### **Urban Mobility Management**

**Accessibility** | Data collection

### Mapping the walking network

A comprehensive guide





The information we want to gather

- 2. Setting things up
- 3. Let's get it done!





# Three main objectives

#### 」し つ Intersections

### Geo type Point

Where?
On legal crossing points

# Attributes Painted 1/X Lowered 1/X Semaphored 1/X Tactile 1/X Studs 1/X

**Connections** (within intersection)

Meeting angle with car \*

- a) 90° 1
- b) + of 90°



### Geo type Point

Where?
When you find obstacles on the sidewalk

#### <u>Attributes</u>

Picture \* \* Category \*

- a) Stairs
- b) Urban furniture
- c) Tree bed
- d) Esplanade
- e) Pavement irregularity/discontinuity
- f) Illegal parking
- g) Advertising
- h) Other (specify on comments)

#### **Duration** \*

- i) Long term (+24 h) <sup>1</sup>
- j) Short term (-24h)

- \* Mandatory
- <sup>1</sup> Default option



#### Geo type Line

#### Where?

On ways that are not sidewalks on the side of the road OR

Sidewalks that are too narrow (<1,2 m)

#### **Attributes**

Picture \*\*

Pavement type \*

- a) Not paved (land) <sup>1</sup>
- b) Calçada portuguesa
- c) Bituminous

Width (>= 1,2 m<sup>1</sup>, <1,2 m) \*

#### Category \*

- a) Narrow sidewalk on road side
- b) Other way, not on road side

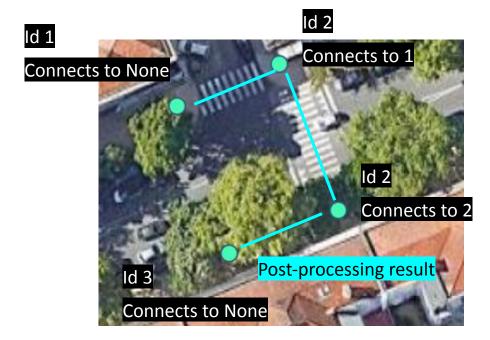
### **Important**

#### **Intersections**

Make sure to add a point to each side of the intersection!



Fill the connections for each point so that we can have a clear picture of where the road crossings happen!

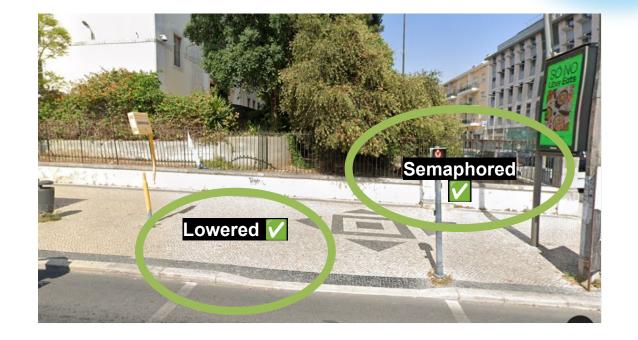


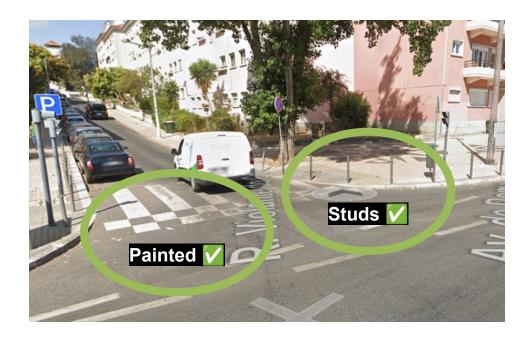


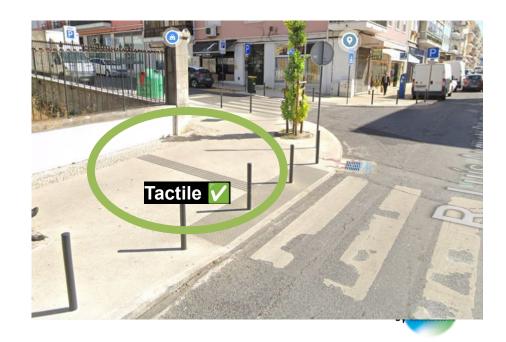


# Glossary

**Intersections** 







# Glossary

### **Obstacles**

Make sure to add a point to each obstacle!

