Aquasurvey App

Carry out your own survey
Joint research Centre – Ispra

Revised by Randbee Consultants
for the WaterInnEU Project

Reference Website

For all references and for downloading the software go to:
http://www.aquaknow.net/en/aquasurvey-software

Overview

AQUASURVEY software

1.Overview of the Aquasurvey (30′)

2. Practice and preparation of tomorrow survey pilot

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Main Menu – Overview

- **Manage Users** : Create, modify and access to field operators account
- **Create a survey**: Entry point to create your questionnaire
- **My drafts surveys** : stored questionnaires – starting point to create your project
- **My Projects** : List of your project with user packages
- **My settings** : set your Language settings, User settings, Online service settings, Global Administrative Areas (GADM) maps, Application information.

STEP 1– Your settings

TO BE MADE IN FIRST PLACE
- Choose your interface language
- Click on interface language

User settings

- Set the credentials of the "Survey coordinator" as an admin on the desktop application

- An online service can be setup (if needed) , providing URL and admin password to server

language settings | **user settings**

Set your survey coordinator credentials:

Name

Surname

Name.surname@email.com

Valid Email

☑ admin

SAVE USER

language settings | **user settings** | or

Set web address of online resource of sta

online service url

online service username

online service password

SAVE

Setting GADM maps

- You have the possibility to add The Global Administrative Areas (GADM)
- They allows additional geographical administrative boundaries to be uploaded and stored in JSON files

Debugging console
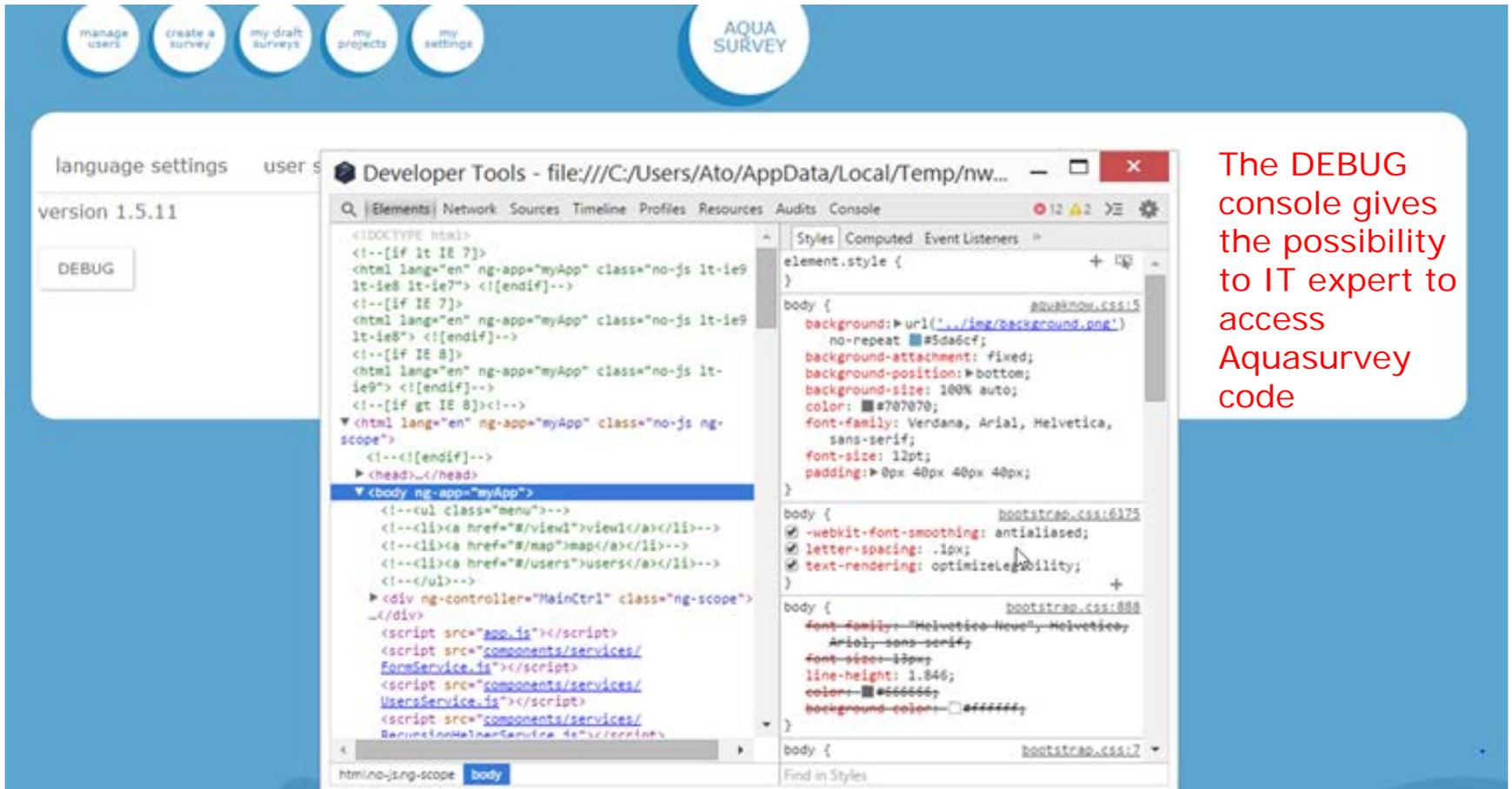
The DEBUG console gives the possibility to IT expert to access Aquasurvey code

