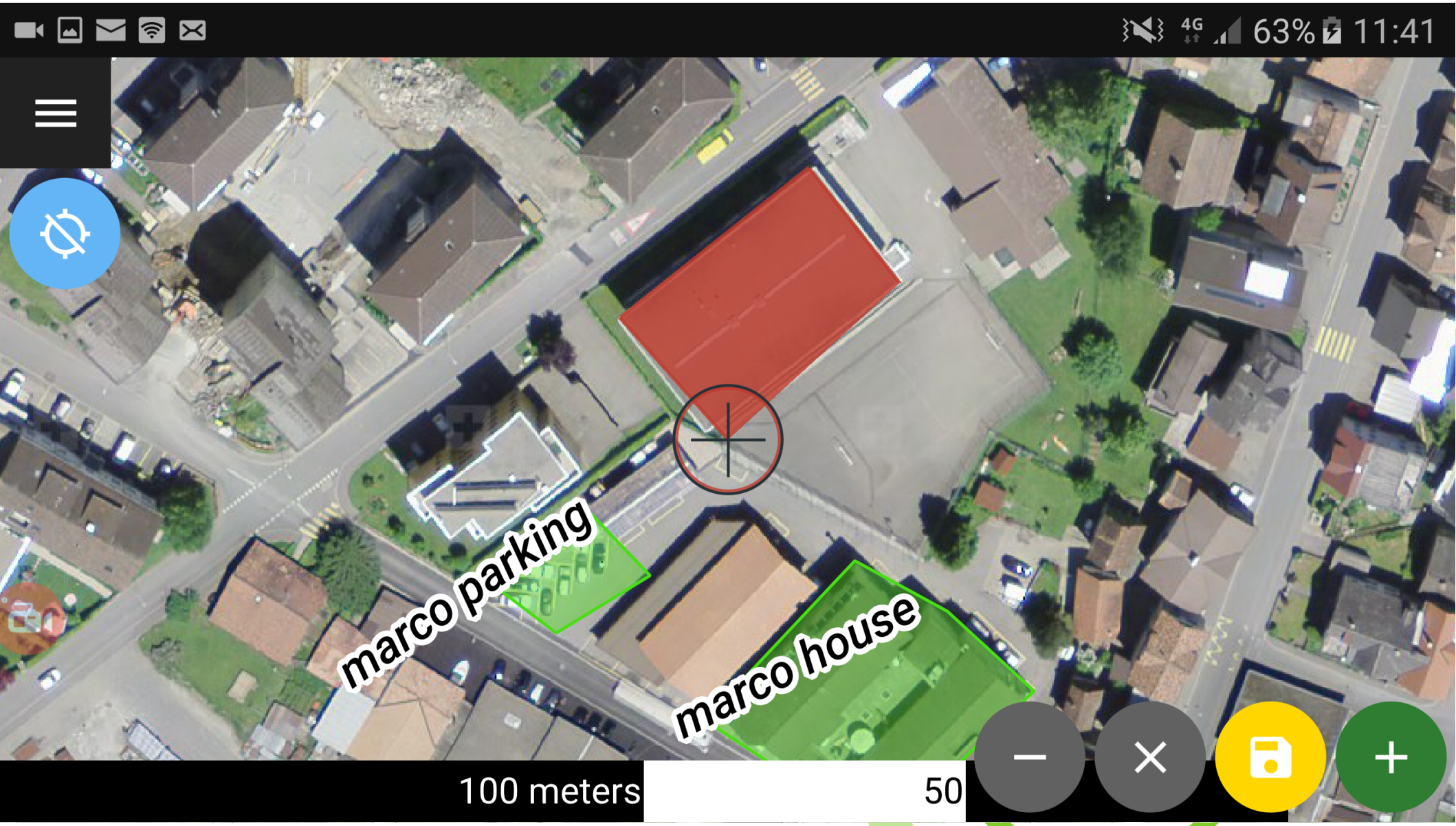
QField – Rendering Engine

QField – Digitizing points

