

How to use the HydroCrowd app

The background is a solid blue color. In the bottom-left corner, there are three diagonal stripes of different shades: a light blue stripe, a medium blue stripe, and a dark blue stripe, all running from the bottom-left towards the top-right.

Introduction

The HydroCrowd app is designed to collect data at Citizen Science stations installed by the HydroCrowd project, as well as from "Weather@Home" rainfall stations that can be added by anyone with a rain gauge. The app also allows for the reporting of extreme or unusual weather events through the "Photo Note" option.



Android



iOS

The application
is available for
Android and iOS
devices.

If you will be using the application frequently, it is best to create a user account. This will give you free access to all data submitted for all HydroCrowd stations at any point in time.

STEP 1:

Create a user account

The image shows the HydroCrowd app interface. At the top, there's a header with the HydroCrowd logo, a notification bell icon with '133', and a key icon. Below the header is a map of Central America showing countries like El Salvador, Nicaragua, Costa Rica, Panama, and Colombia. A login/register overlay is visible, titled 'LOGIN'. It contains a welcome message, login instructions, input fields for 'E-mail address or username' and 'Password', and two buttons: 'Login' (with a checkmark icon) and 'Register' (with a plus icon). The 'Register' button is highlighted with an orange border. Below the buttons is a link for 'Forgot password?'. At the bottom of the app is a navigation bar with icons for a filter, a list, a plus sign, a bar chart, and a menu.

1
Click on the
button with
the key in
the top
right corner


2
Select
"Register"


3
Fill in your data


The image shows the 'REGISTER' form for the SPOTTERON platform. The form is titled 'REGISTER' and contains several input fields: 'Form of address' (a dropdown menu), 'Username' (with a hint: 'Please use at least three characters for the username. You don't have to use your real name!'), 'E-mail address', 'Password' (with a hint: 'Please use at least eight characters without spaces for the password. It is case sensitive.'), and a birthday section with dropdowns for 'Day', 'Month', and 'Year' (with a note: 'We need this information by law to see if you are under-aged in your country and if you need parental/guardian consent for participating in the App. Your birthday will not be shown anywhere publicly.'). There is also a country dropdown menu set to 'United Kingdom'. Below these fields are two checkboxes: 'I'm not a robot' (with a reCAPTCHA logo) and 'I agree to the Terms of Use of the SPOTTERON platform and I have read the Privacy Policy to know how my data is used and processed.' At the bottom is a large 'Register' button with a checkmark icon. A footer link says 'learn more about the SPOTTERON platform | www.spotteron.net'.


The application will create a user account and show you your profile. These data are not mandatory and you can just click on "Save".





 HydroCrowd

 133

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Edit user profile (optional) 




Ms 

First name or pseudonym

Last name or pseudonym




Date of birth

Day  Month  Year 

We need this information by law to see if you are under-aged in your country and if you need parental/guardian consent for participating in the App. Your birthday will not be shown anywhere publicly.



Country of residence

Deutschland / Germany 

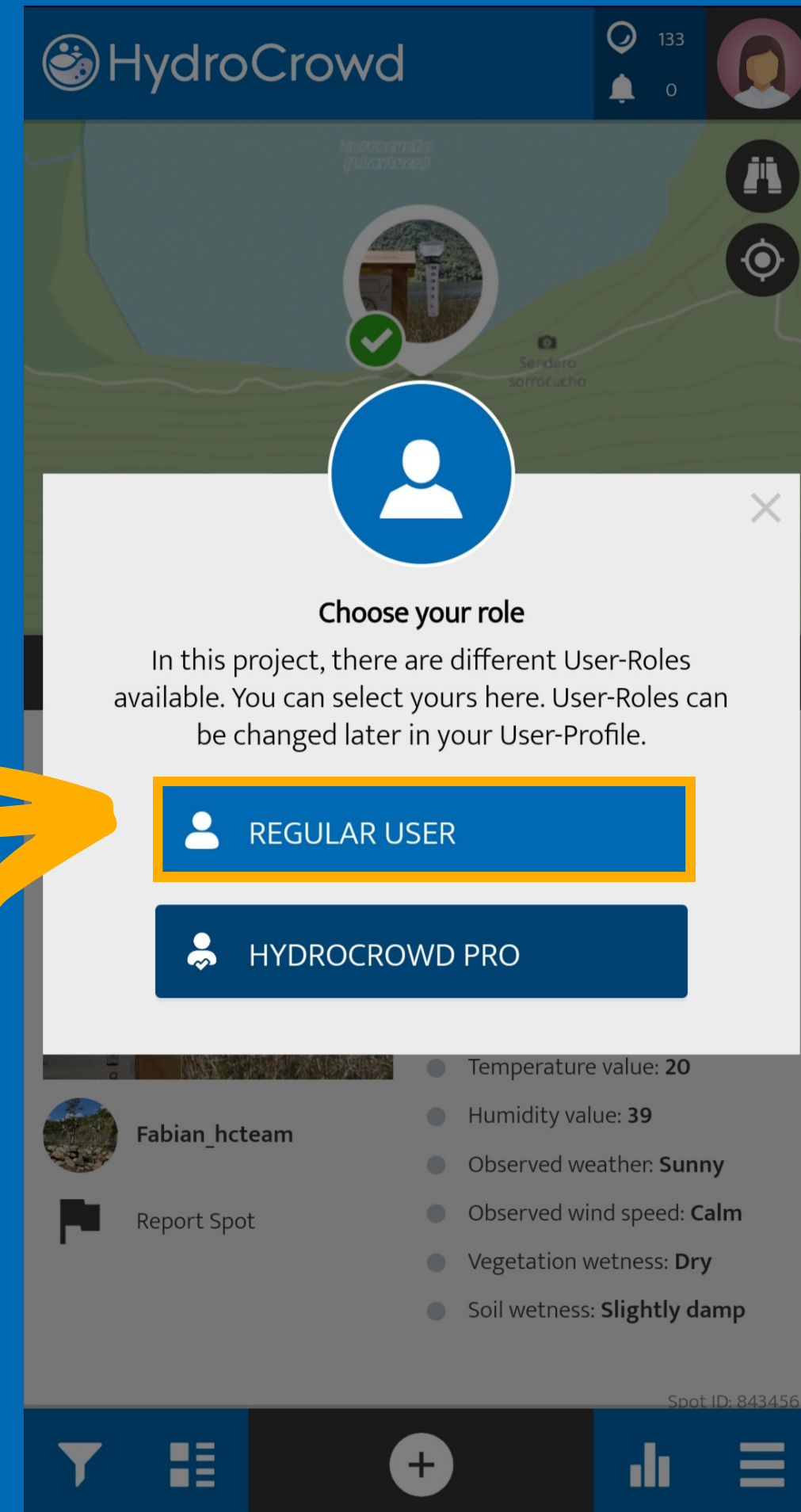
My background

By providing the following optional fields, you can personalize your user profile further and provide some background.

Motto


 **SAVE** 




Finally, when you use the app for the first time to submit an observation the application will ask you what type of user you are, choose: "Regular user".

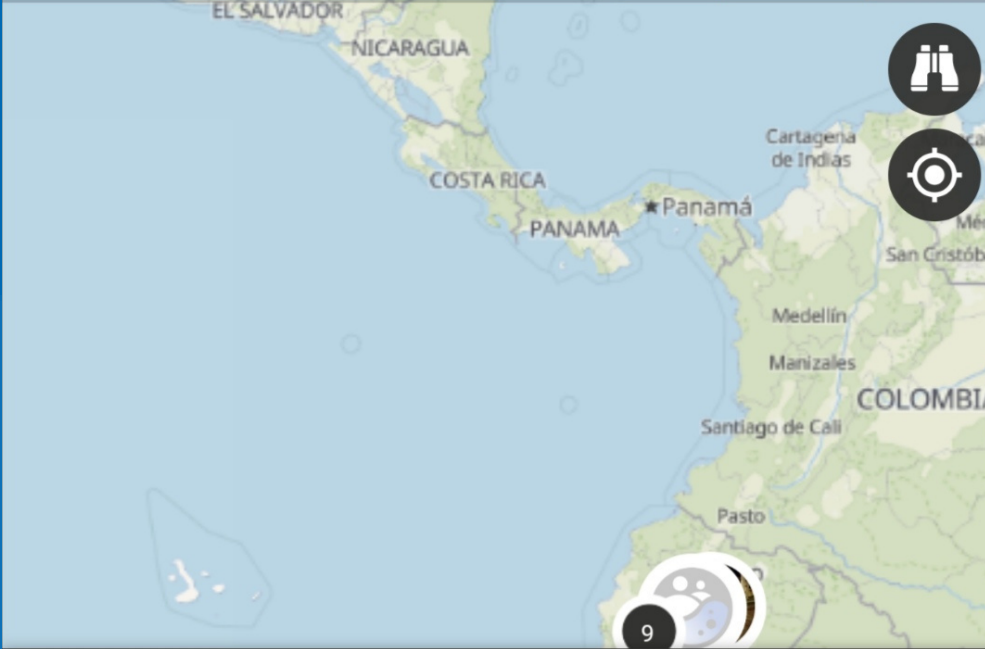





After registering, you
can log in with your
user name and
password.





133







LOGIN

×






Welcome to the App!

Please login with your email address and password or register a new SPOTTERON account to be part of the project:

 Login

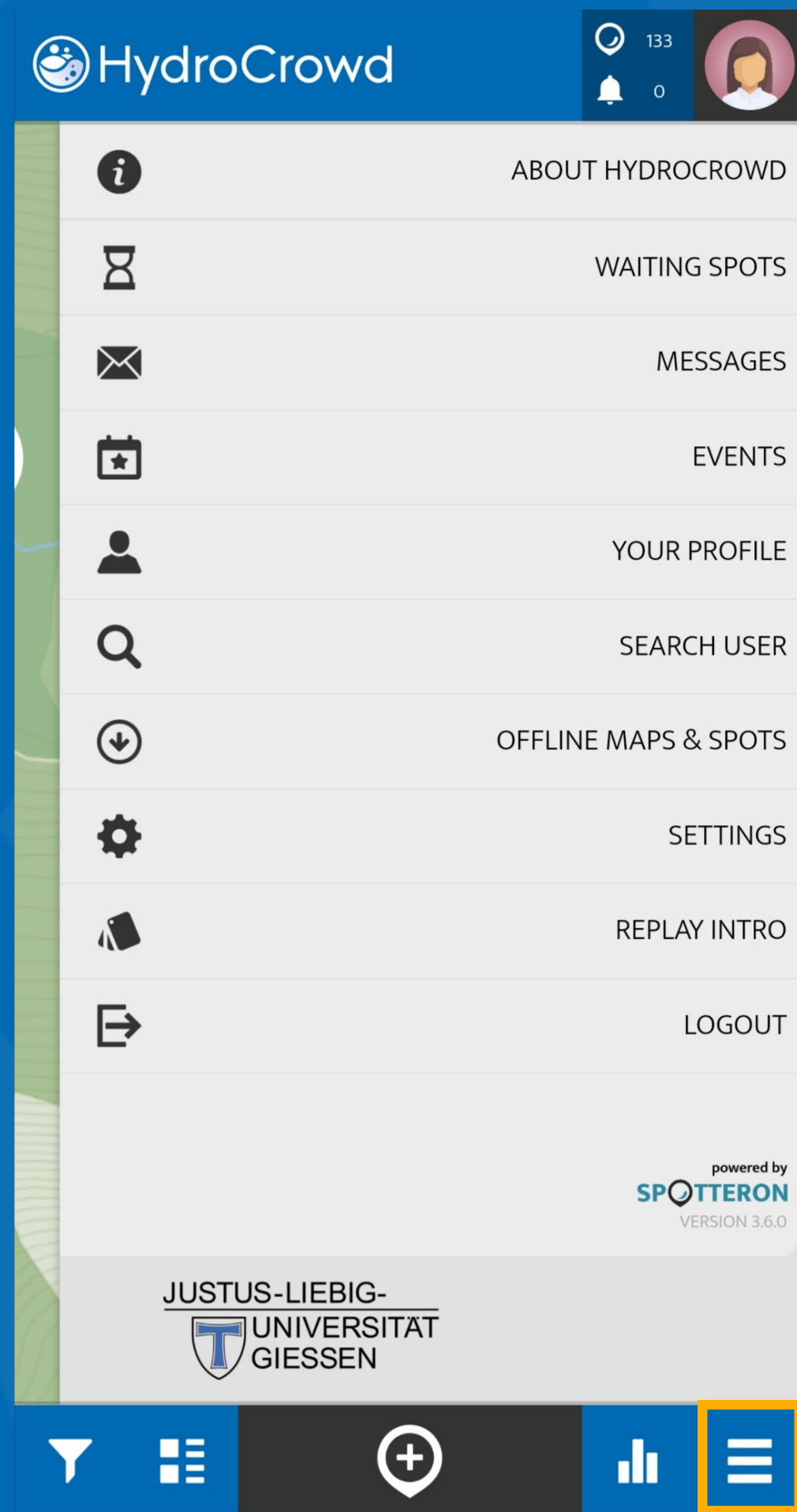
 Register

[Forgot password?](#)



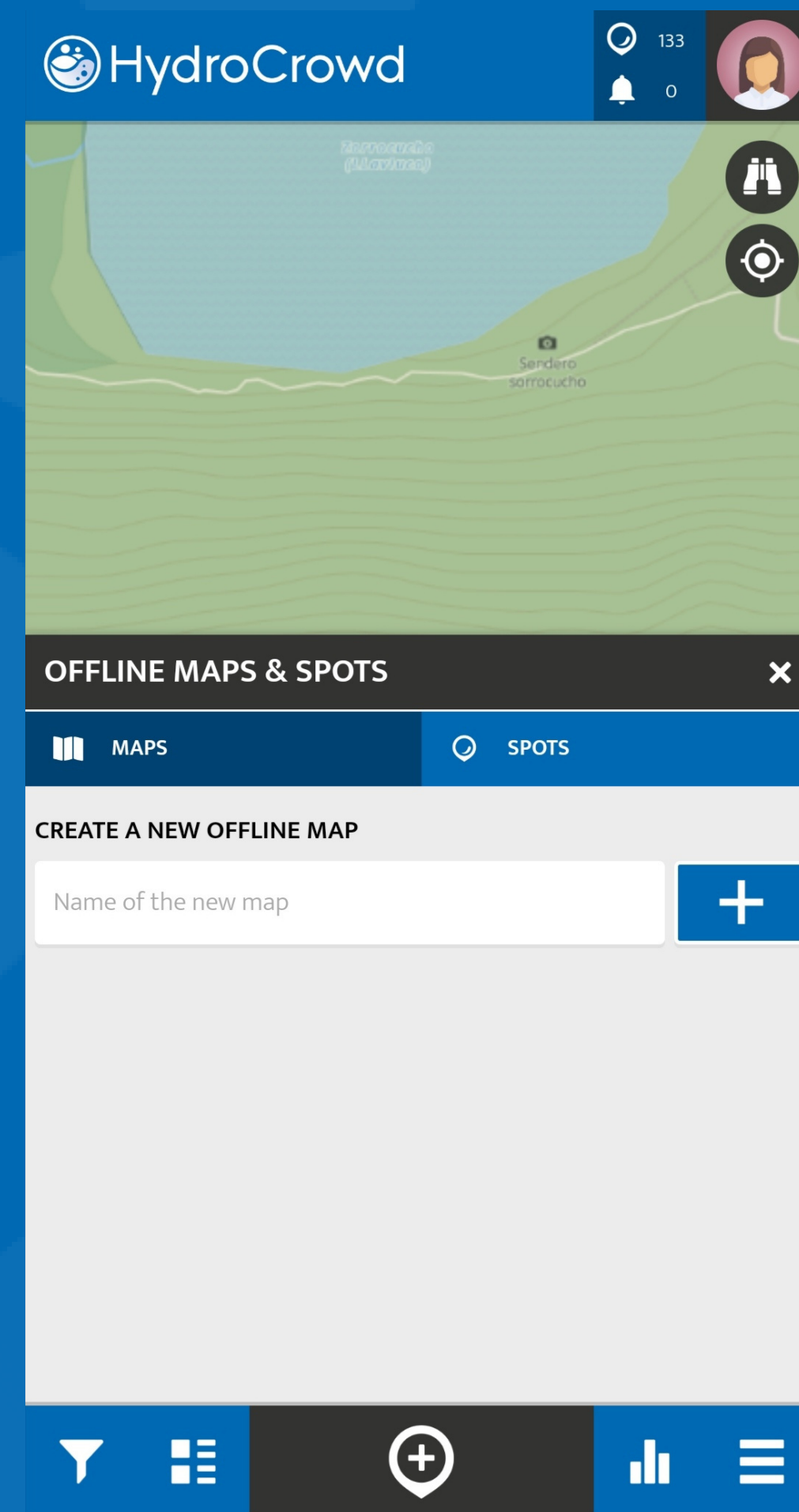
STEP 2

Find the station or area where you want to add observations and download for offline use