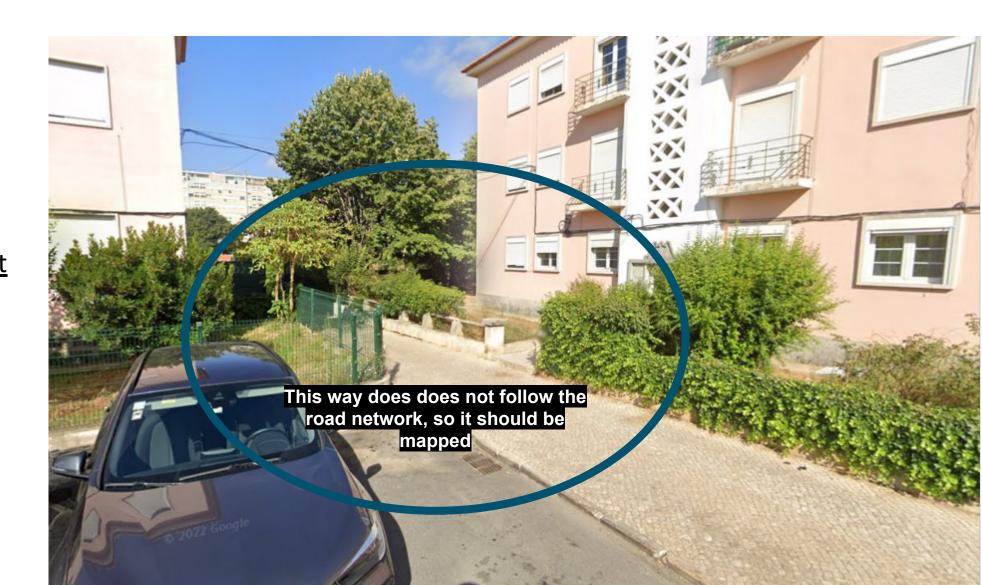




# Glossary

### Ways

Draw the complete
way, trying to assure
a connection
between two streets
with road (except if it
leads to a dead end)



# Glossary

### Ways

In this case, draw a
line representing the
full extension of the
sidewalk (the street
length), one way in
each side of the
street



# 2. Setting things up

How to collect data on sight

## 3. Let's get it done!





#### 2. Setting things up

### Register to QFieldCloud and install QField

- 1. Go to <a href="https://app.qfield.cloud/accounts/signup/">https://app.qfield.cloud/accounts/signup/</a>
- 2. Fill the form to register with the password \*\*\*\*\*
- 3. Go to your inbox and validate the account
- 4. Send a message to \*\*\* with the email you registered, so that he can upload the project to your account
- 5. Install **QField** from the app store



- 6. Open the app
- 7. Click on **Projects QFieldCloud**
- 8. Sign in with the account you just created
- 9. You should see a blank screen saying that no projects were found, like in the image on right

**STOP** Wait until the project was associated to your account to proceed with the tutorial



- 1. What we will collect
- 2. Setting things up
- 3. Let's get it done!