Step 2- Manage users

You should define your field surveyor team = number of users

- providing Name, Surname, a valid email, and a password

- To track who fulfill which questionnaire

⇒ List of users can be stored in local (offline) or on server (online)
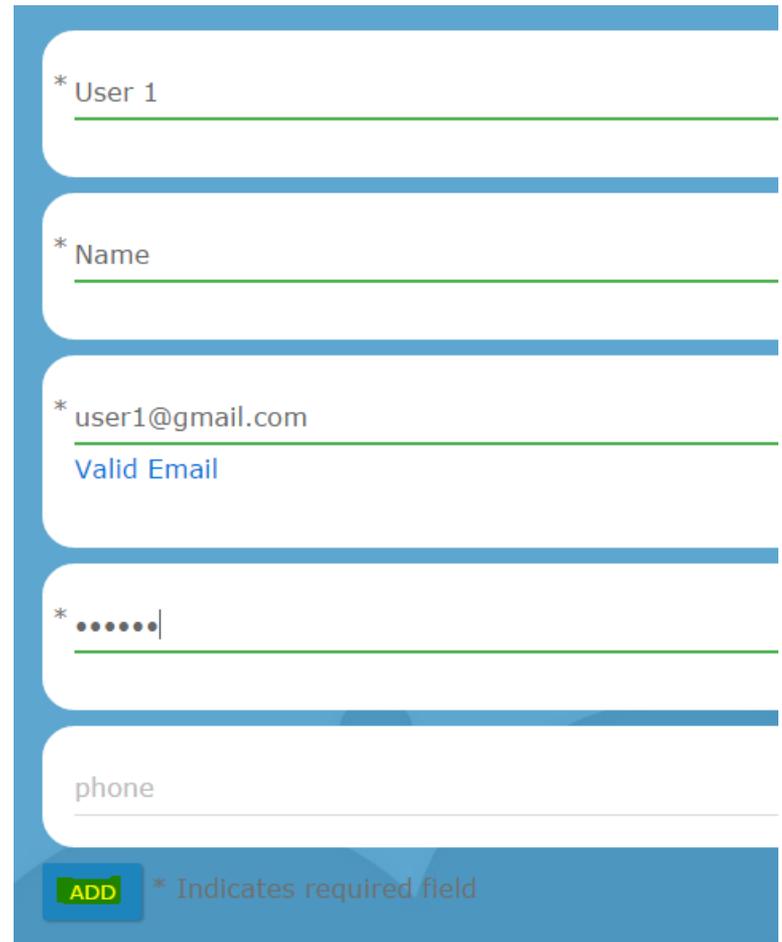
Your list of field surveyors
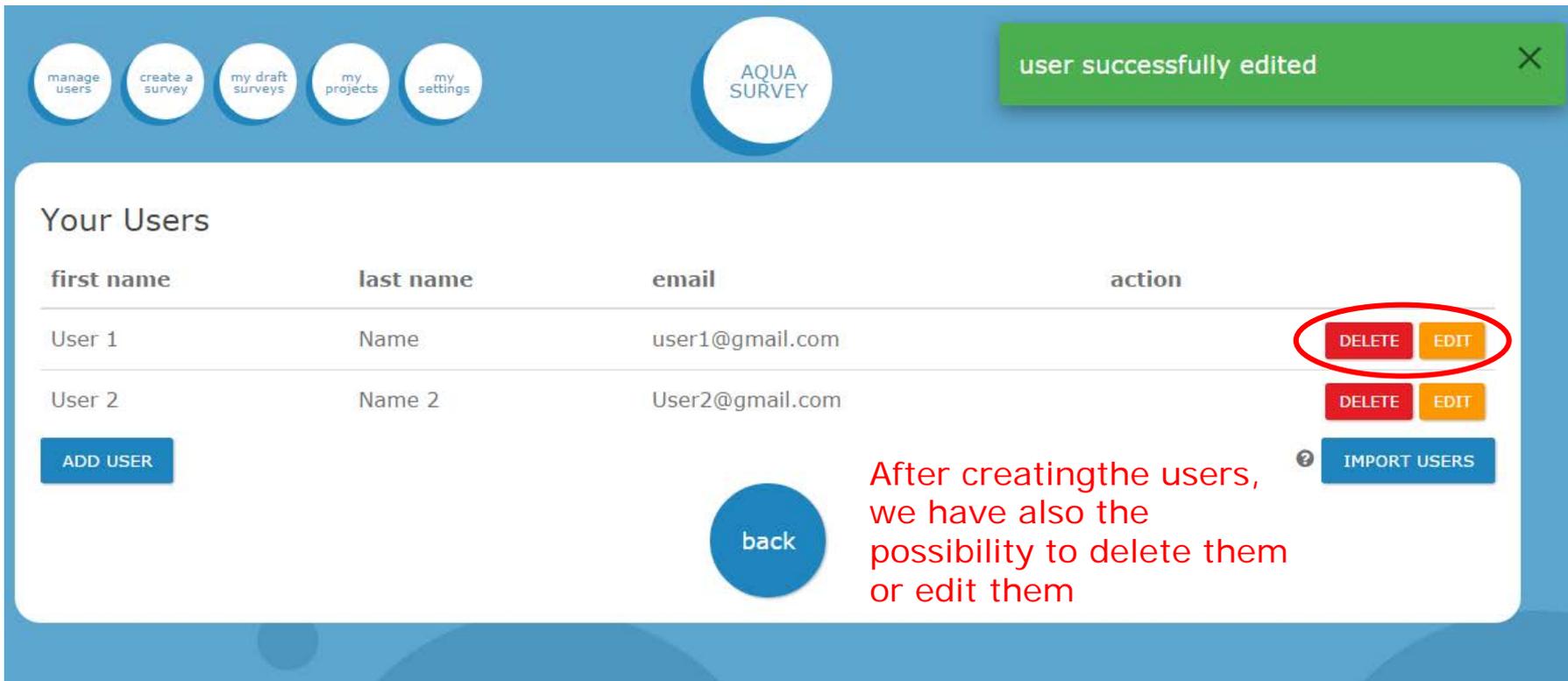
After creatingthe users, we have also the possibility to delete them or edit them