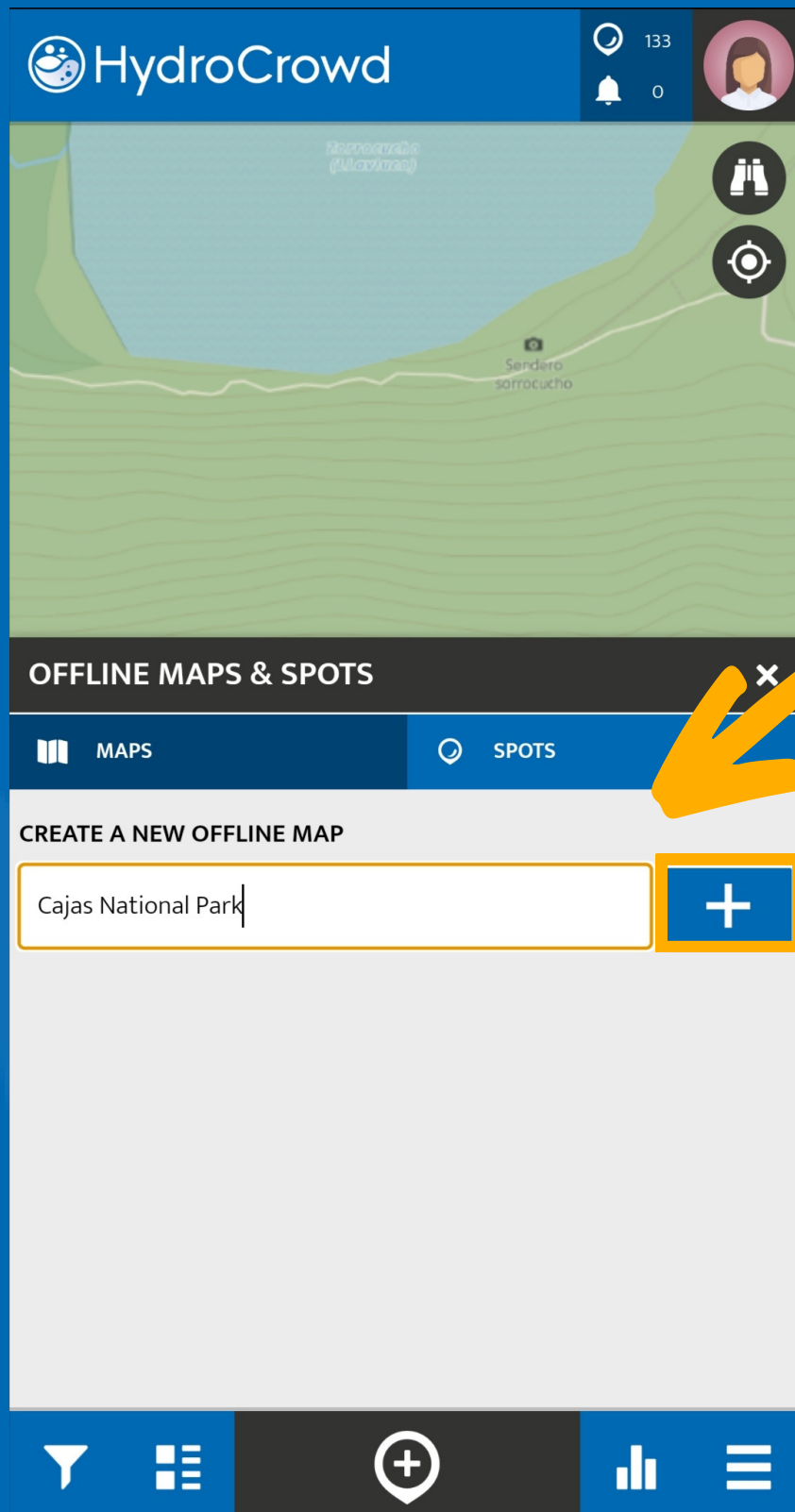
5 Select
"Offline
maps &
spots"

4 Click on the
button with
the three
lines (menu)



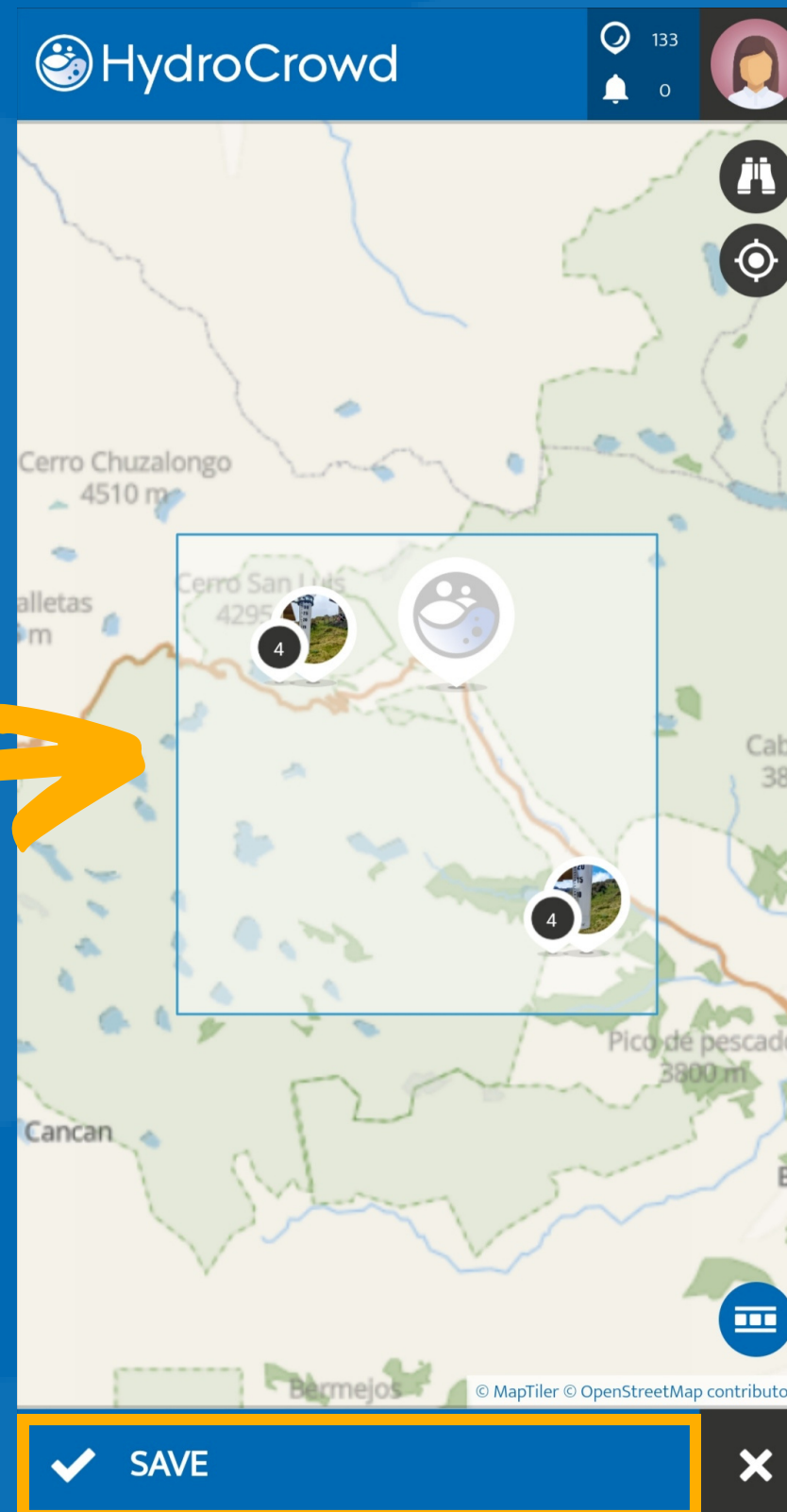
6 Choose 'Maps' to
start creating
your offline map

To create an offline map

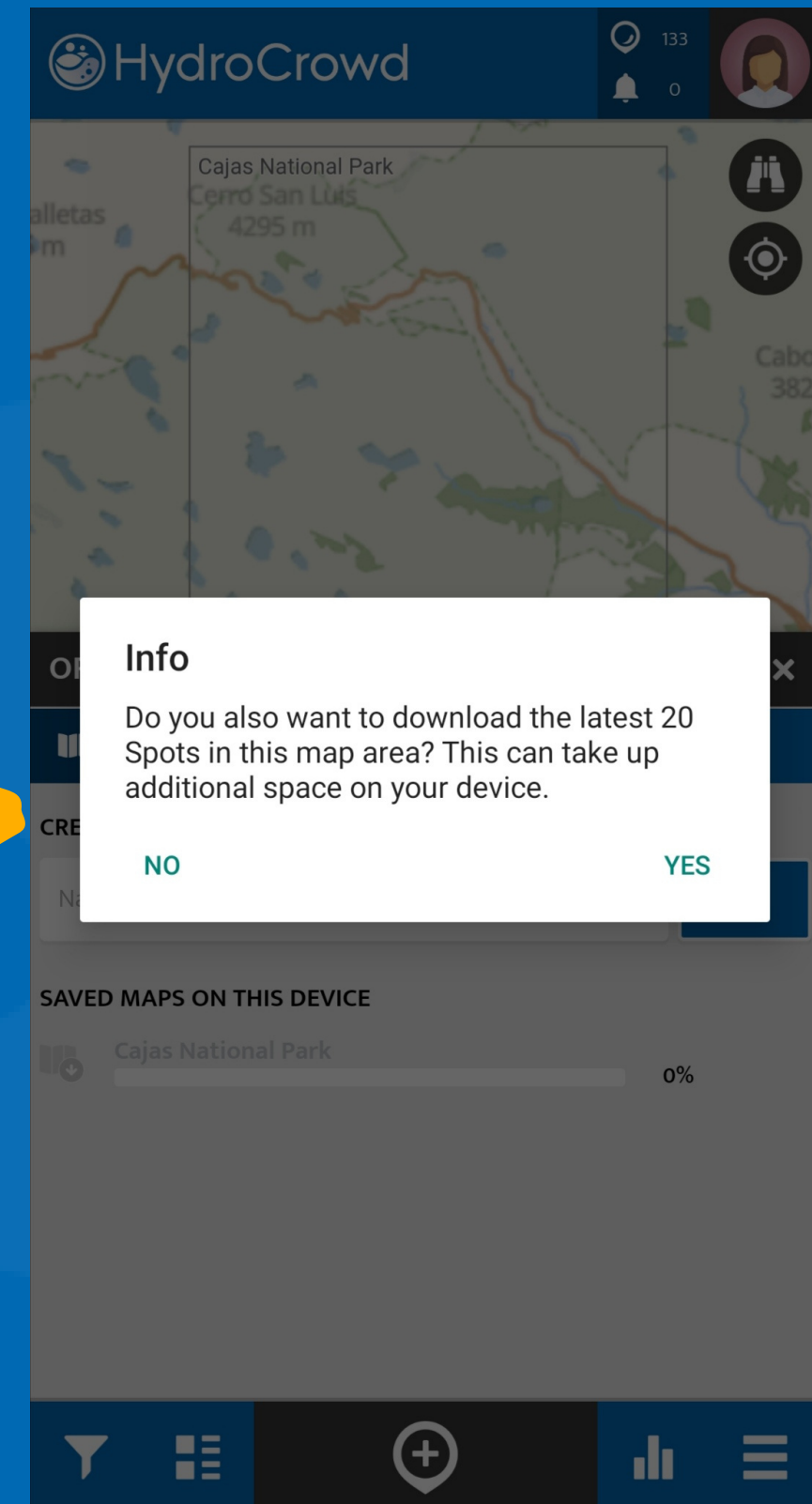


7 Give your map a name and click on "+"

Navigate the map such that area to download fits in the square and click on "Save".



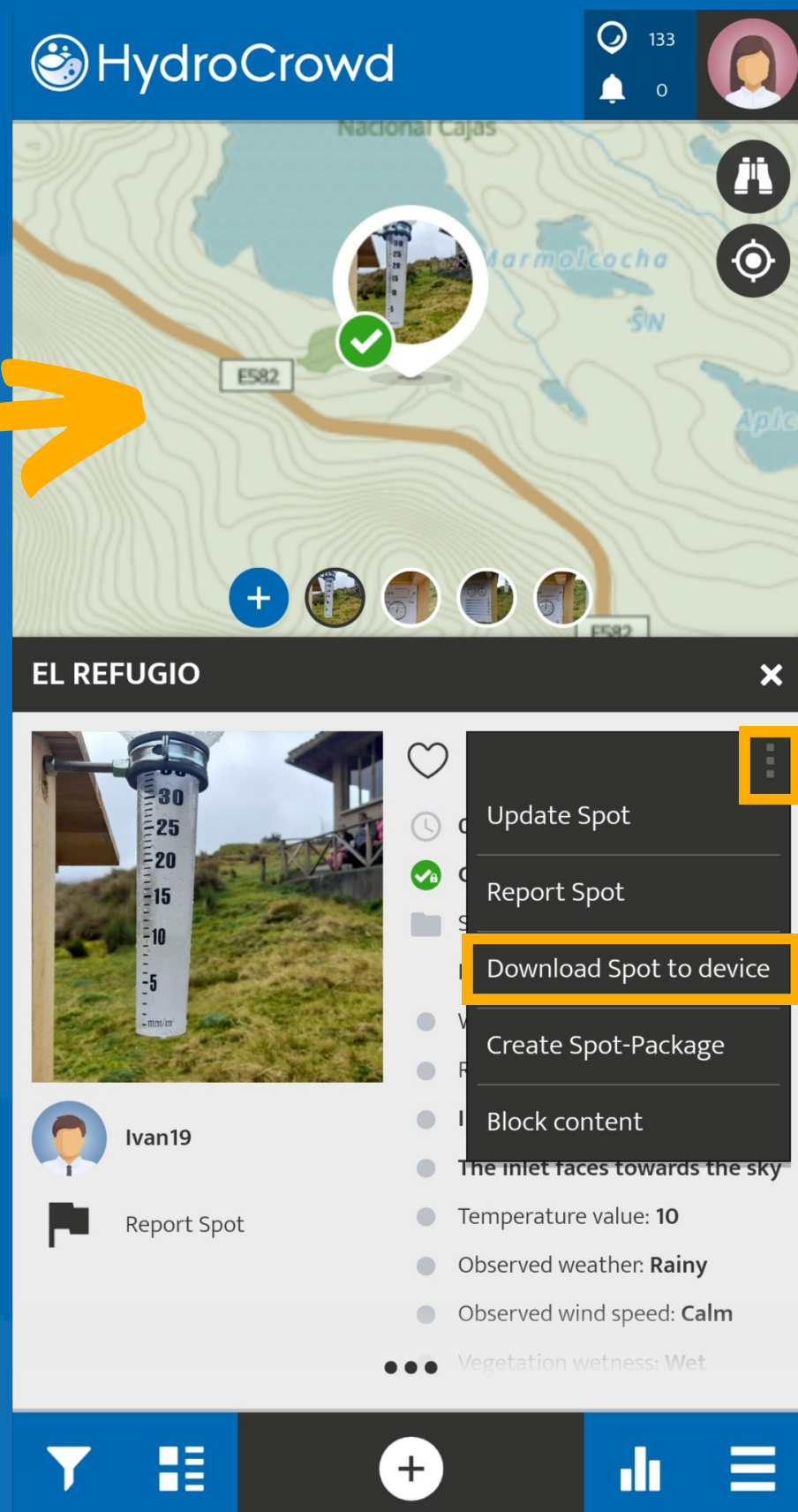
8 The application will ask if you want to download the latest 20 spots (stations) in the area



To download a station

9

Find the station
you want to
download on the
map



When the station is
downloaded, a green
arrow will be shown in
the upper left corner.