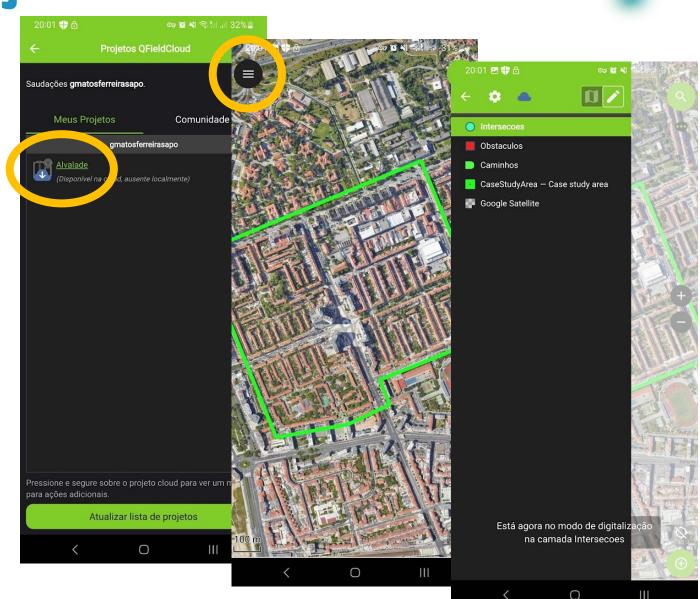
How to collect data on sight





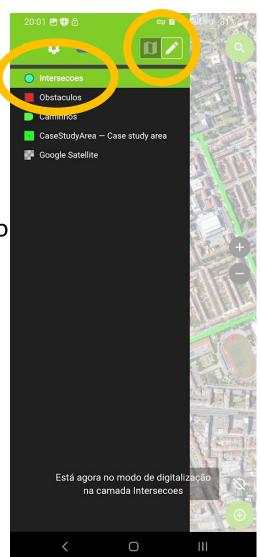
### 3.1. Accessing the project

- When opening QField > Projects
   QFieldCloud, you should see a project named Alvalade
- 2. Click on it to download and wait
- 3. Once the download is finished, open it
- 4. You should see Alvalade neighbourhood delimited, like in the image on the right
- 5. Clicking on the **menu** (top-left corner) you should see the following layers
  - a. Intersections
  - b. Obstacles
  - c. Ways
  - d. Case study area
  - e. Google Satellite

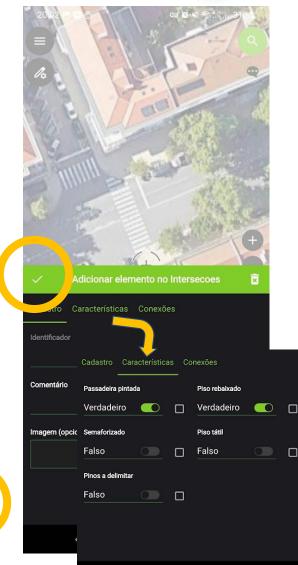


### 3.2. Intersections: adding a new one

- 1. On the menu
  - a. Click on the **pencil** on the top-right corner
  - b. Make sure you haveIntersections layer selected
- 2. Center the map where you want to add the intersection
- 3. Click on + (bottom-right)
- Fill the form and don't forget to use the tabs to navigate to all fields
- Click on the 
   ✓ icon on the top-left corner
  - a. To abort use the 👹 icon
- 6. Done 🙂







# 3.3. Obstacles: adding a new one

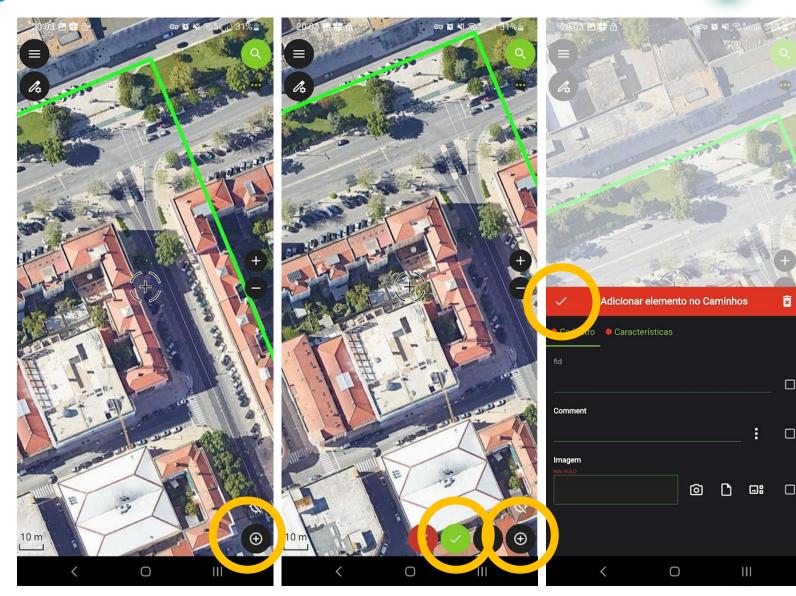
- 1. On the menu
  - a. Click on the **pencil** on the top-right corner
  - b. Make sure you have **Obstacles** layer selected
- 2. Follow the same steps as for intersections