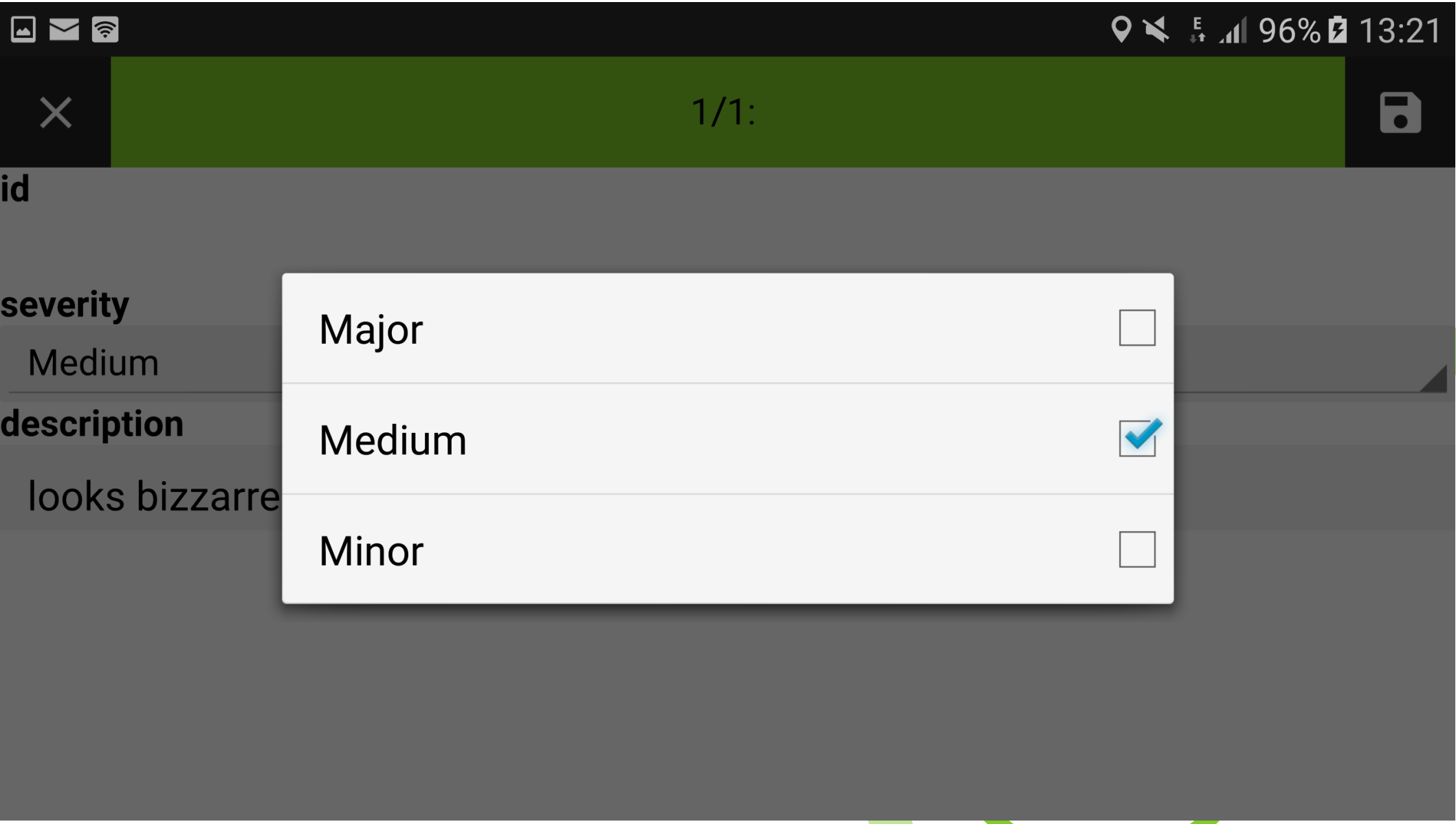
QField – Digitizing lines



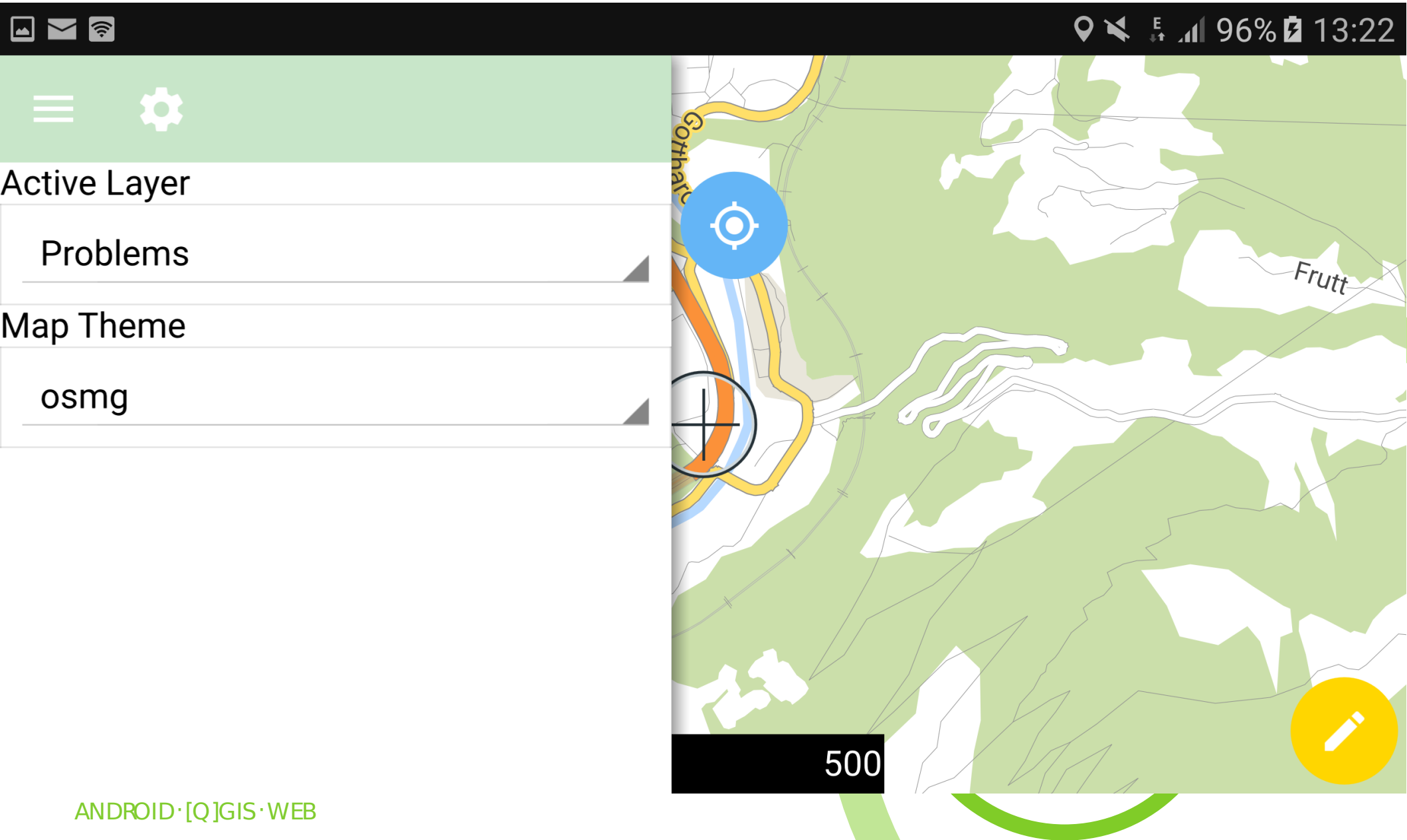