Editing users' setting
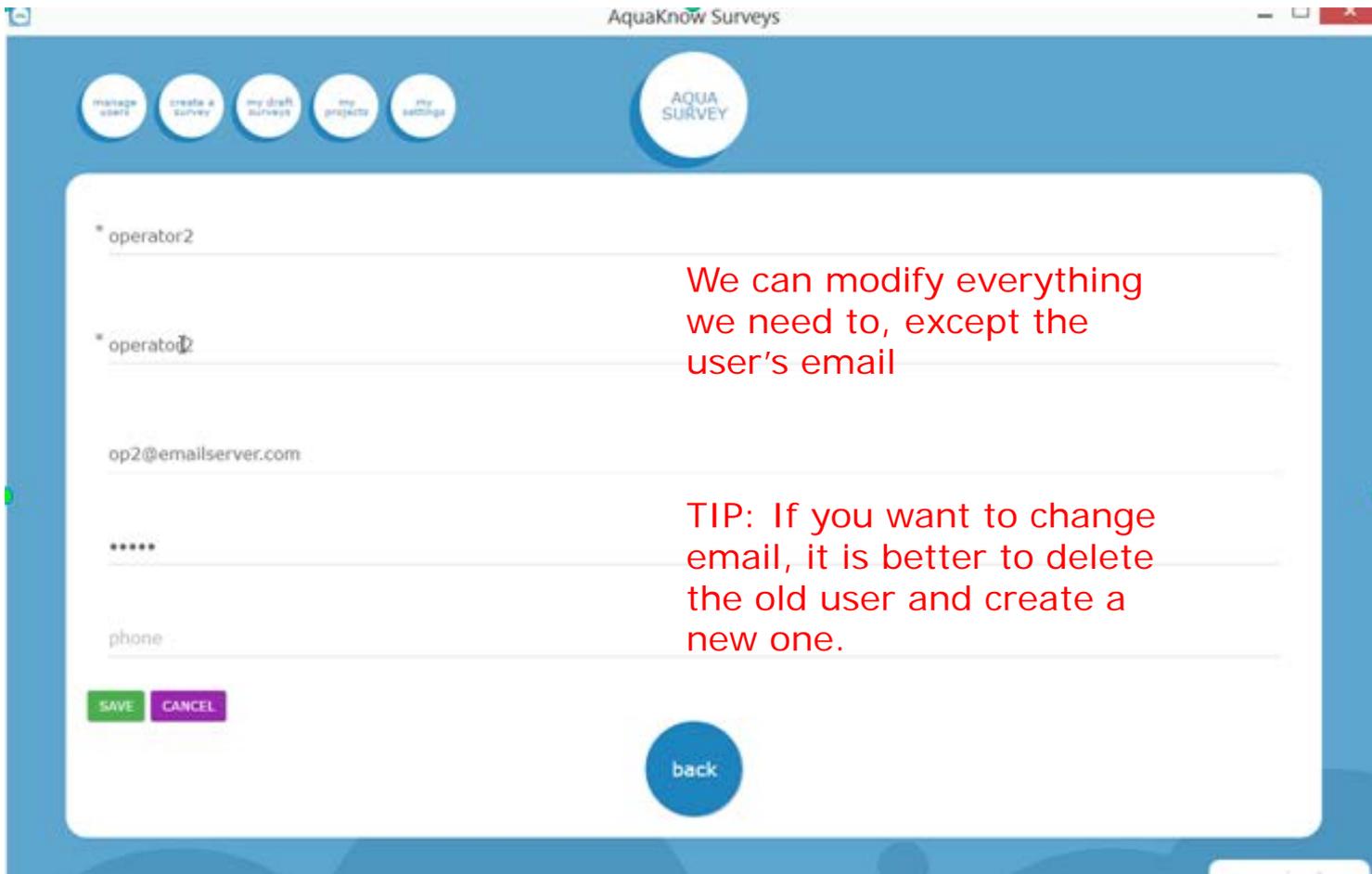
We can modify everything we need to, except the user's email

TIP: If you want to change email, it is better to delete the old user and create a new one.

STEP 3- Create a survey

Options possible to create a new survey :
- From template survey from server : standard survey
- From your previous survey: draft survey
- A fully new survey: new survey

STEP 3- Create a survey

Set your language(s) – NOT modifiable once DONE
Tip : you should have at list 1 question to be able to save a survey

SURVEY1 GIVE a TITLE

add instruction: Set the language (s) of the questionnaire

eng | fre
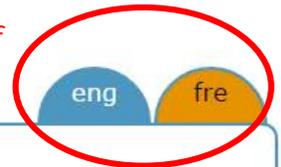
please follow the isntructions

questions:

ADD | SAVE AS STANDARD SURVEY | SAVE AS DRAFT

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Questionnaire Options

- Order your questions :
  - Make a group of question (i.e. socio-economic information)
  - Drag and Drop the questions
  - Set a skip logic
  - Insert an Hint (for the surveyor to understand better the question)
  - Set a validation method (i.e : the answers must be an integer

Tips to fullfil your question:

1. Select the right type (MQS, picture, video, barcode, number, date, …)
2. Give a short machine name
3. Complete one language after the other using the tabs
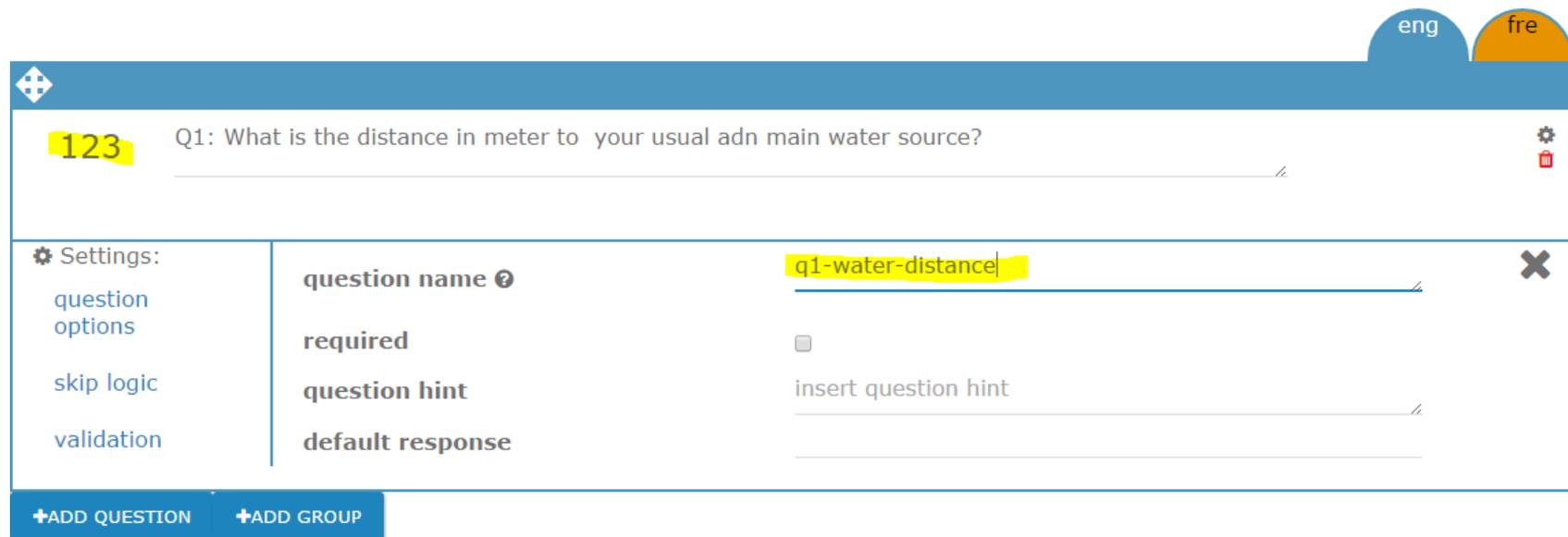
eng   fre