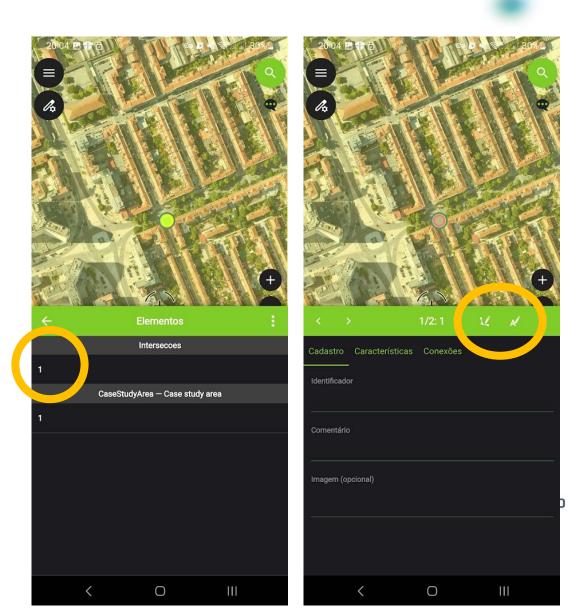
## 3.4. Ways: adding a new one

- 1. On the menu
  - a. Click on the **pencil** on the top-right corner
  - b. Make sure you have **Ways** layer selected
- 2. Center the map where you want to start the way
- 3. Click on 🕂 (bottom-right)
- 4. Click on + to in every edge
- 5. Click on **V** when finished
- 6. Fill the form as in the other layers and click on **V** when done



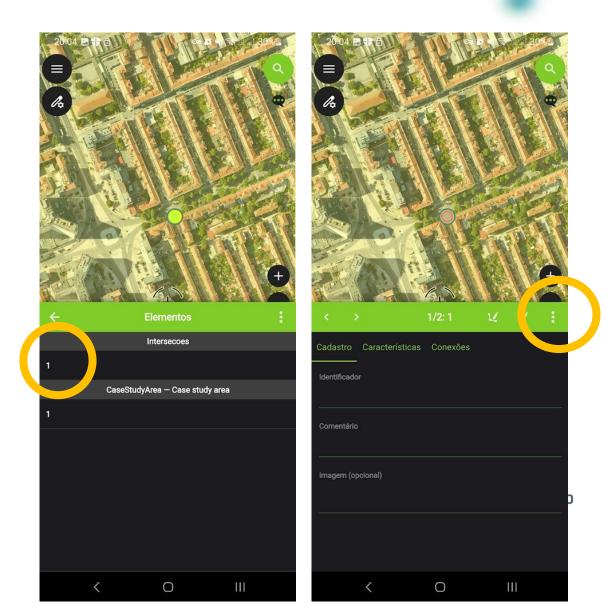
# 3.5. Editing elements

- On the menu
  - a. Click on the **pencil** on the top-right corner
  - b. Make sure you have the proper layer selected
- 2. Click on the element you want to edit
- 3. Select it on the list of elements provided
- 4. On the top-right corner, click on
- a. To edit its position
  - **b**. To edit the form data
- 5. Make your editions and save



# 3.6. Deleting elements

- 1. On the menu
  - a. Click on the **pencil** on the top-right corner
  - b. Make sure you have the proper layer selected
- 2. Click on the element you want to edit
- 3. Select it on the list of elements provided
- 4. On the top-right corner, click on the three dots
- 5. Click on delete icon: 👹



# 3.7. Sync your changes

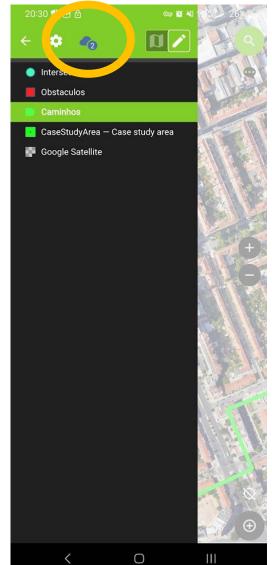
#### To send your changes to the server

- On the menu
  - a. Click on the **cloud** icon on top
- 2. Click on **send changes**

#### To obtain changes from the server

Don't perform this operation unless told so by the accessibility team!

- 1. On the menu
  - a. Click on the **cloud** icon on top
- 2. Click on **sync changes**





### **Any questions?**

Leave them here: **FAQs** 