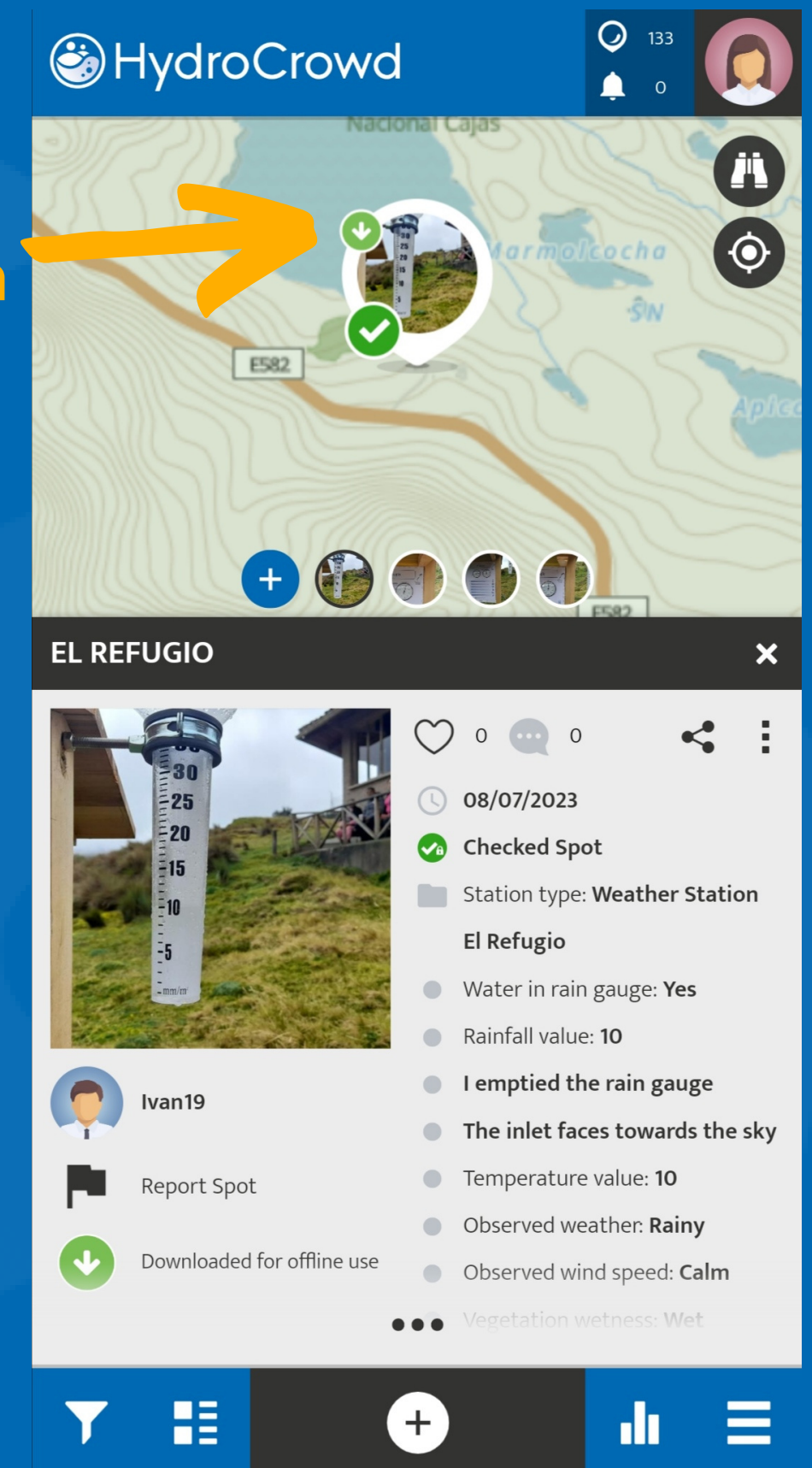
10

Click on the
station menu



11

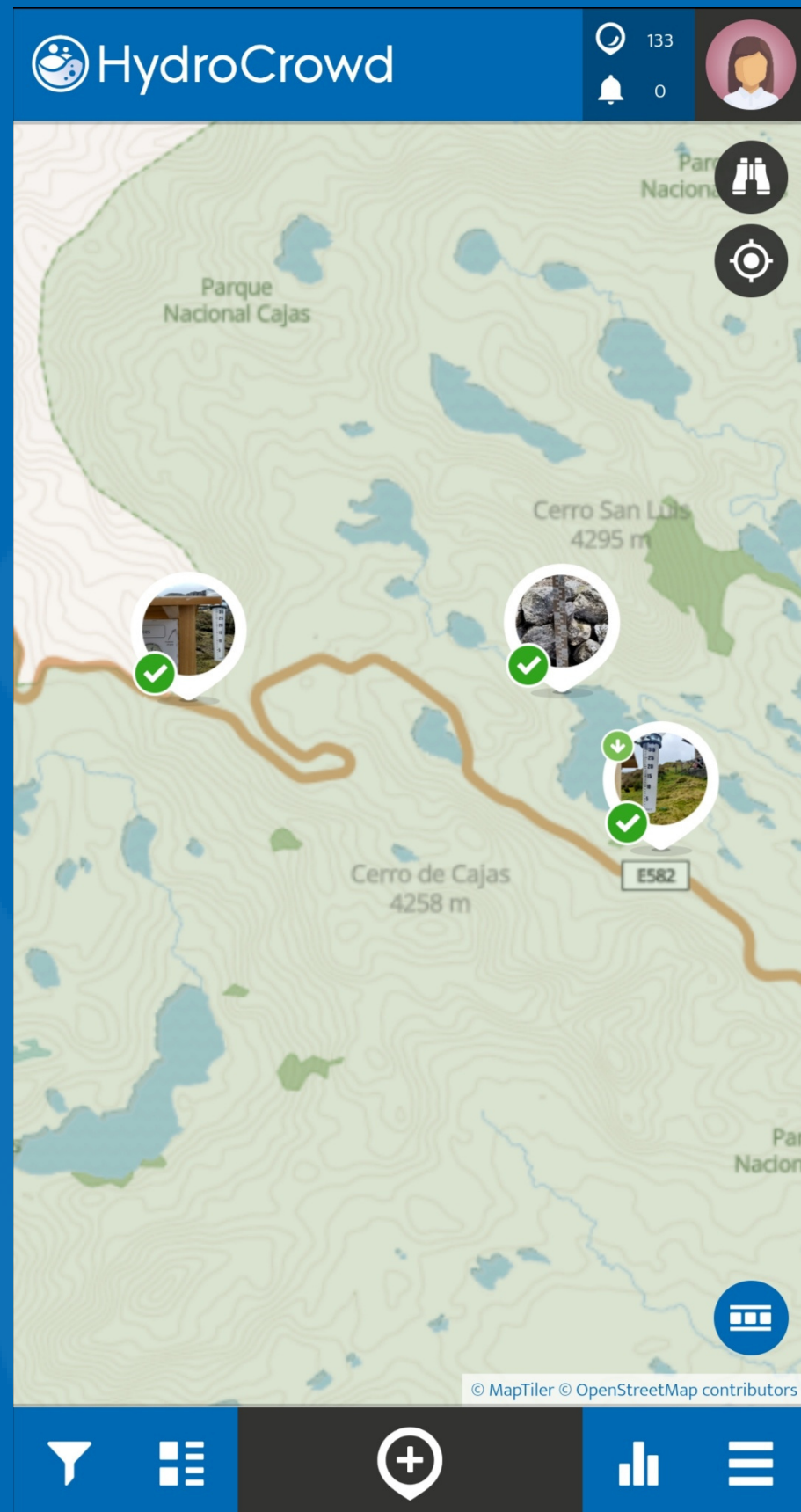
Select
"Download Spot
to device"