123   Q1: What is the distance in meter to your usual adn main water source?

⚙ Settings:

question options

skip logic

validation

question name ❓   q1-water-distance

required   ☐

question hint   insert question hint

default response

+ADD QUESTION   +ADD GROUP

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STEP 4- Deploy your project

This step allows you to create and organise your campaign project :

=> My Draft Surveys /Deploy as Project/

Assign working area to each user=> Options :

1. online Basemaps (google, Open street maps)
2. Image tiles of the area (offline map)
3. Without map in case of no internet, no GDAM and no image are available

Assigning place visit to each user

1. Set your working area
   Online basemap, GDAM or upload your satellite image
2. Select a user and assign location to visit (point , area).

name Point 1 User1
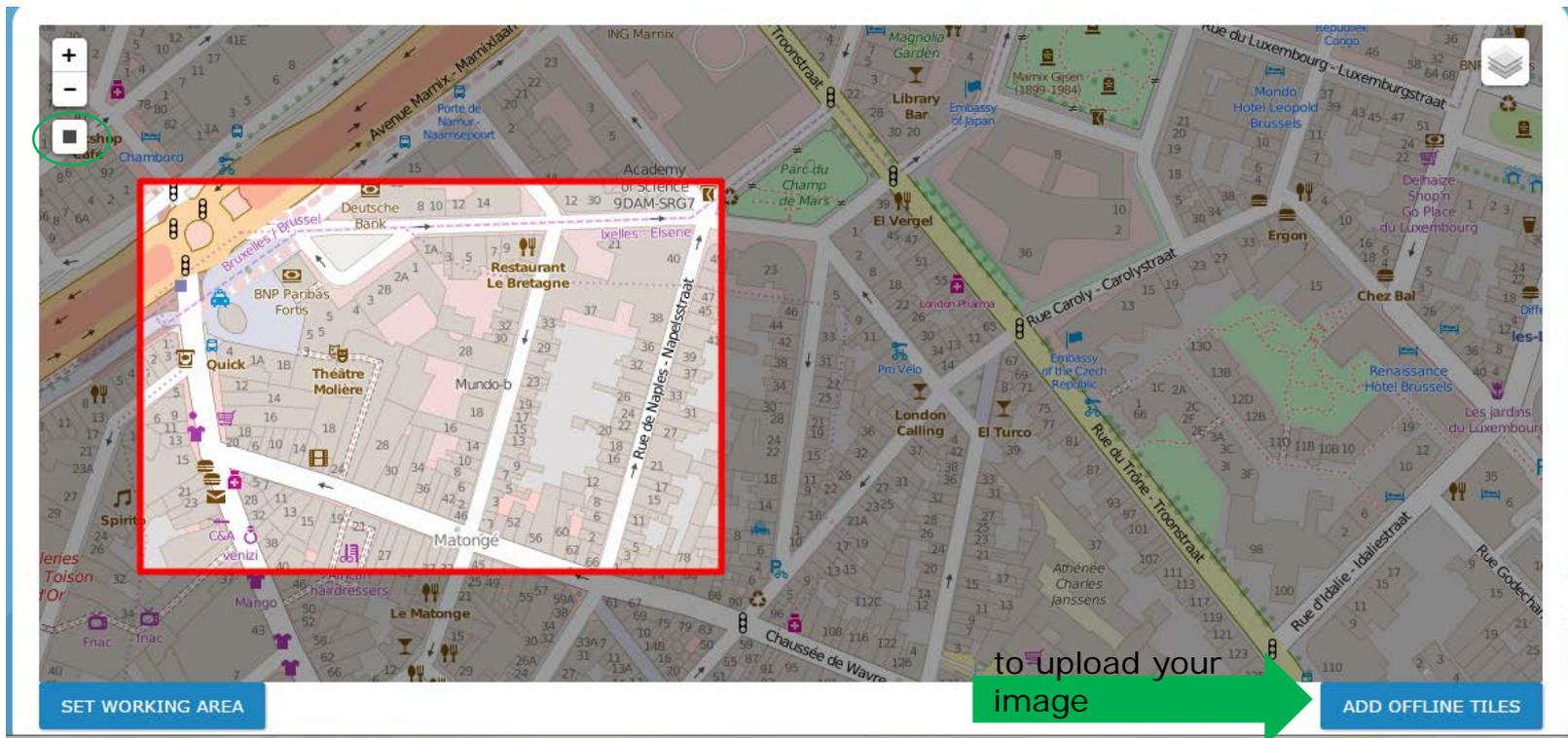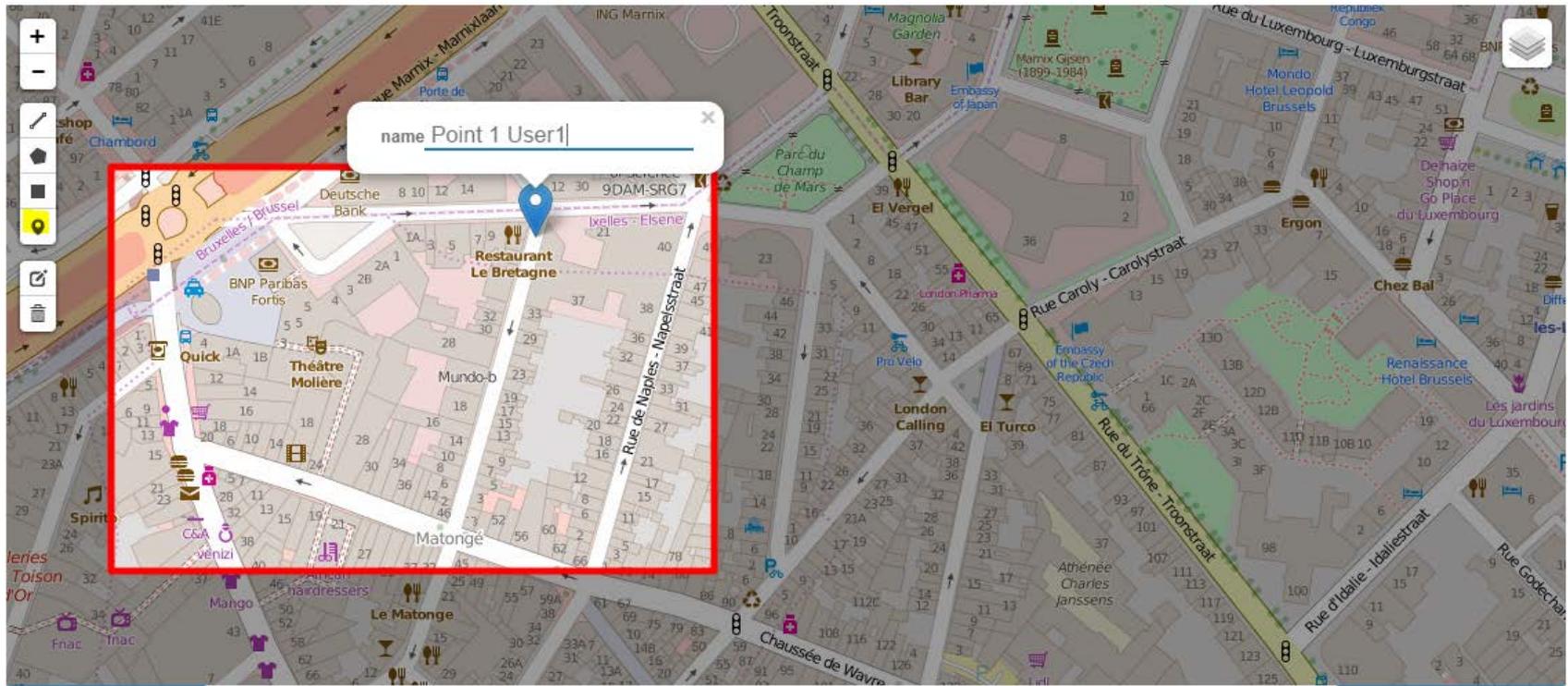
DOWNLOAD MAP