QField – Digitizing polygons



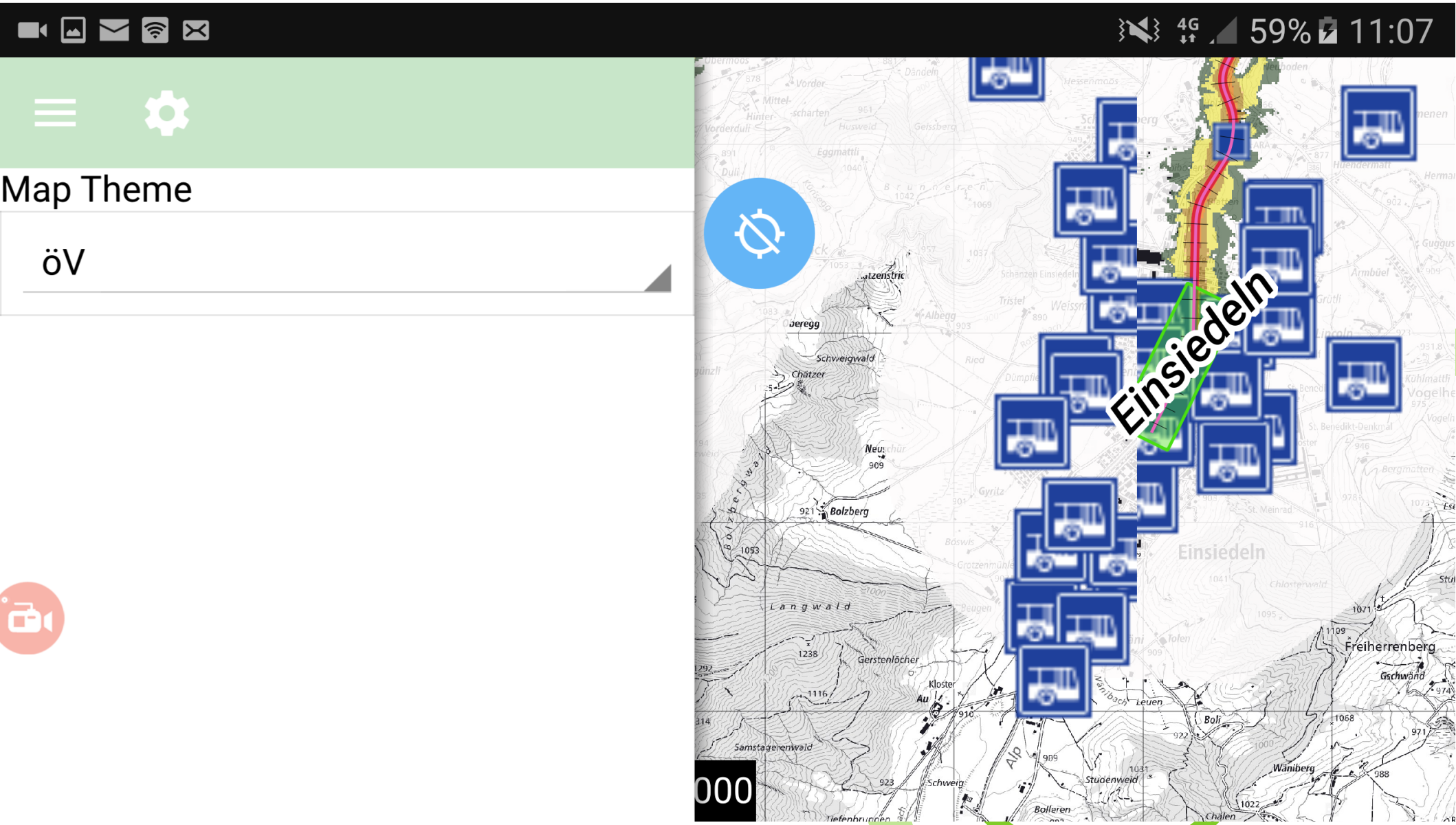
QField – Data Entry



QField – Map Themes