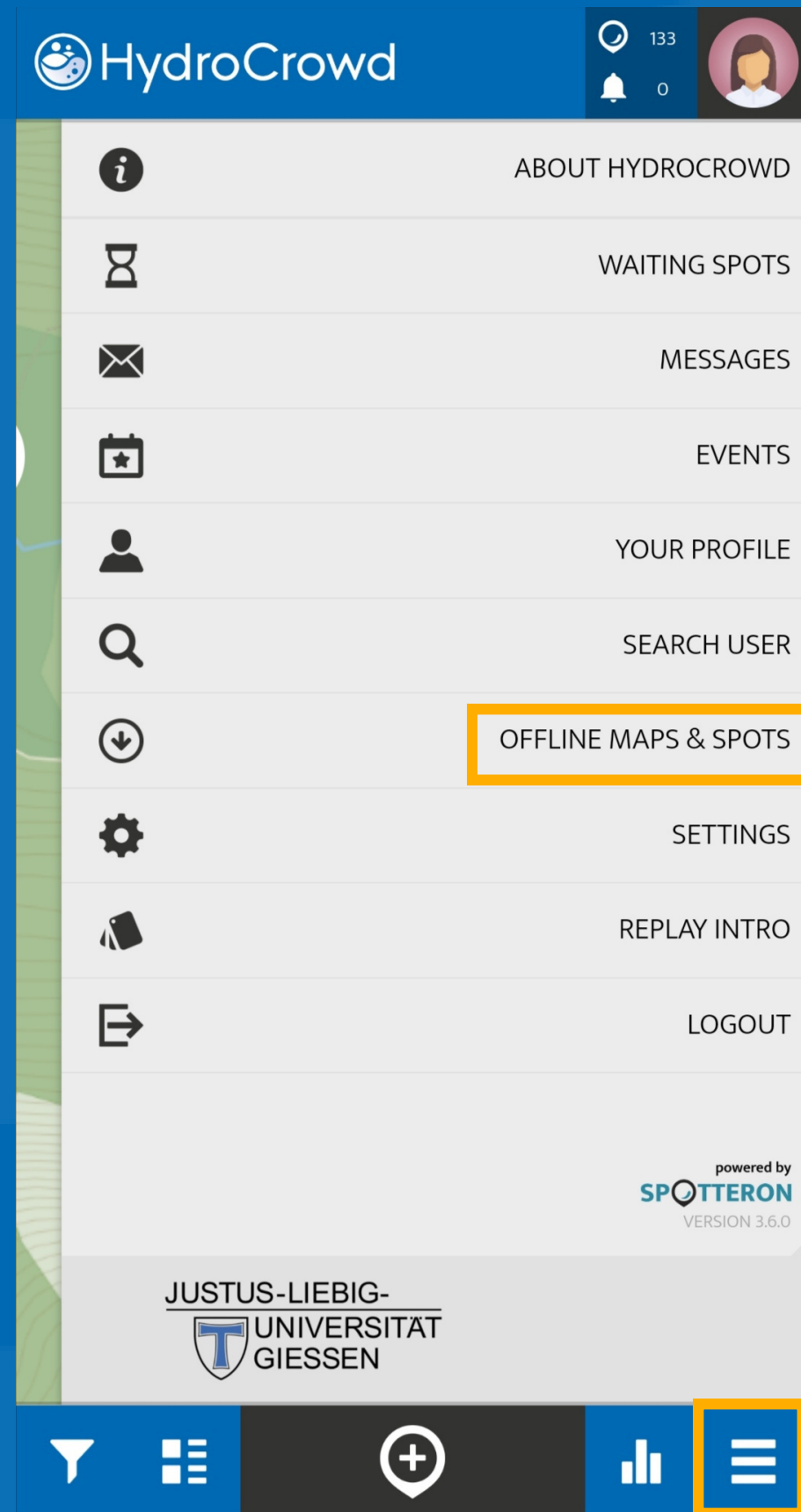
STEP 3

Add an
observation for
a HydroCrowd
station

12 Navigate the map until you find the station for which you want to add an observation

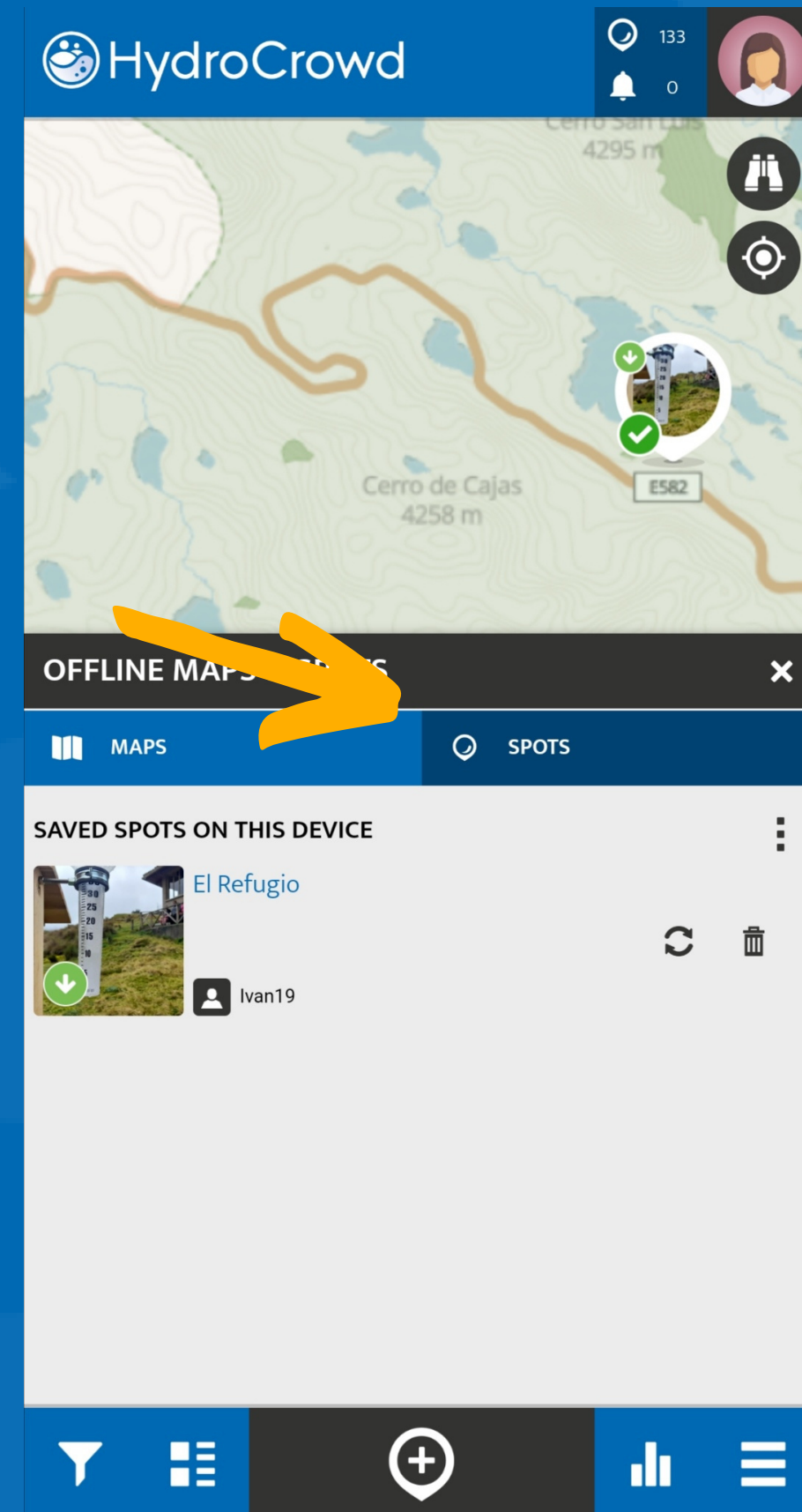


OR



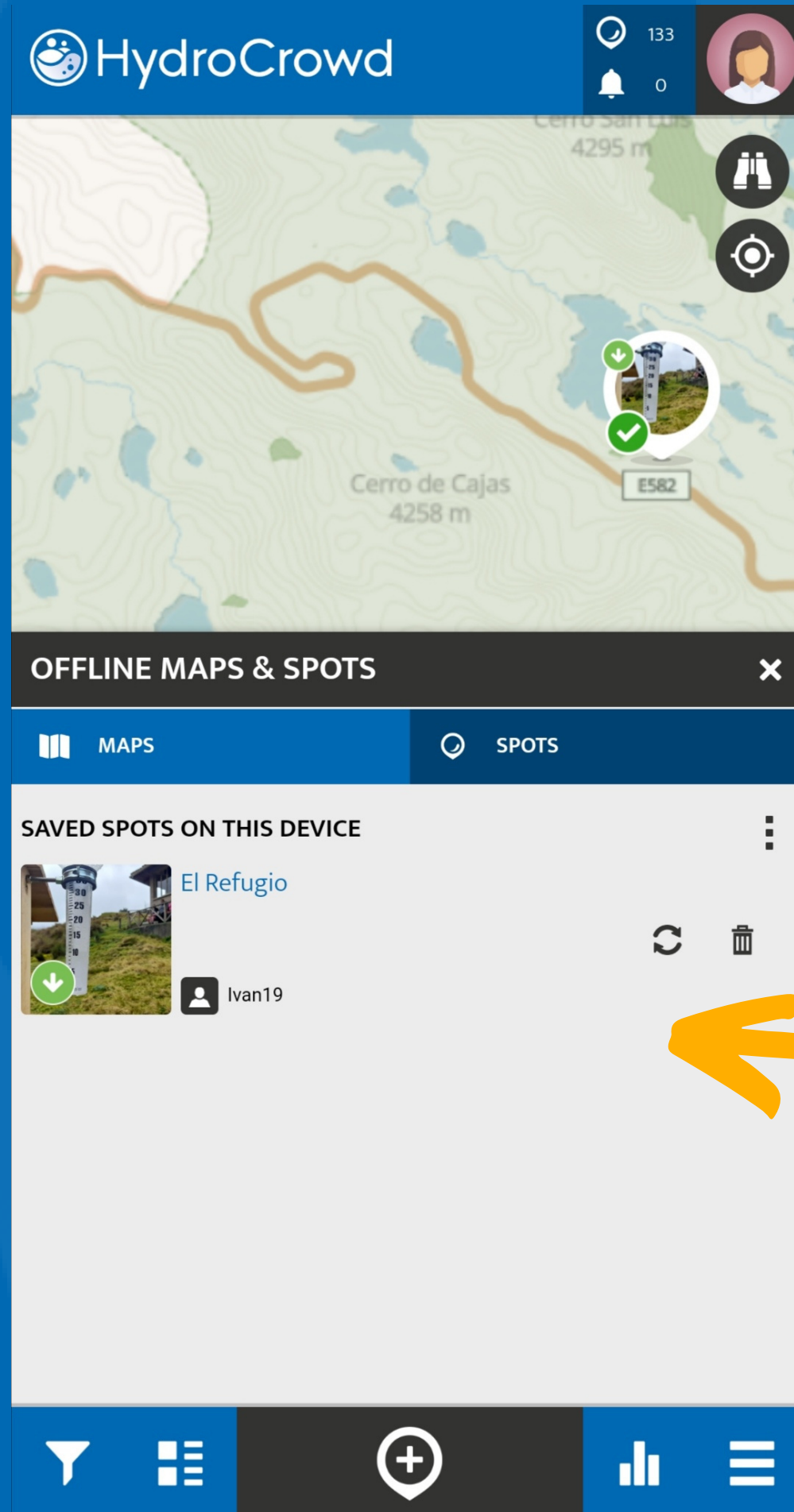
Go to 'Spots'

14



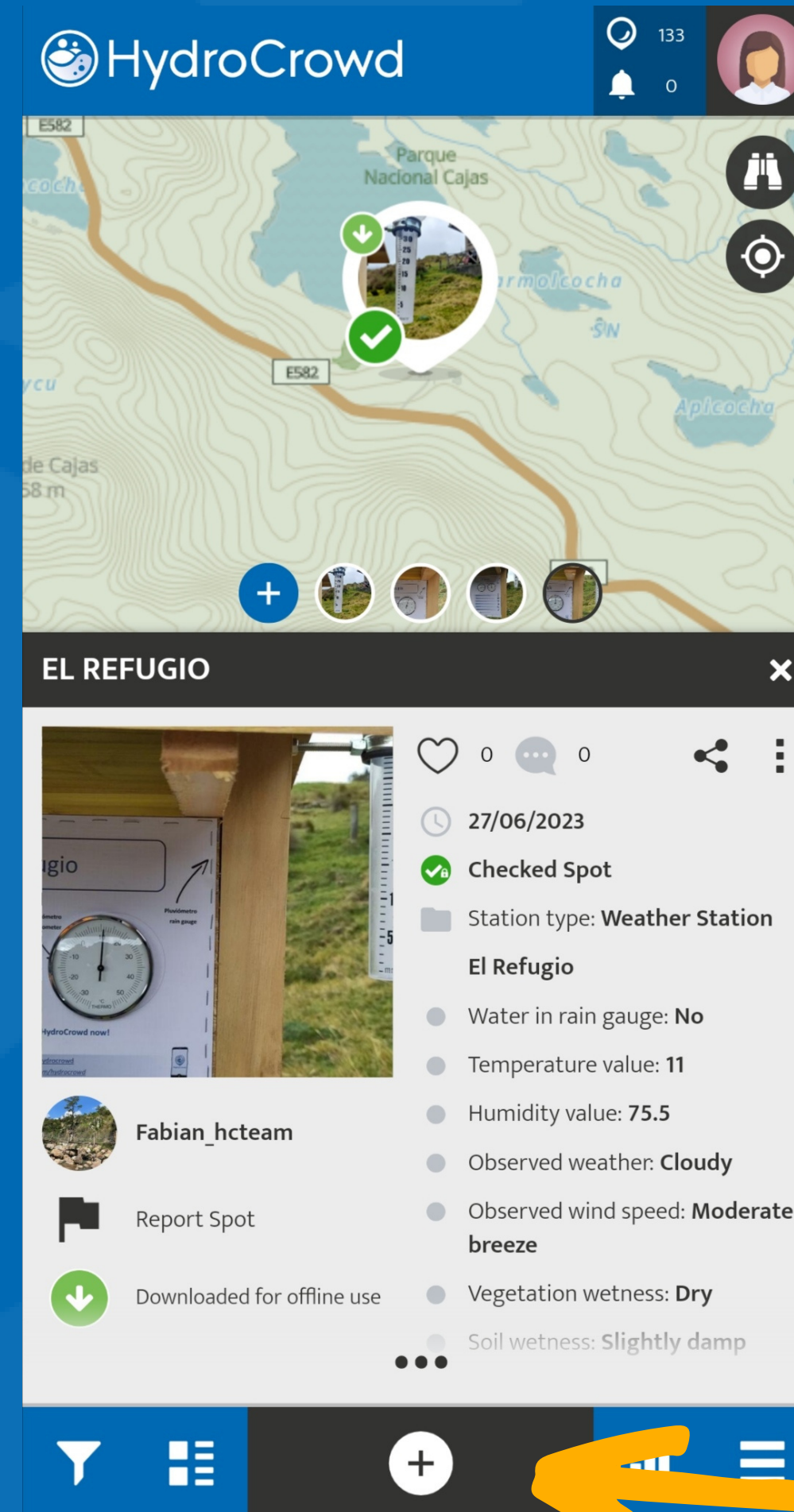
13

Click on the menu and select "Offline maps & spots"



15

Select the spot
for which you
want to add an
observation



16


Click on the "+"
button to add a


17
After completing your measurements,
create your personal code to help us
improve the application (it is enough to
do this only once).




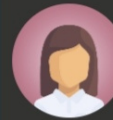
18 Save your
observation

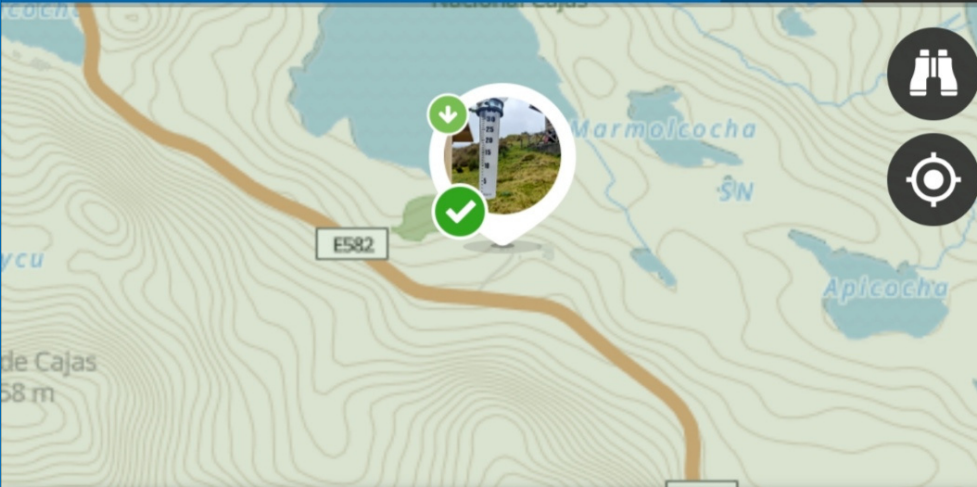


HydroCrowd

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UPDATE SPOT

MOIST

SPONGE-LIKE

FLOODED

Is the weather station damaged?


☐ The weather station is damaged


Would you like to share anything else?

Additional comment


Thank you for your participation!


We are interested to know how we can improve the project. Would you like to share your HydroCrowd experience?



YES


NO

30/07/2023 | 03:57 pm



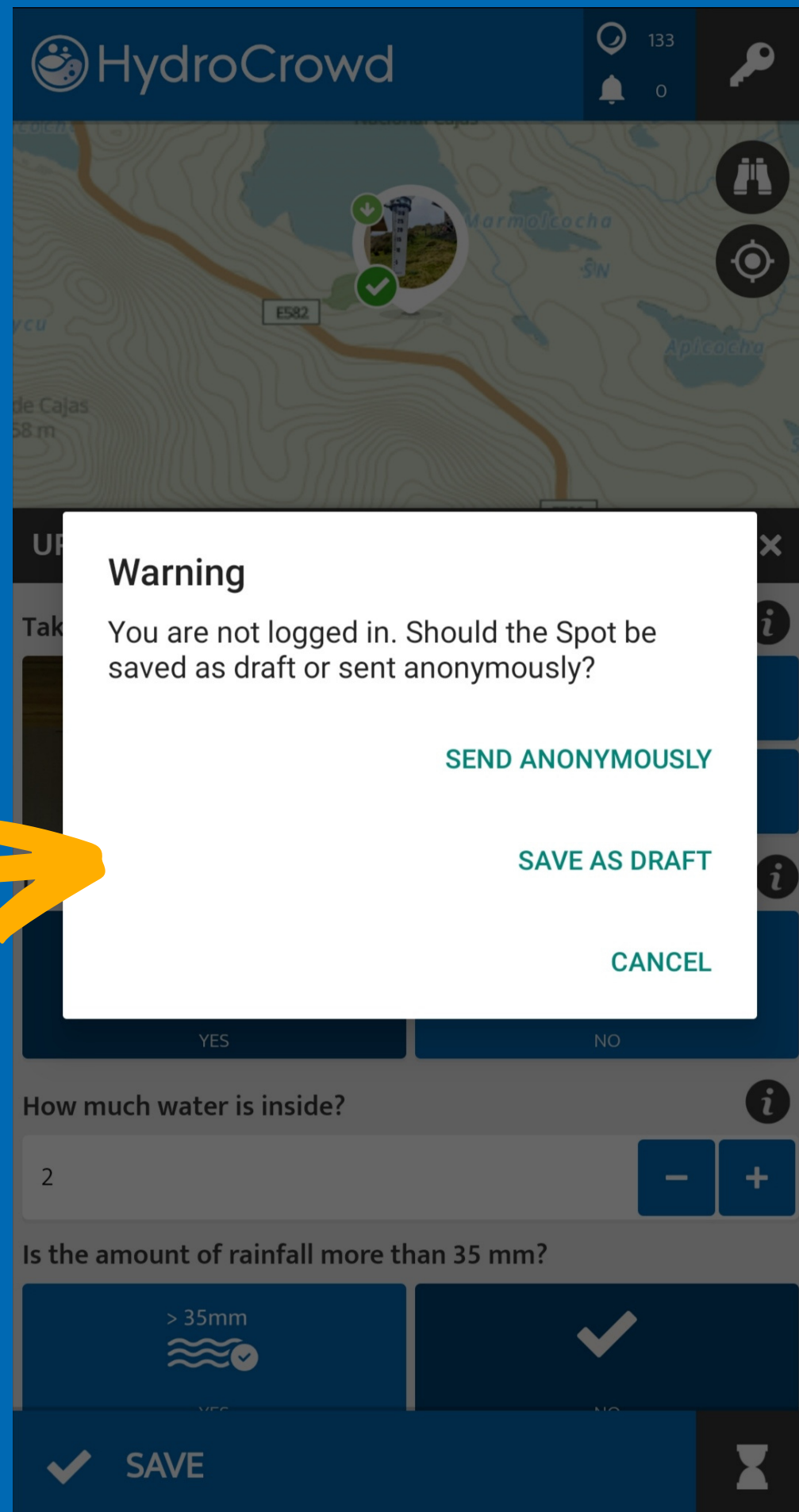
 SAVE





If you are not connected to the internet and have not yet logged in with your account

Select "Save as draft"

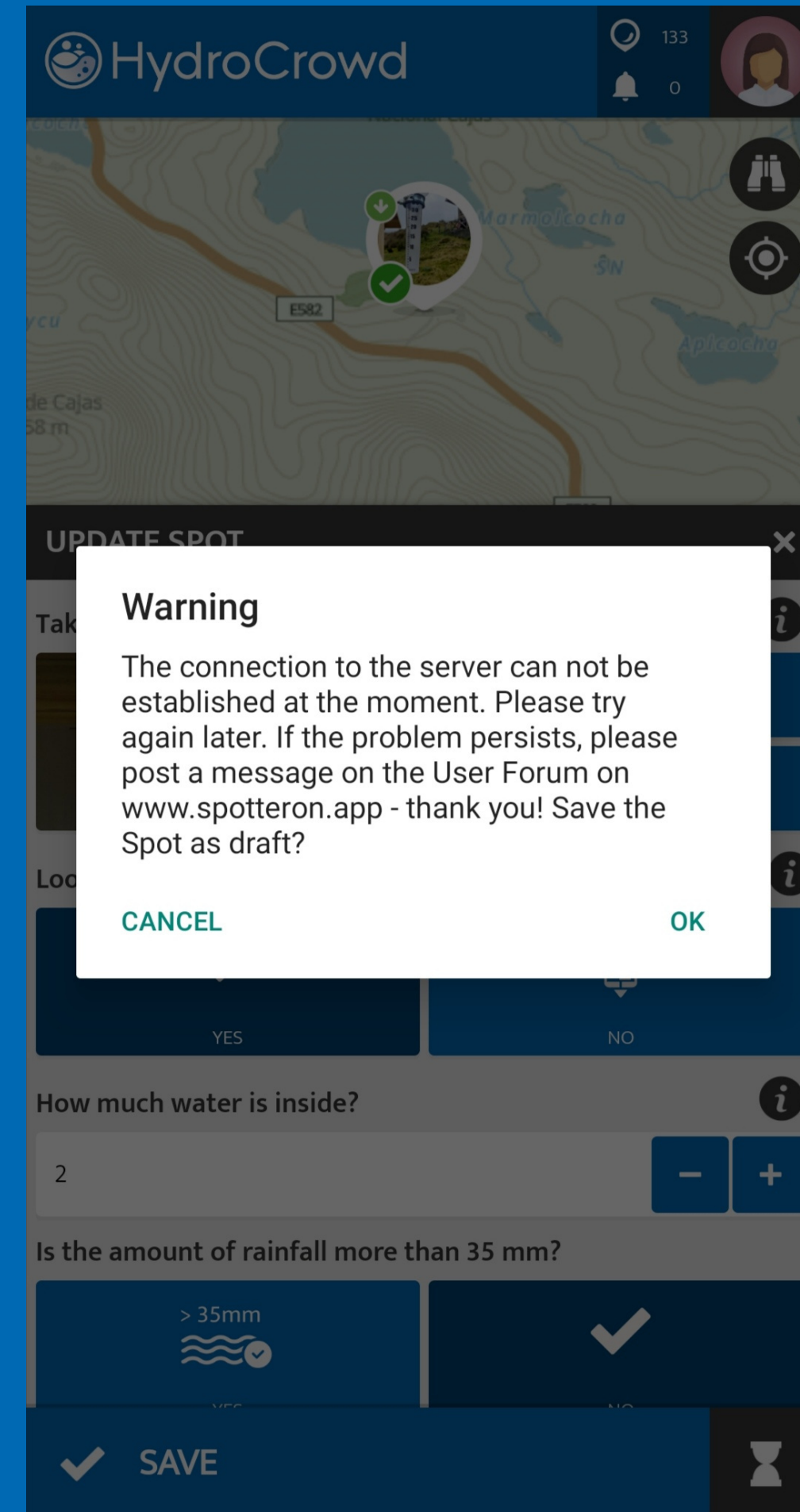


If you are not connected to the internet, but are logged in with your account

Select "OK"