ADD OFFLINE TILES

assign	name	last name
ASSIGN REGIONS	User 1	Name

3. Download the MAP of your working area
   Tip: define most strictly possible the working area to limit the packagingtime.
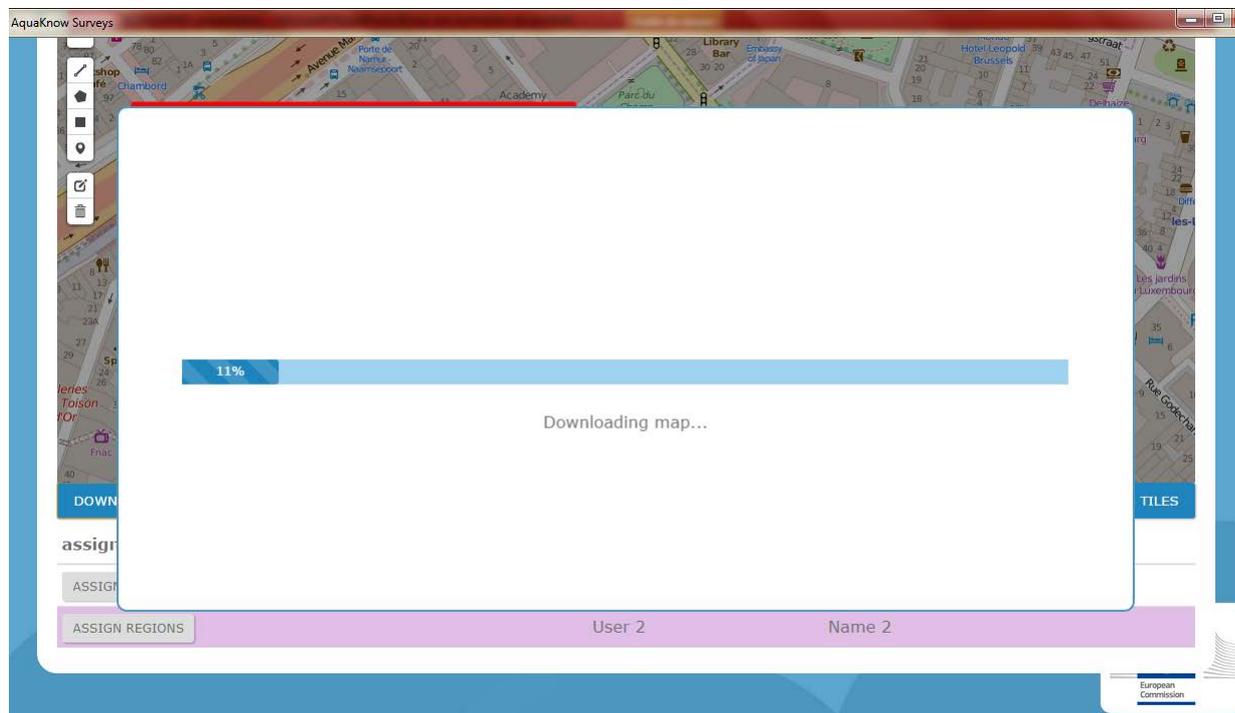
4. Download mobile packages for each user on your computer

Transfer options :

- OFFLINE: USB cable
- Internal wifi theathling mode
- Internet through server

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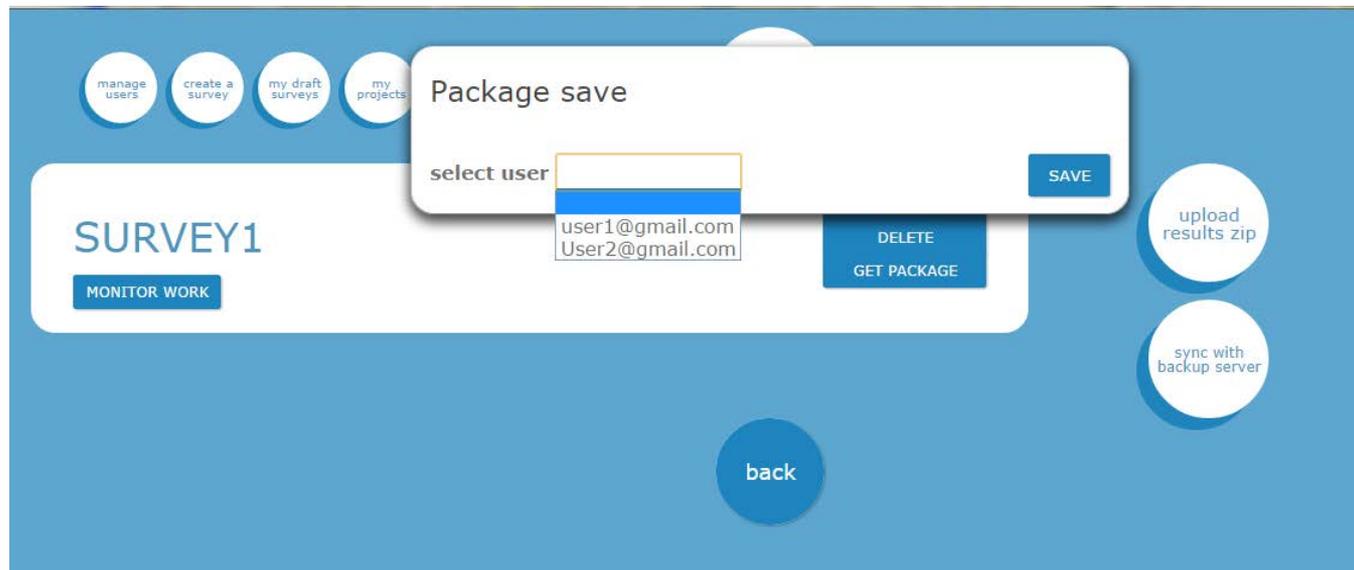
STEP 5-Collecting questionnaires/forms