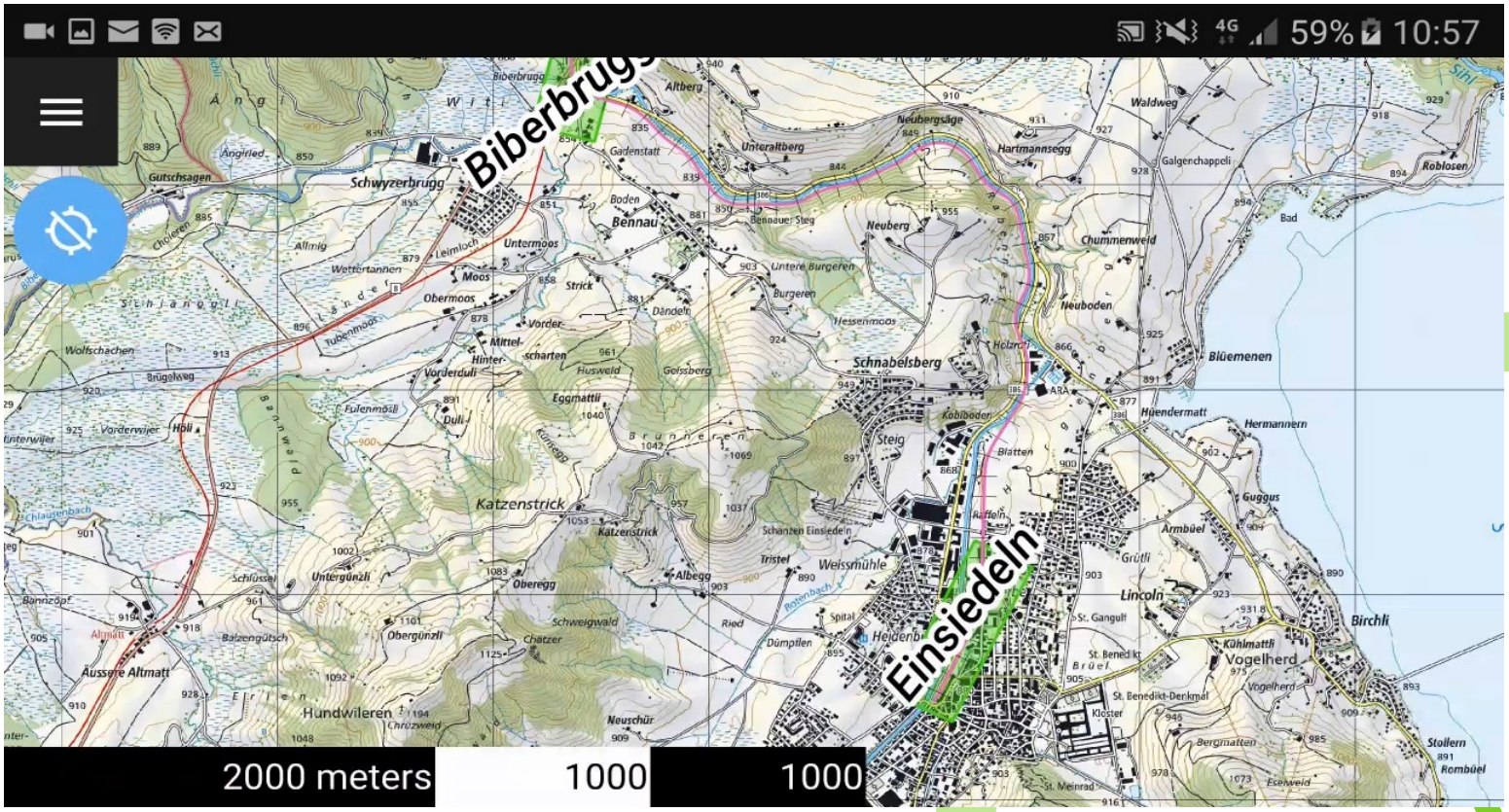
QField – Map Themes



How to help

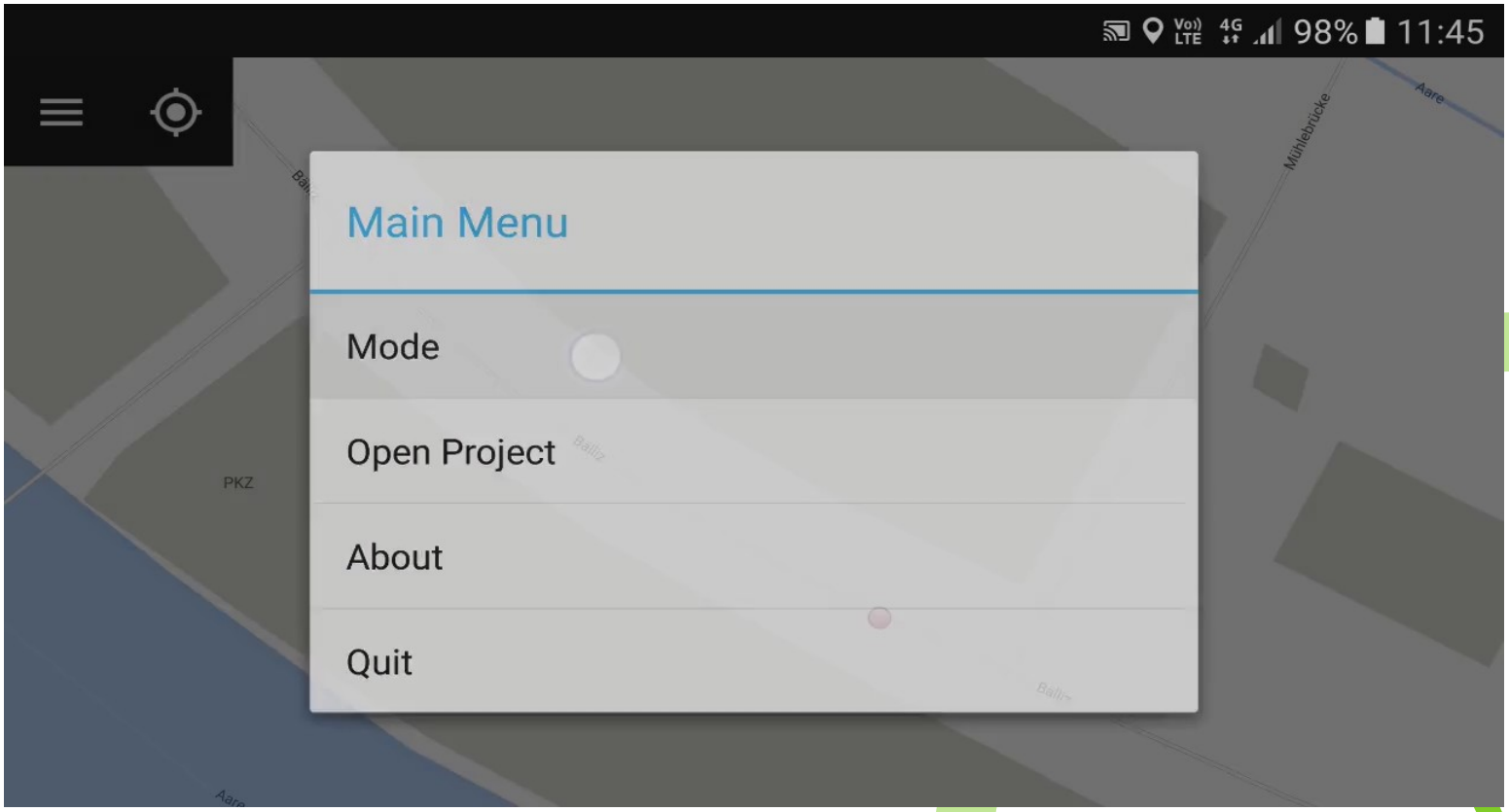
- Tell the world about it
- Improve documentation
- Translate and write documentation
- Write a case study
- Sponsor a new feature
- Get QField on GooglePlay (qfield.org/get)
- Rate it 5 stars ★ ★ ★ ★ ★ :)