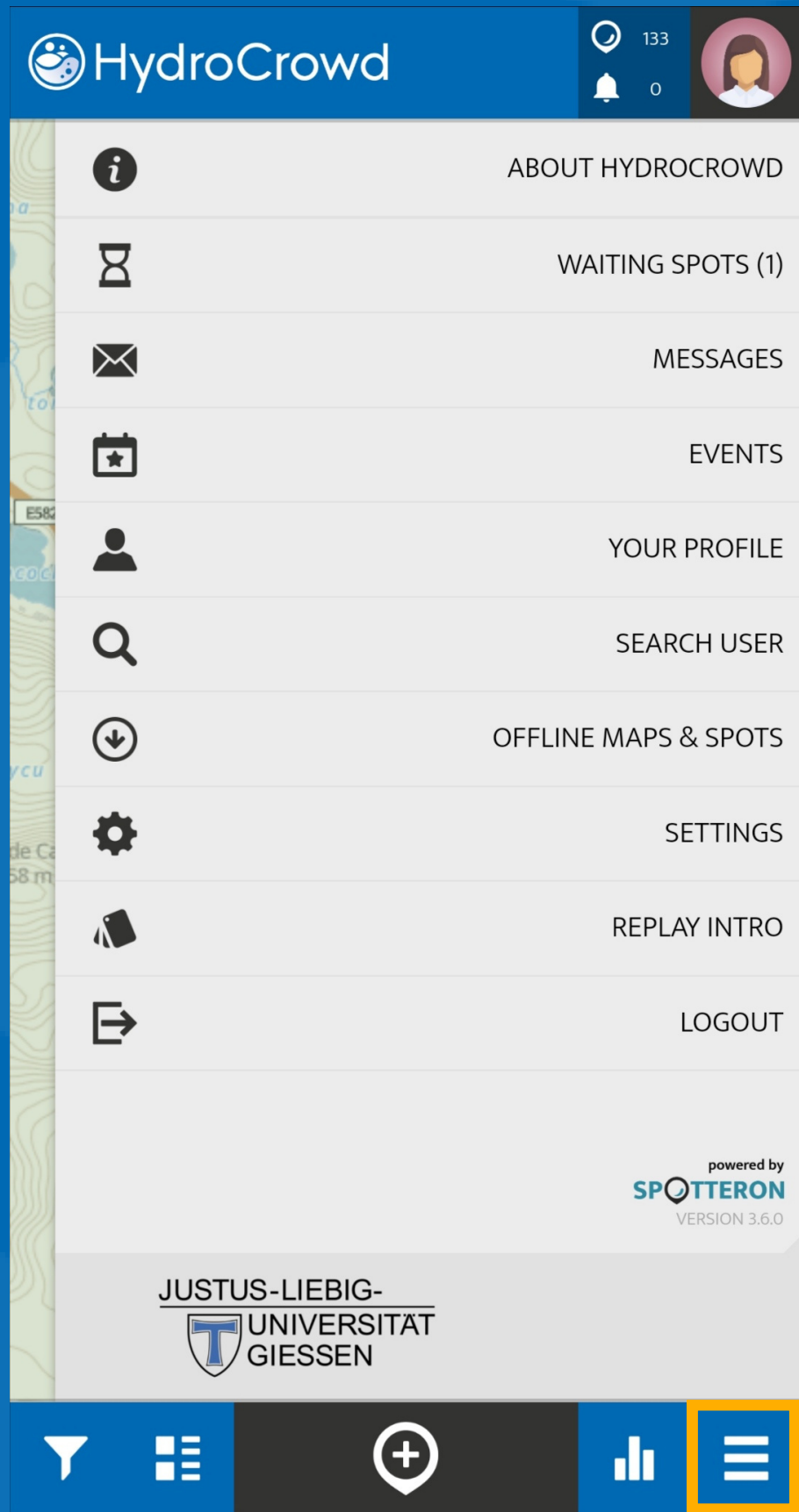


In both cases, the app will save your observation as draft



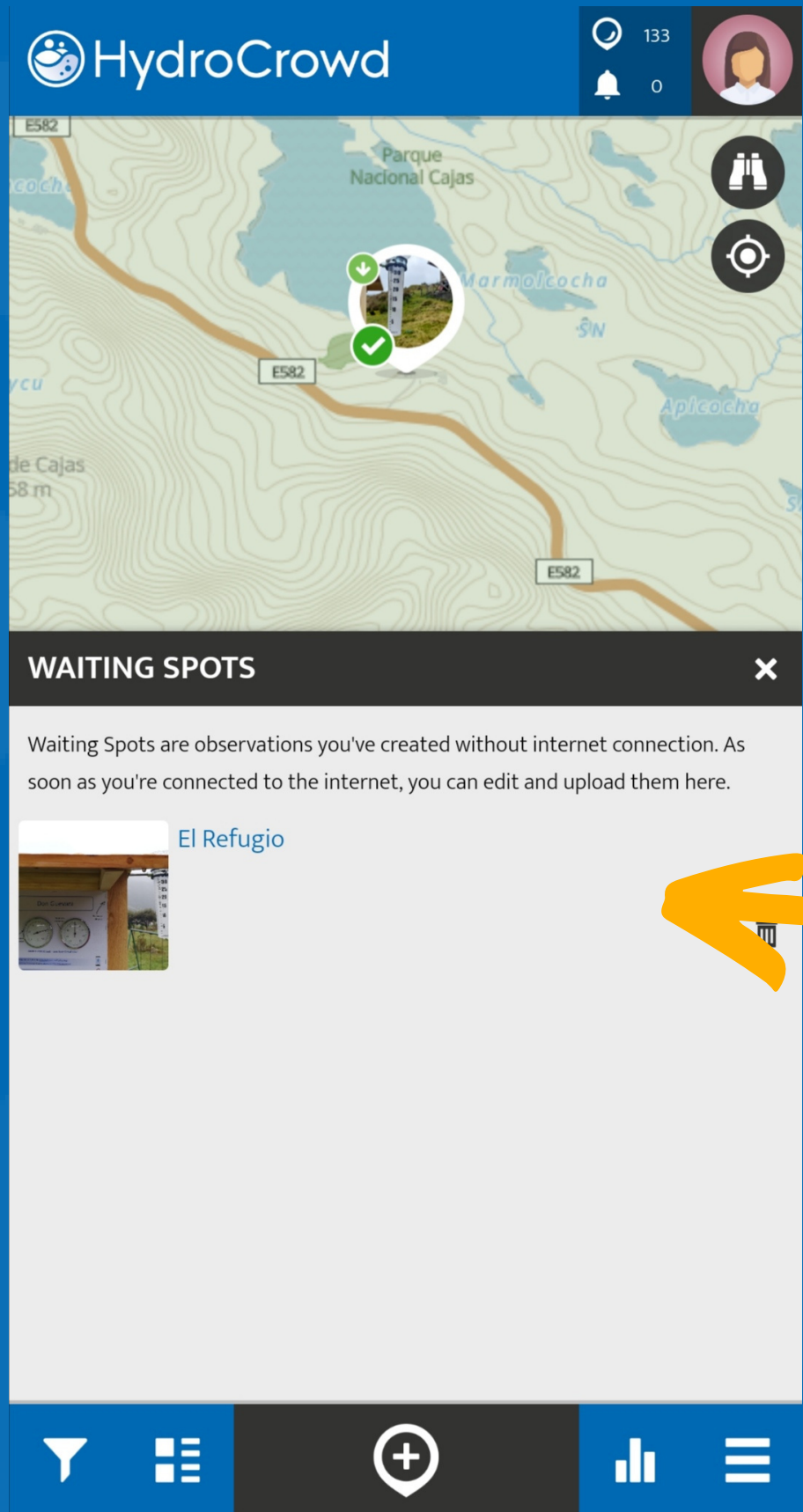


The observations saved as a draft can be found under "Waiting spots".



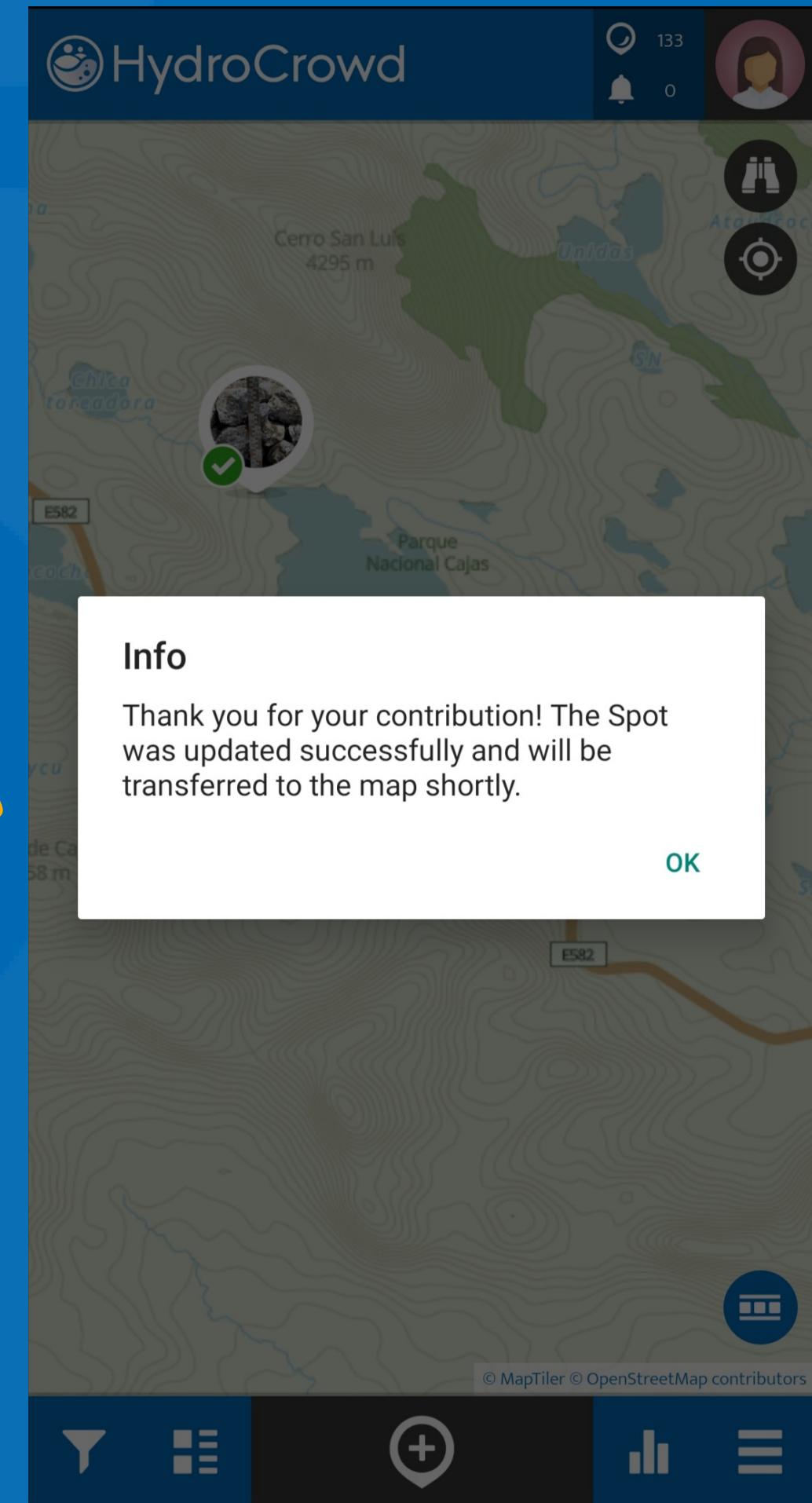
Select "Waiting spots" 20

19 Enter the menu



21 You will be able to upload the waiting spots as soon as you have internet connection

The application will confirm that the observation
was added successfully



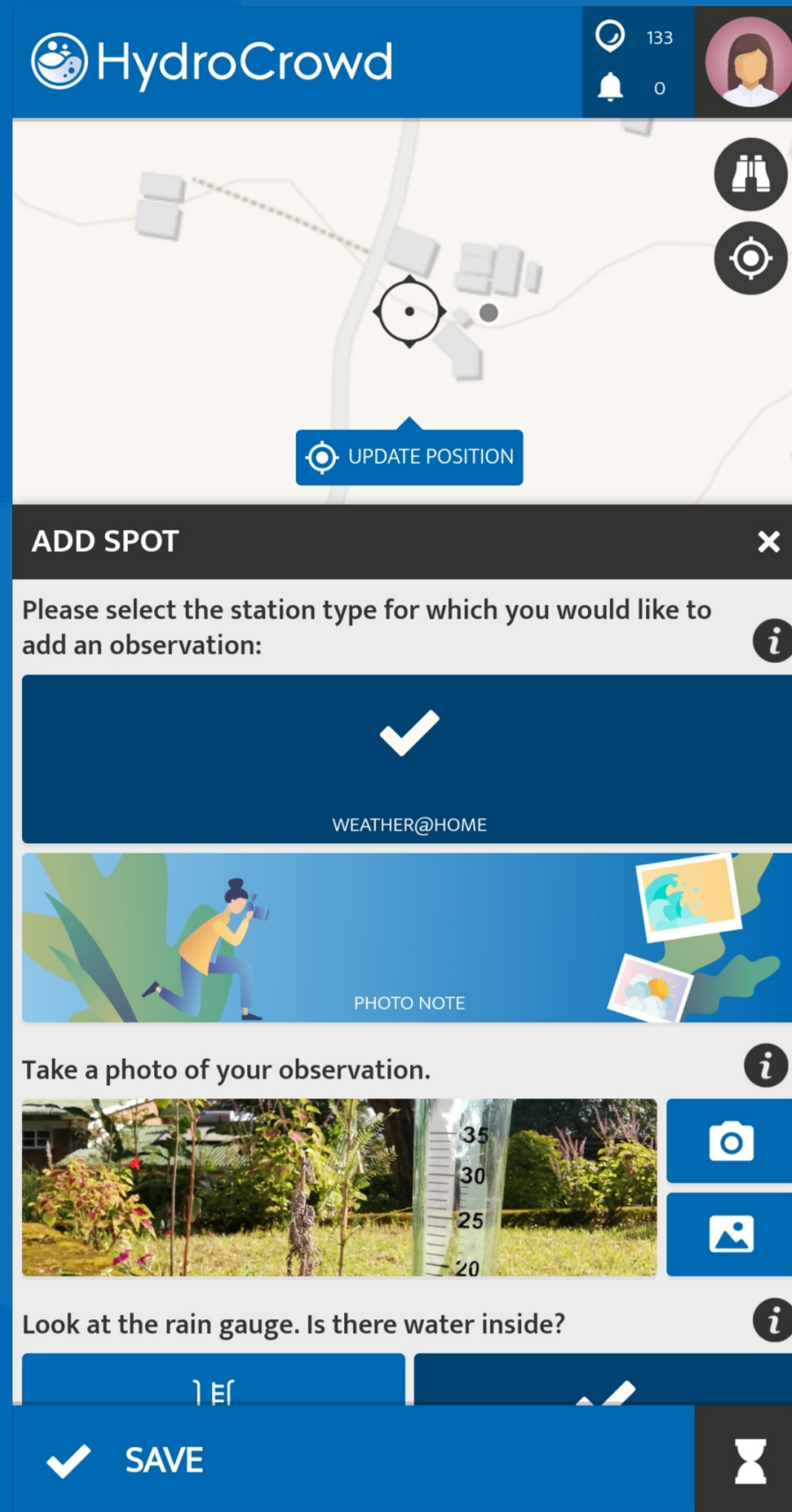
Creating
"Weather@Home"
stations and
reporting "Photo
notes"