- Log in on the mobile

MENU login&options
- Verify that your survey form is loaded

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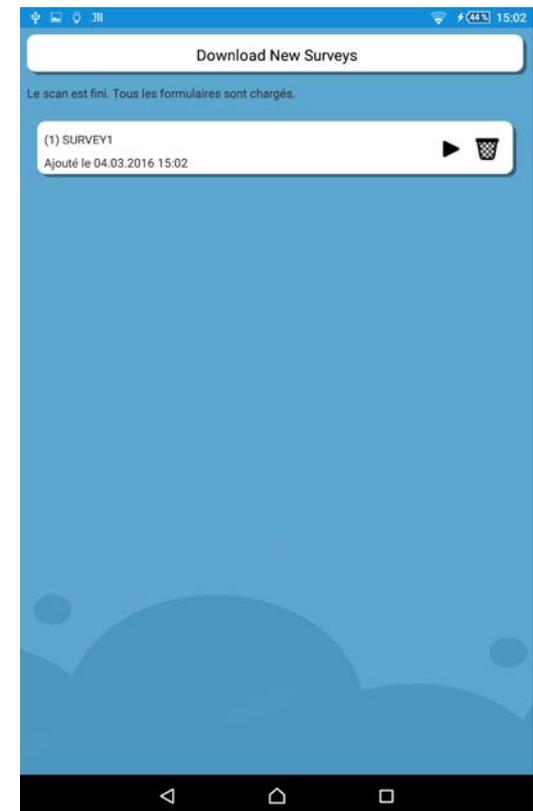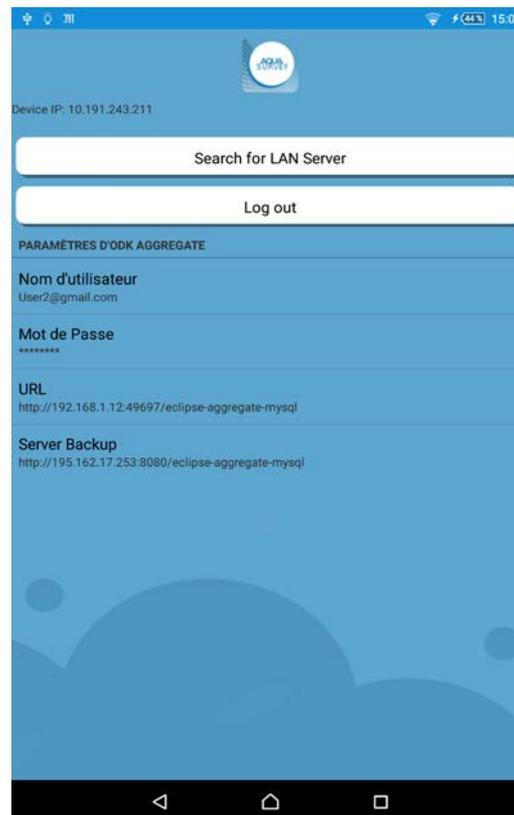
STEP 5-Collecting questionnaires

- Check you destination points
- (green points)

- Proceed to the interview, fulfilling the questionnaire

- The default language will the one of the phone if available

Start a questionnaire

Change base map

Check your location (GPS)