Video mapthemes

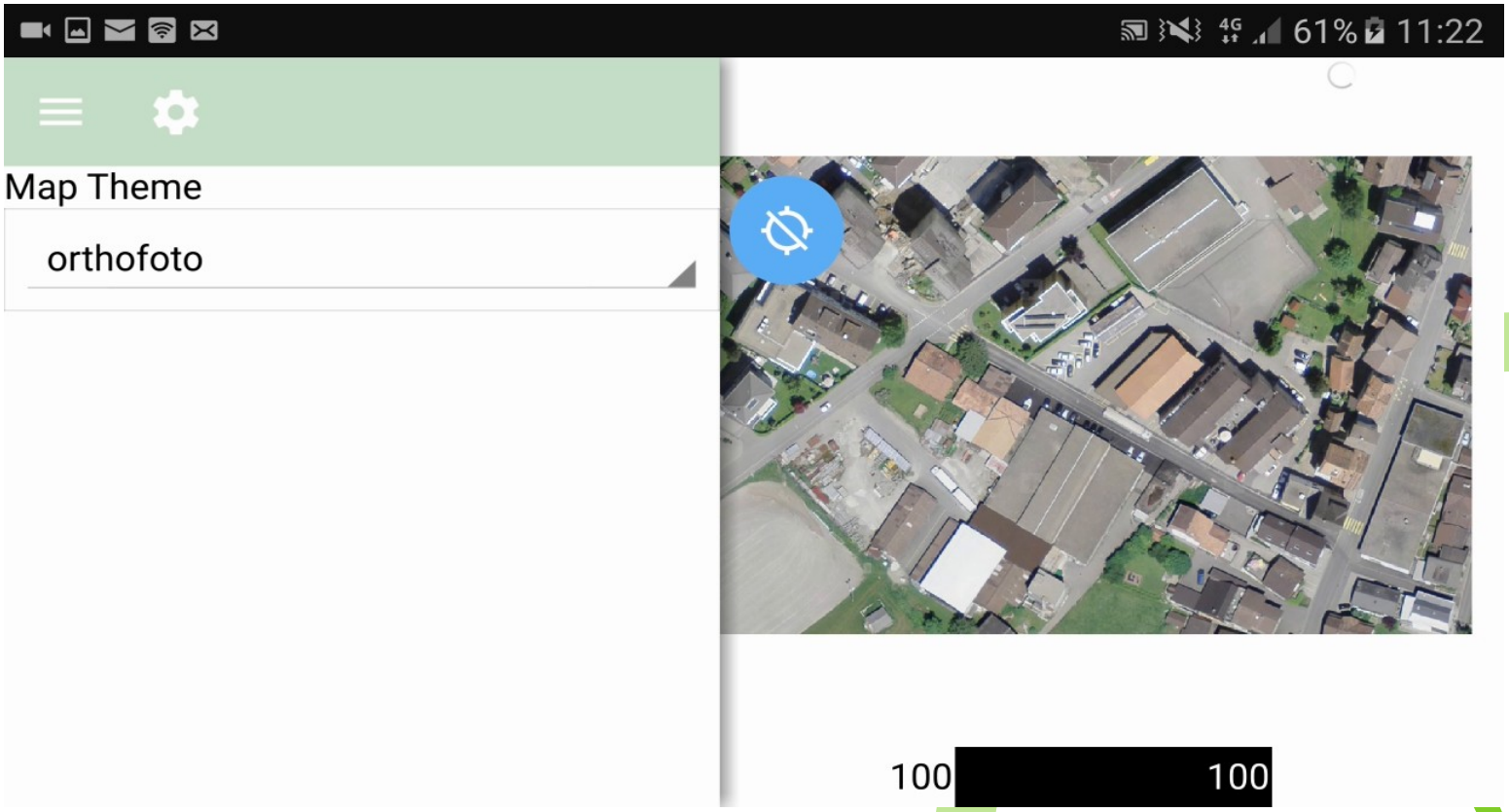


OPENGIS.ch
ANDROID·[Q]GIS·WEB

Video georeferenced pictures



Video digitizing polygons



Summing up

- Workshop on Friday
- Field data capture → QField.org
- GIS analysis → QGIS.org
- Web publishing (Lizmap, QWC2, geonode, ...)
- One time configuration
- **ZERO licensing costs**

Vinaka!
Questions?

Thank you for your attention and support

http://qfield.org

[marco|info]
@opengis.ch