To create a new
"Weather@Home"
station for rainfall
measurements

22



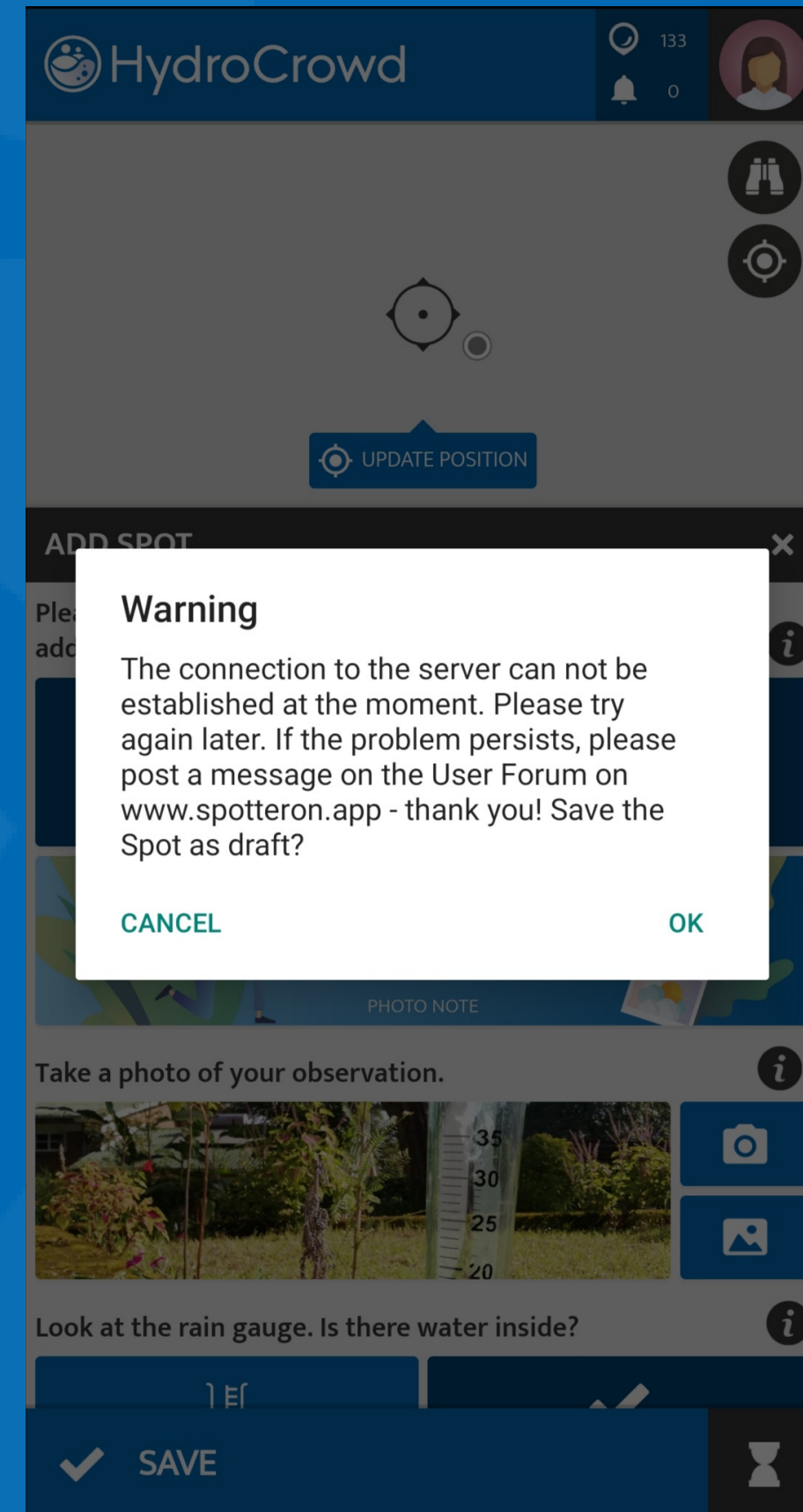
In the map,
move to the
correct
location



23



Select
"Weather@
Home"



If you do not
have internet
connection



Click on "OK"
to save your
observation
as draft

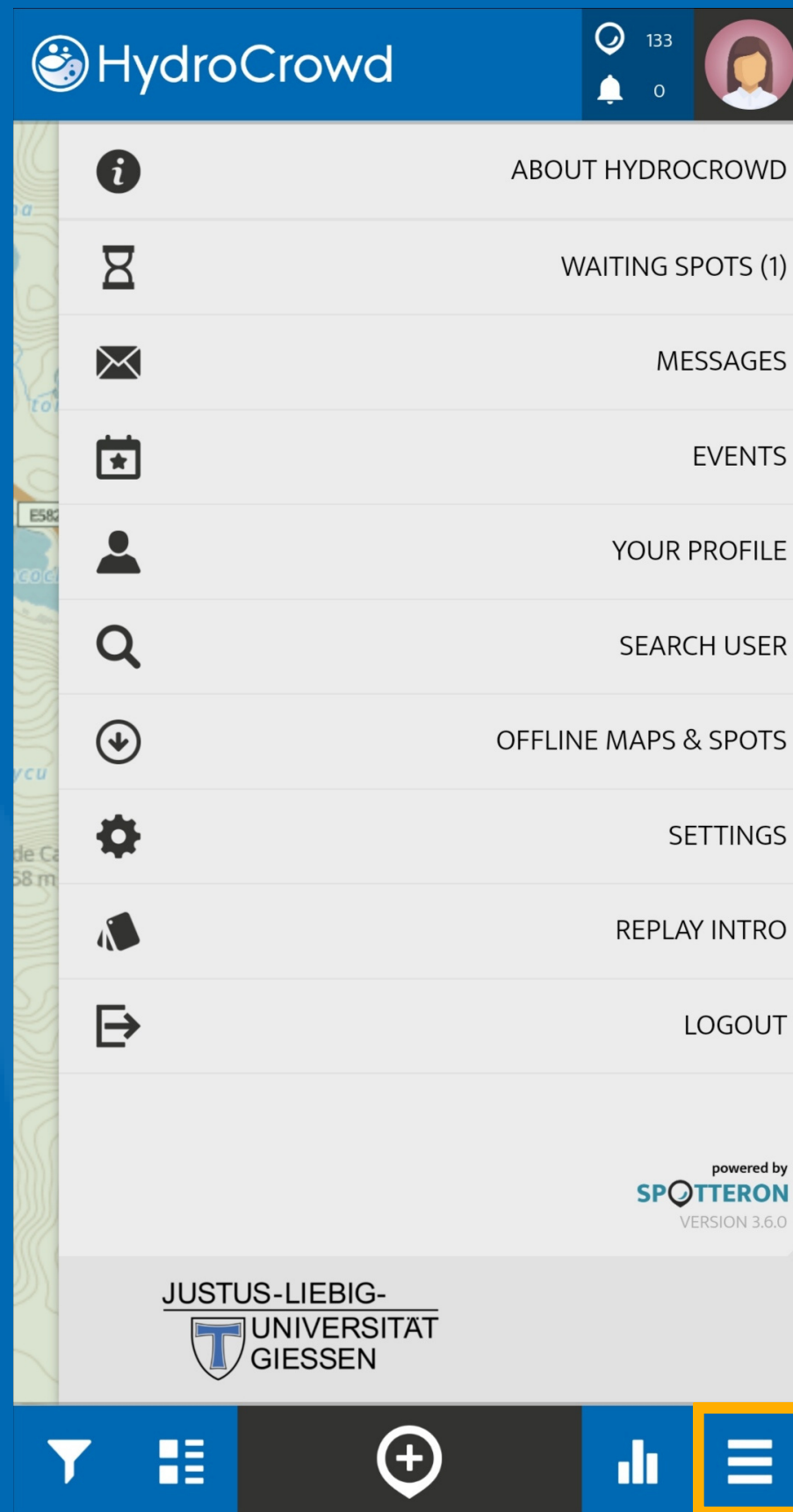
24



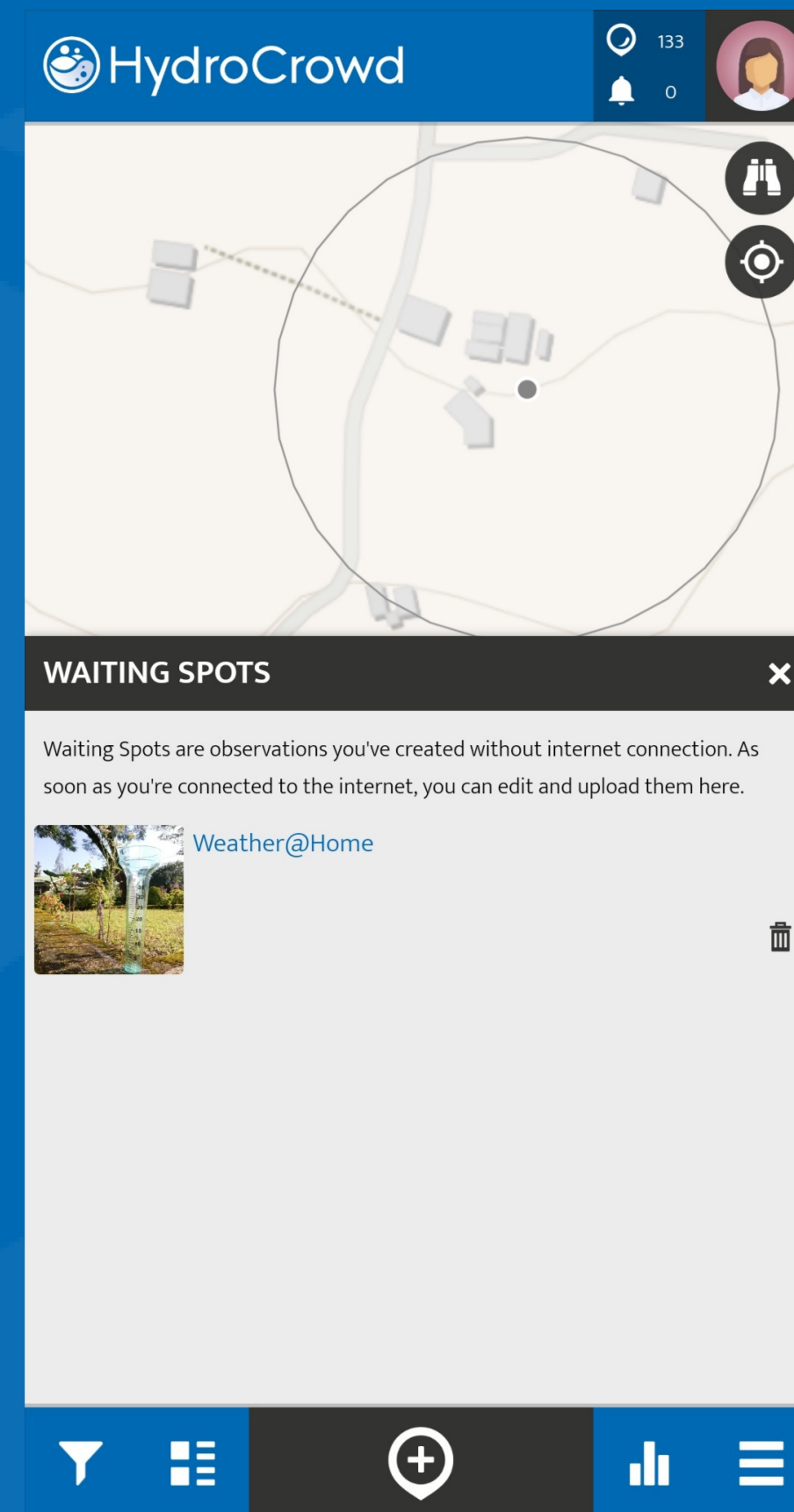
Complete and
save your first
observation



When you have internet connection, upload your observation and download the station for offline use



26
Select "Waiting spots"



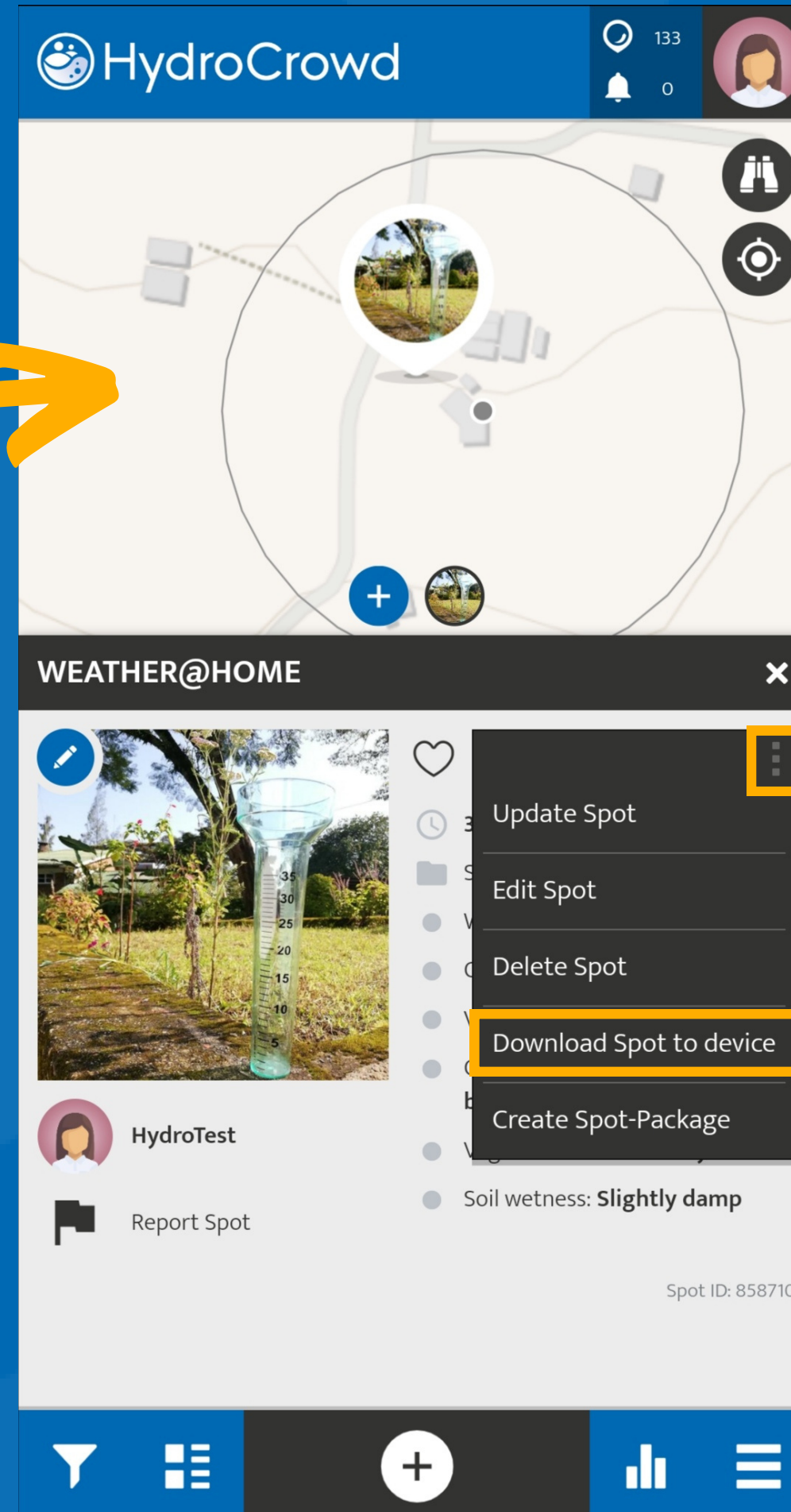
27
Select the observation you want to submit