Check the completion according to planning
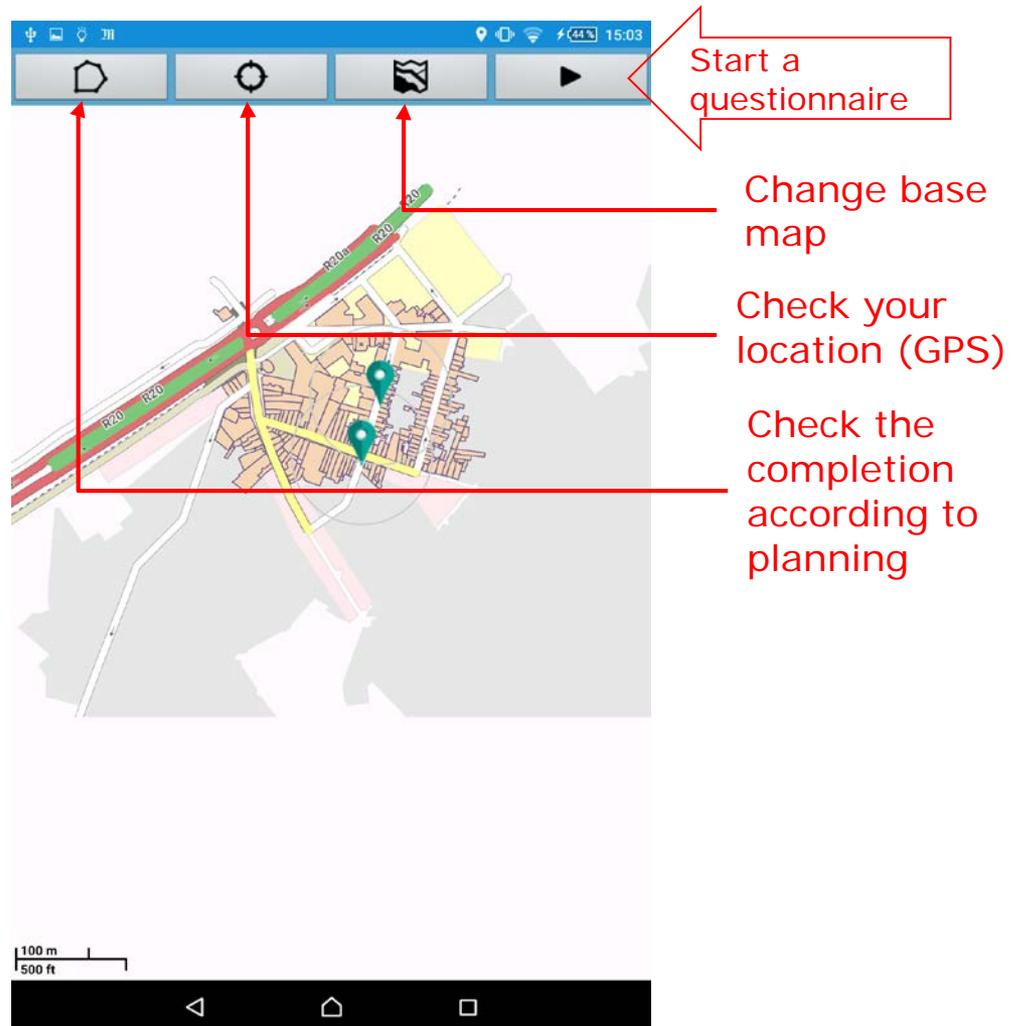
Fulfil the answers
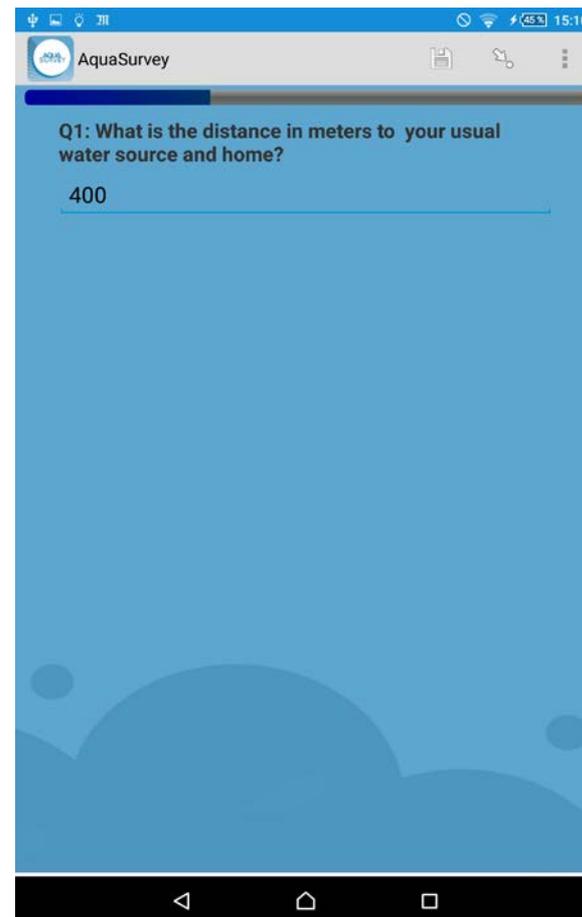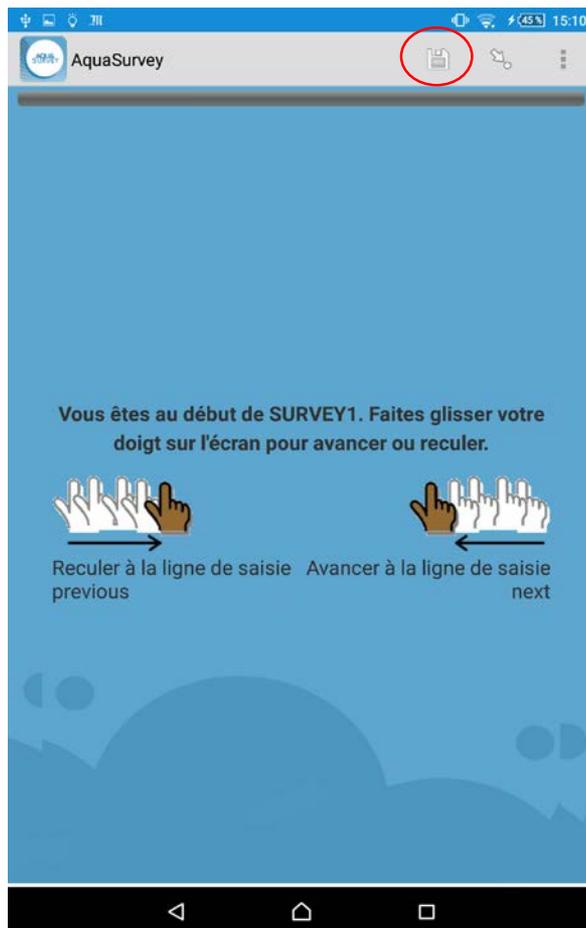
If saved when not completed, the questionnaire will be saved in the menu "Edit a saved form"

Geo-referencing and save the completed questionnaire

Geo-referencing
Options:
- Get the GPS point
- Mark it on the map

- Then associate it to a point/area assigned by the Coordinator

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AquaSurvey

Enregistrement du Lieu

Mark Location

Option 1: get GPS coordinates

AquaSurvey > Enregistrement du Lieu

Chargement de la localisation

Veuillez patienter. Cette action peut prendre quelques minutes.