Do not forget to
download the
station to be able
to use it offline

28

Select the
"Weather@Home"
station on the map



29

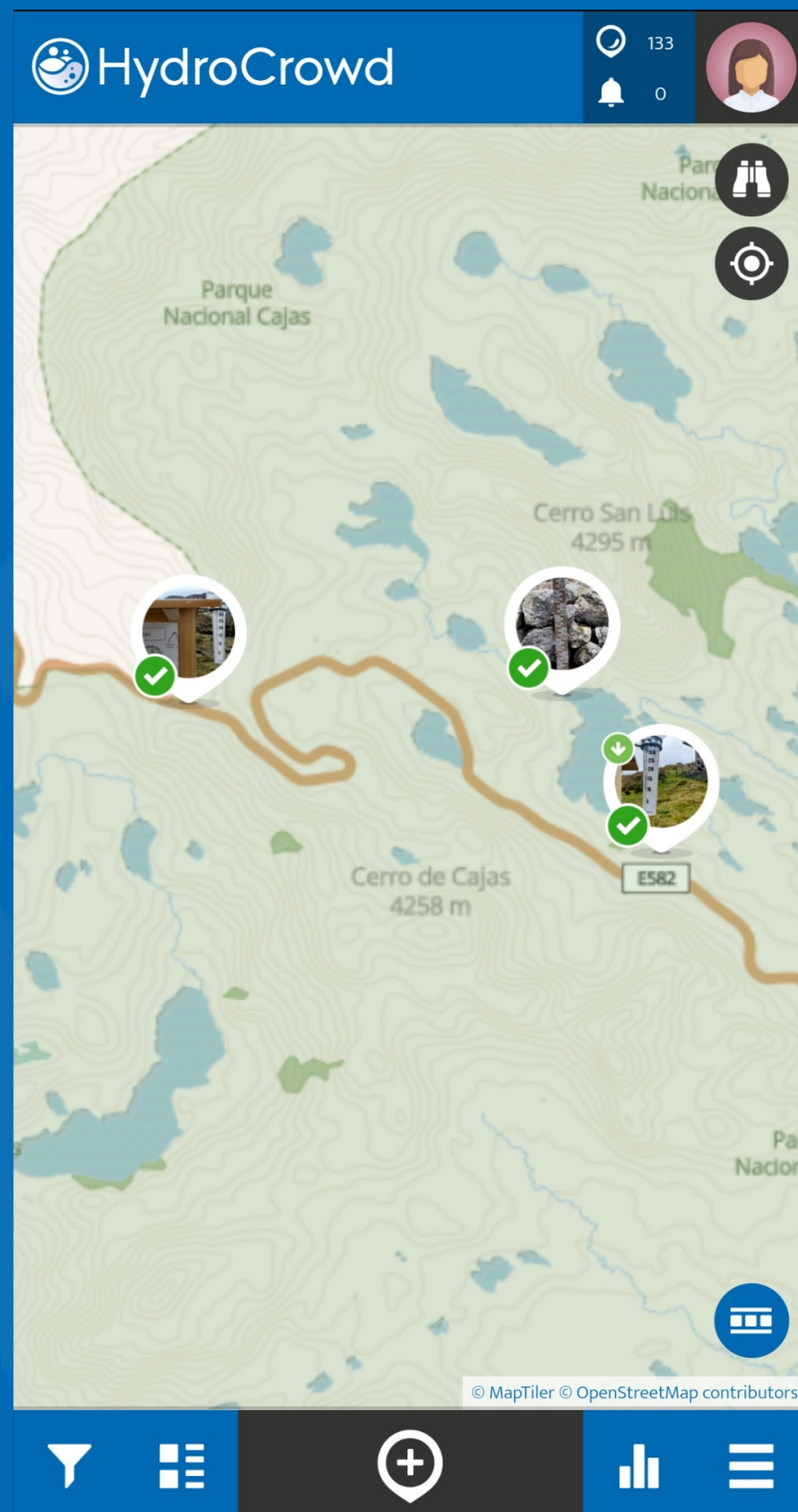
Click on the
station menu

30

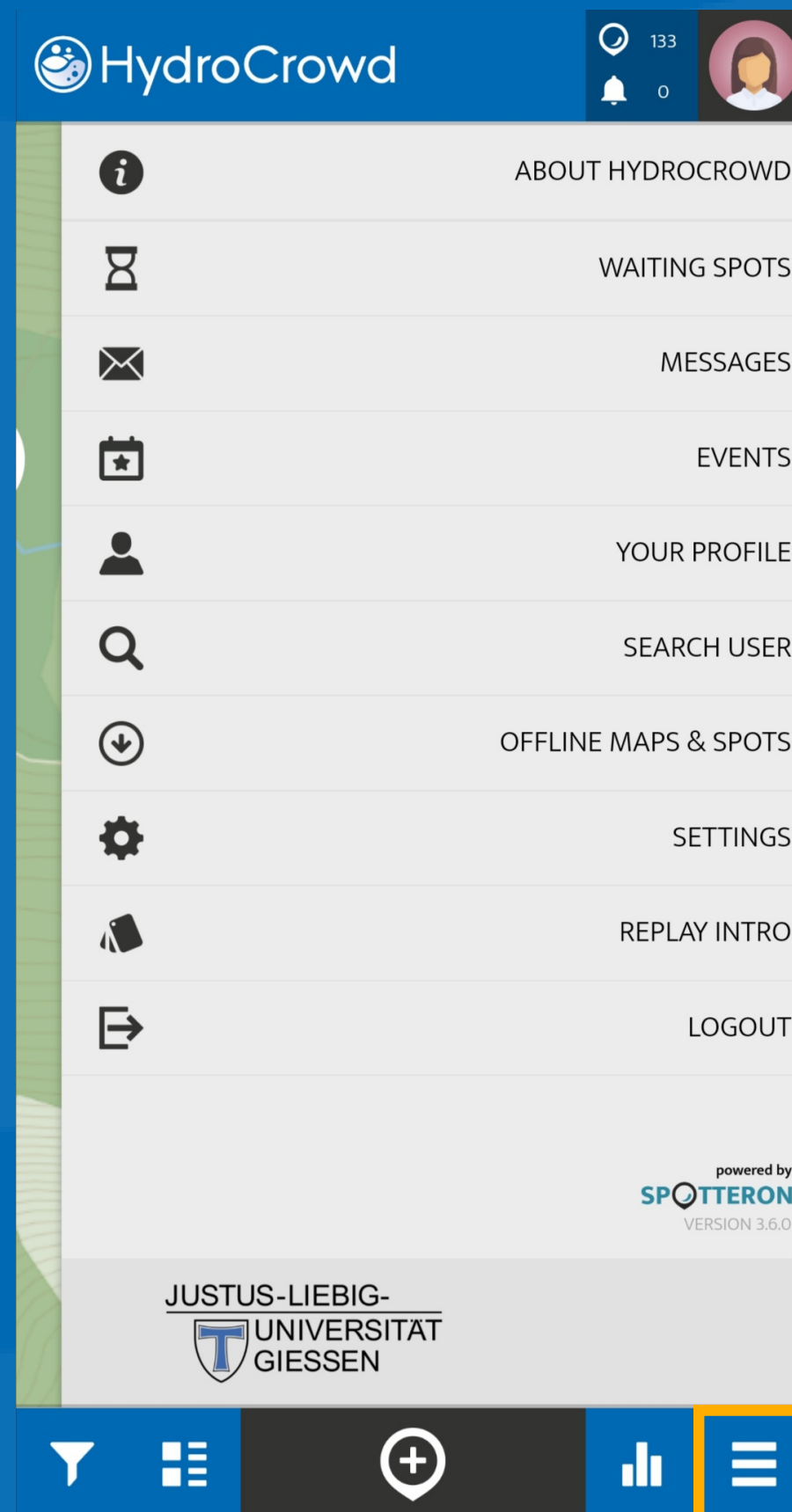
Select
"Download
Spot to
device"

To add a new observation to a
"Weather@Home" station

31 Navigate the map until you find your "Weather@Home" station



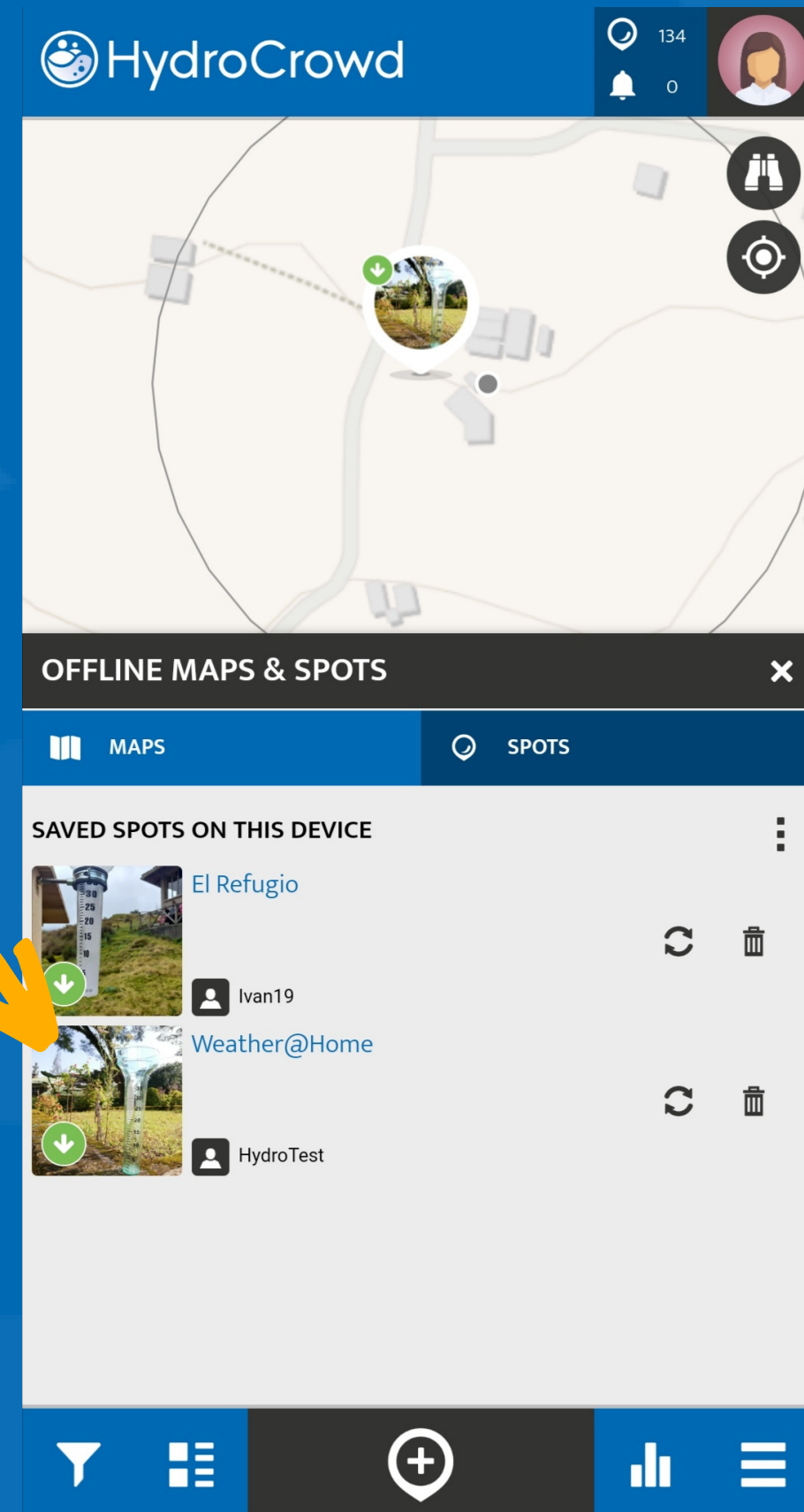
OR



33 Select the "Weather@Home" station you are looking for

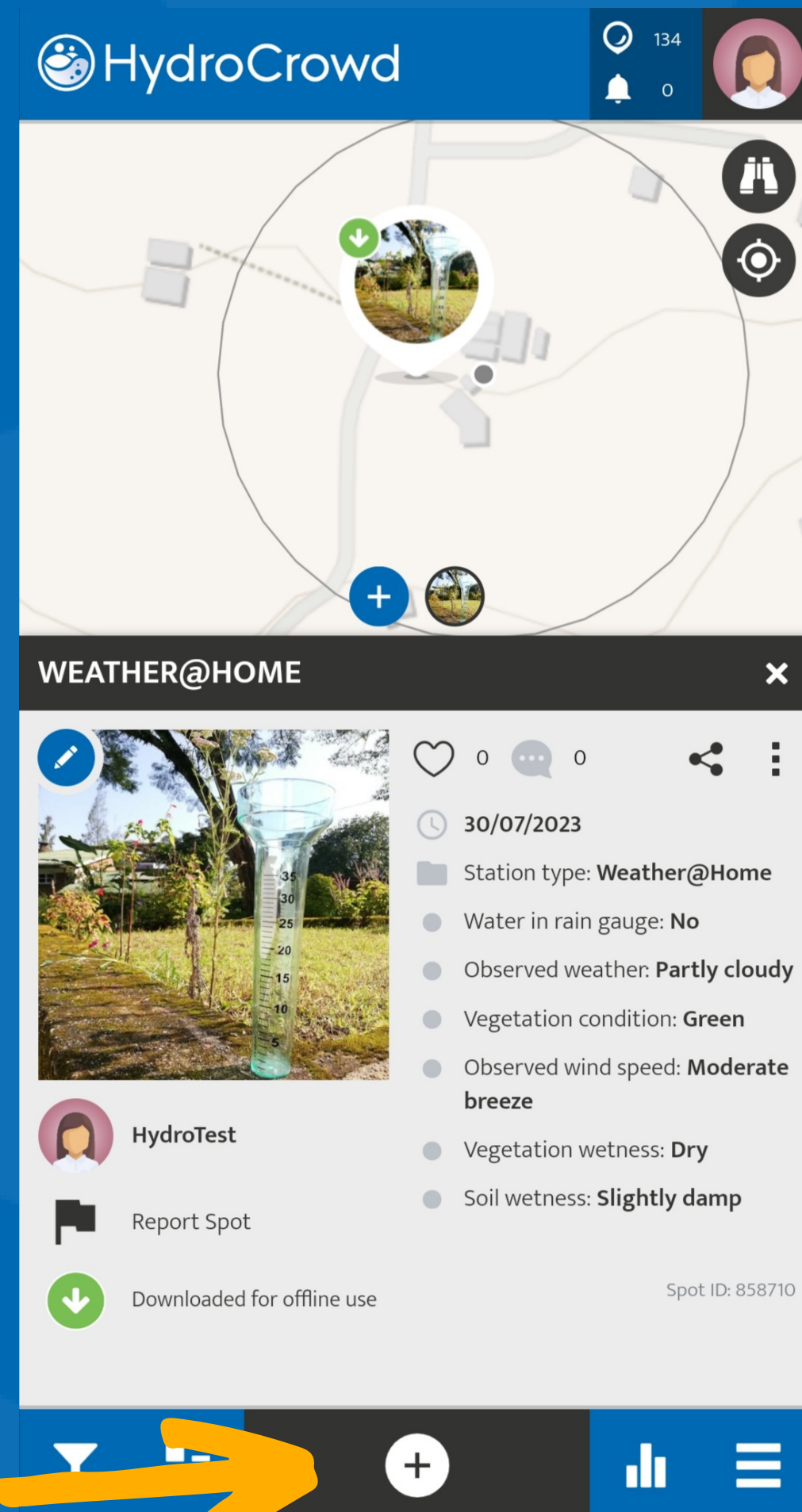
... "Offline maps & spots"