Annuler   Enregistrer le Lieu

Geo-referencing and save the completed questionnaire

Geo-referencing
Options:
- Get the GPS point
- Mark it on the map

- Then associate it to a point/area assigned by the Coordinator

Option 2: Mark position on map

Latitude 50.837692 Longitude: 4.3644433

Mark Location

Assign to a location the questionnaire

Choose Destination

☹ point 1 User 2: 0

☹ Point 2 User 2: 0

Mark Location
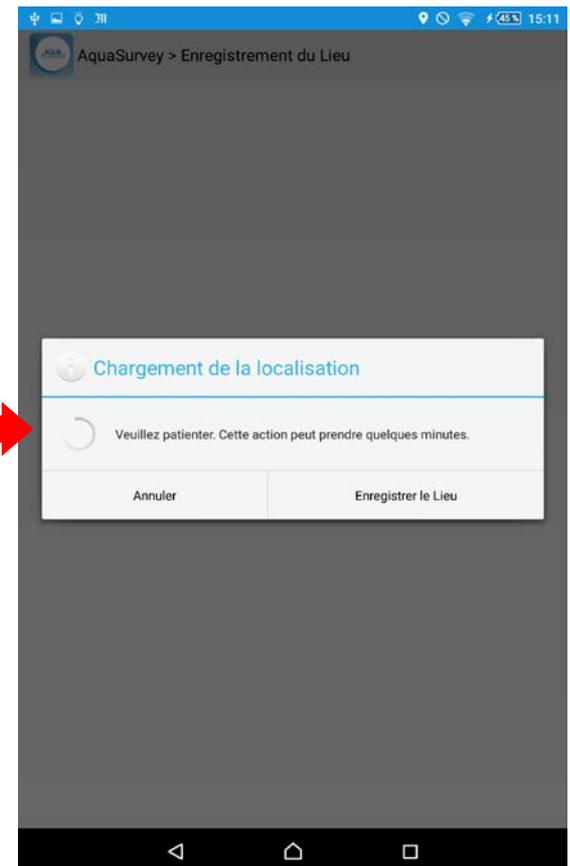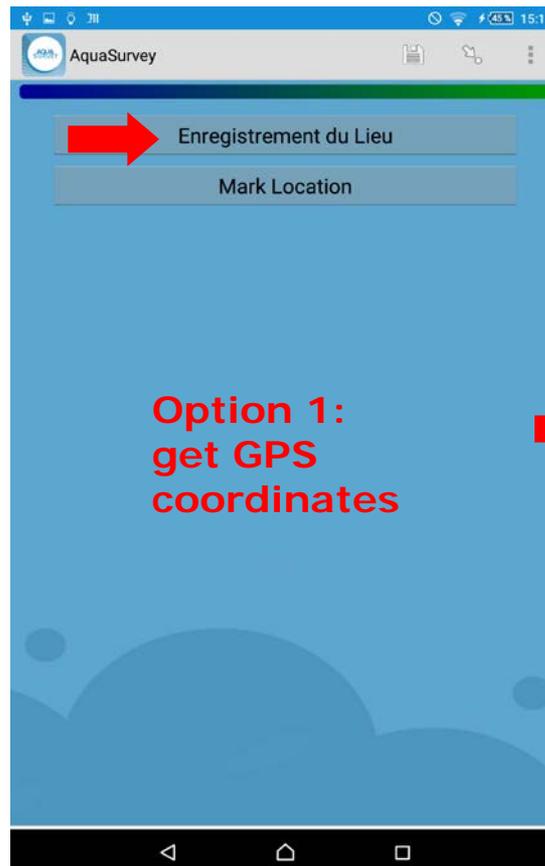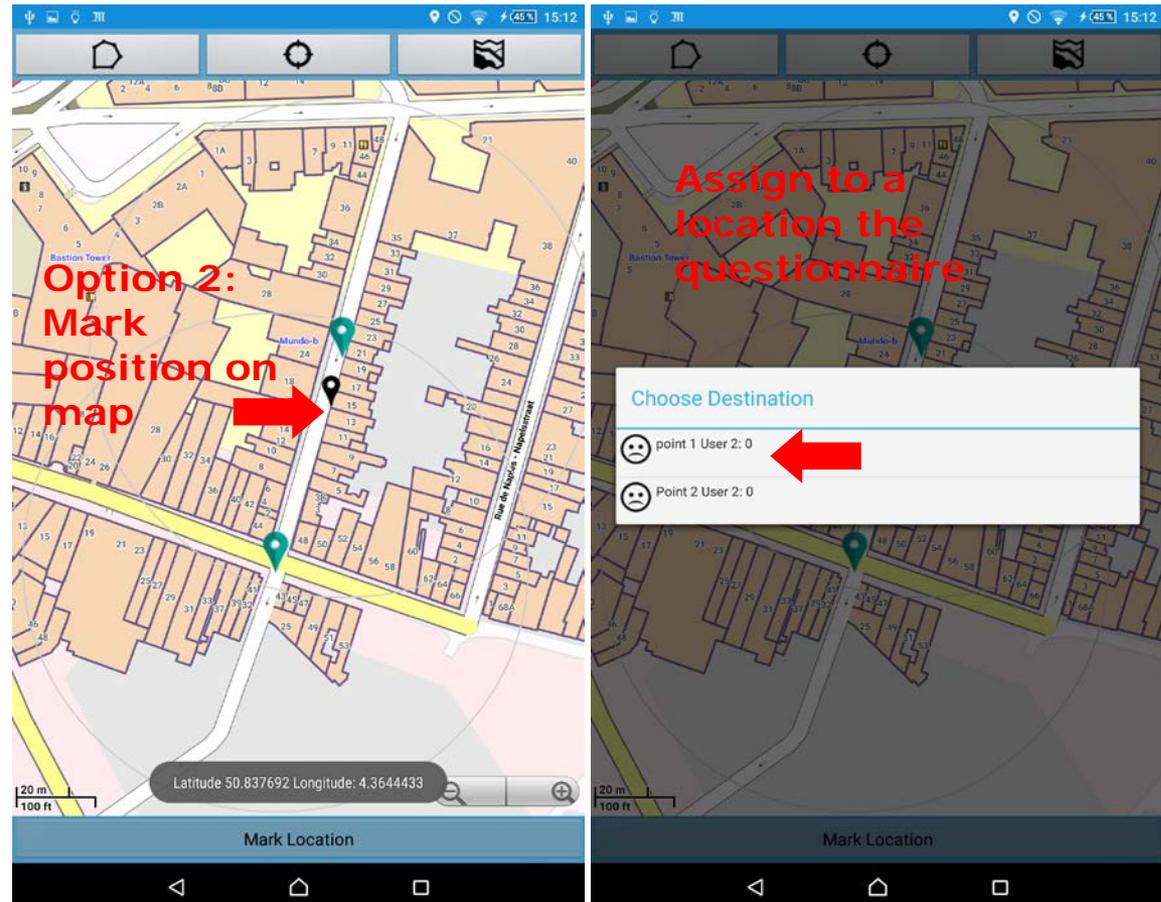
Save and list of completed questionnaires/forms

List of uncompleted forms

-Green point are location to visit
-Red point the point where questionnaire where collected

List of completed forms

IN PROGRESS **COMPLETED**

(1) SURVEY1
04.03.2016 15:12

AquaSurvey

Vous êtes à la fin de "SURVEY1".

Nommer le formulaire :

SURVEY1

☑ Marquer le formulaire comme finalisé

Sauvegarder et Sortir

Select All   Send To Server

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Step6- Transfer results to desktop

Options:

- Online through server
- Offline through USB cable => ZIP