32 Click on the menu and select...

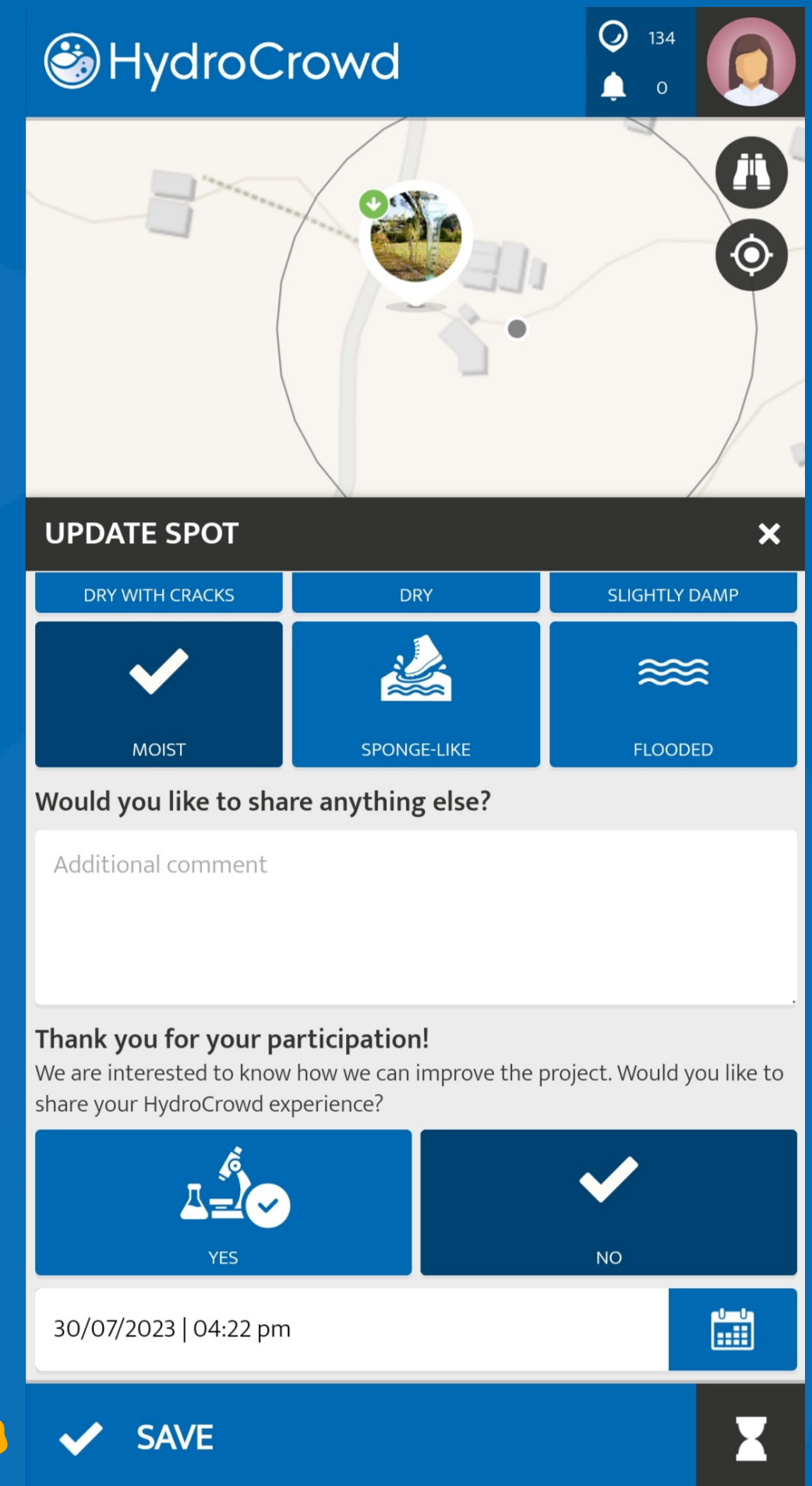


34

Click on the "+" button to add an observation



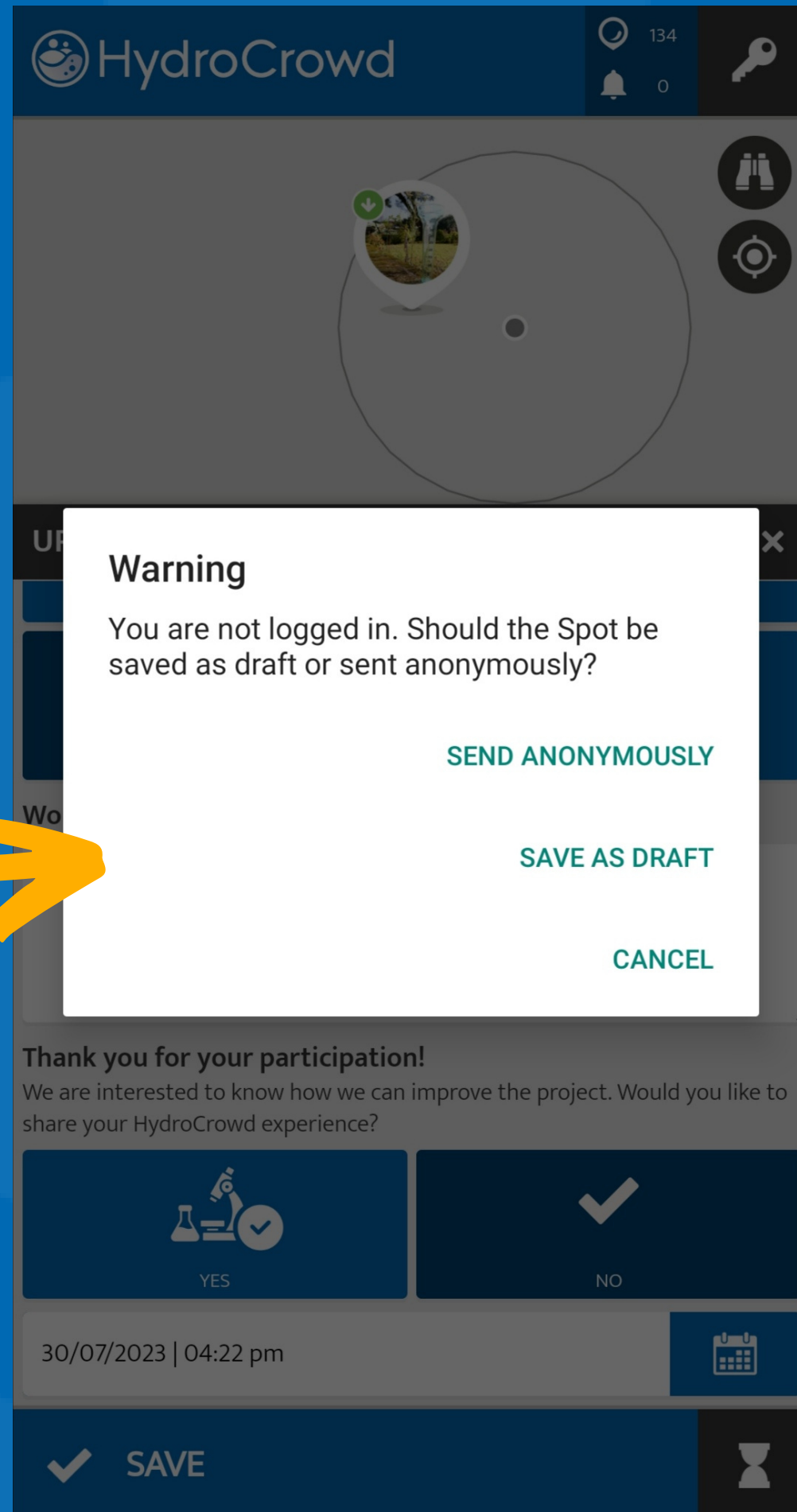
35
Complete and save
your observation





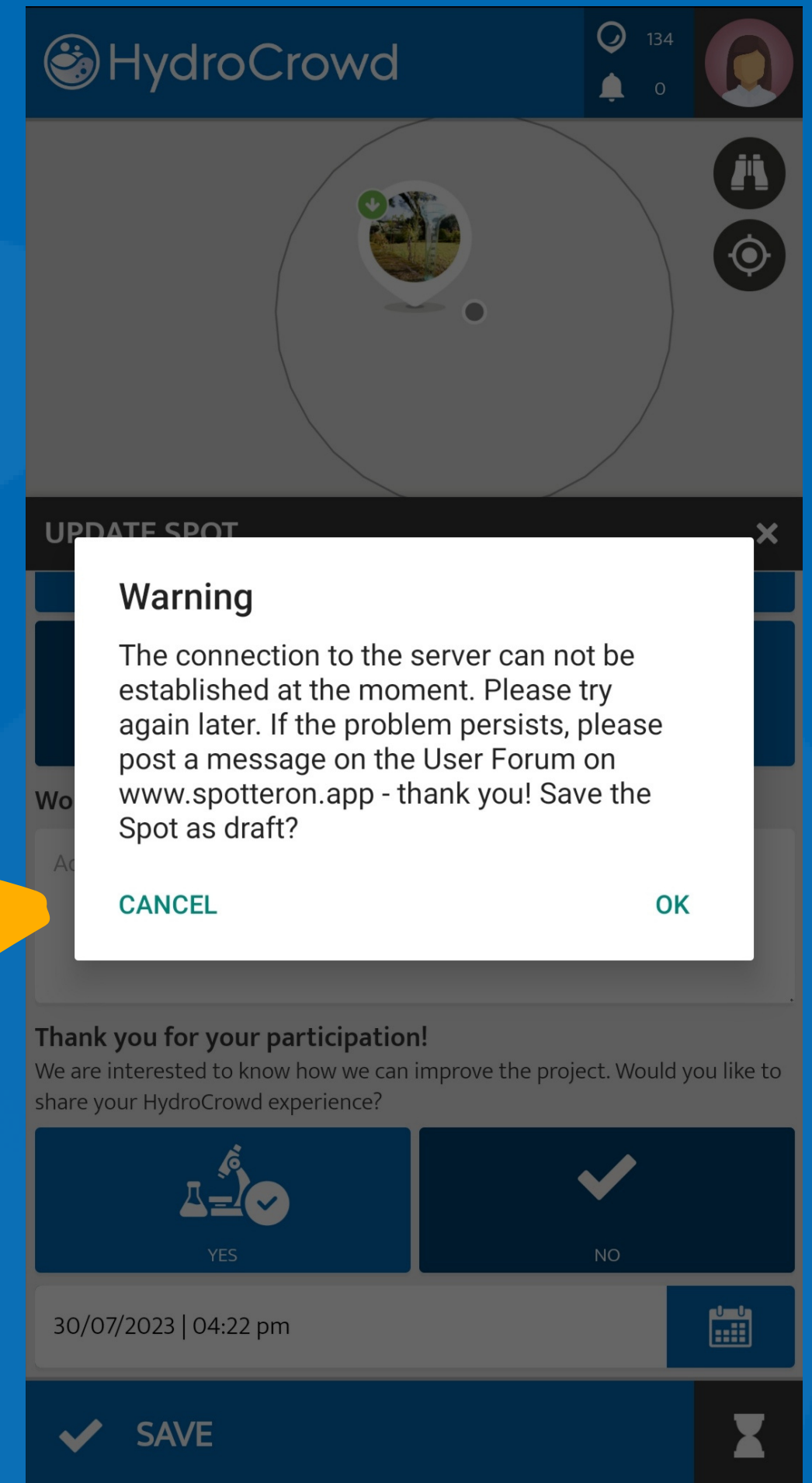
If you are not connected to the internet and have not yet logged in with your account

Select "Save as draft"



If you are not connected to the internet, but are logged in with your account

Select "OK"



In both cases, the app will save your observation as draft

To report a "Photo note"

36



Make sure that the correct location is shown on the map

38

Complete and save your observation



37



Click on "Photo note"



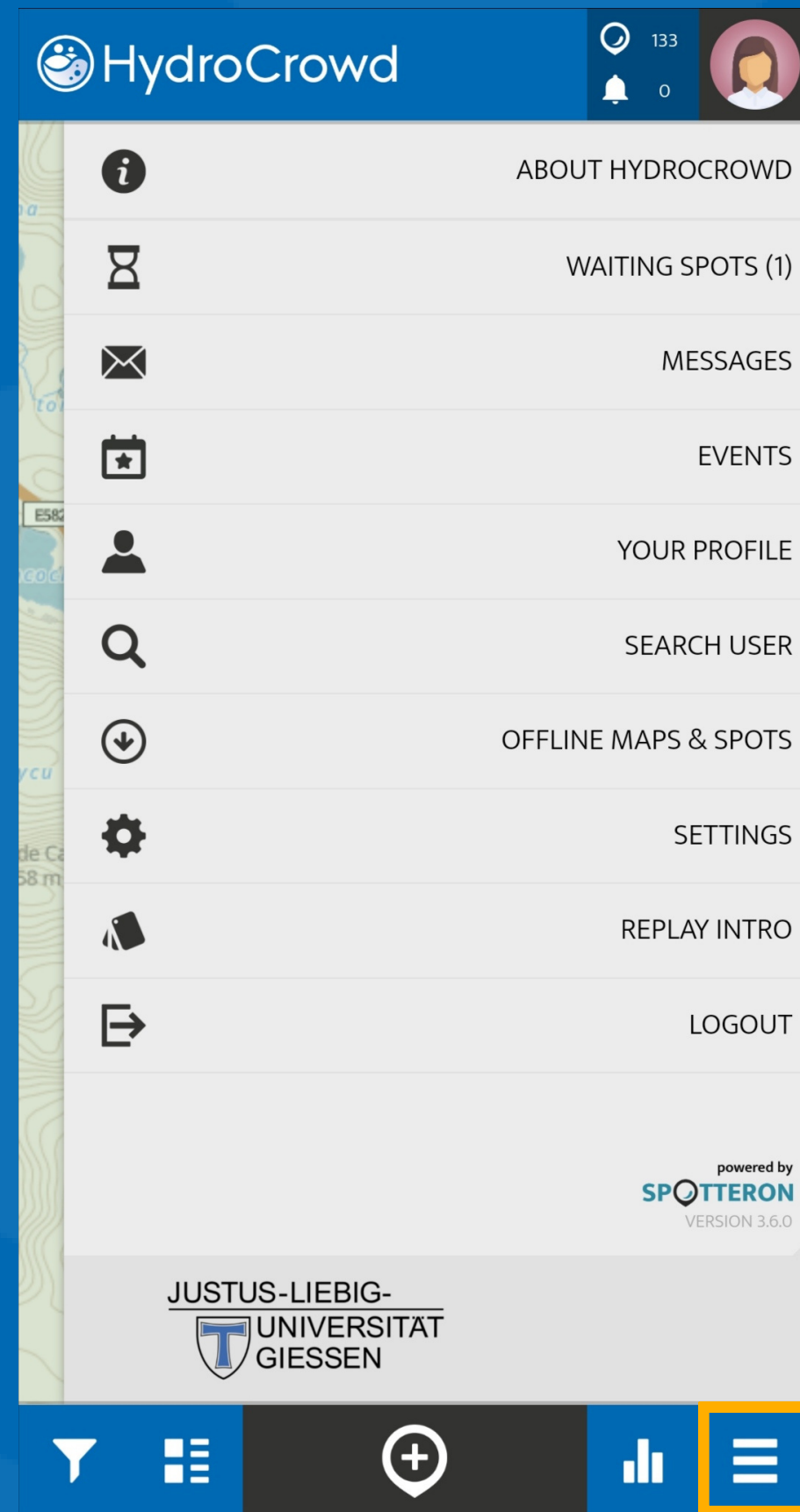
If you do not have internet connection



Click on "OK" to save your observation as draft



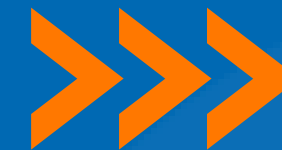
Do not forget to upload your observation once you have internet connection



40



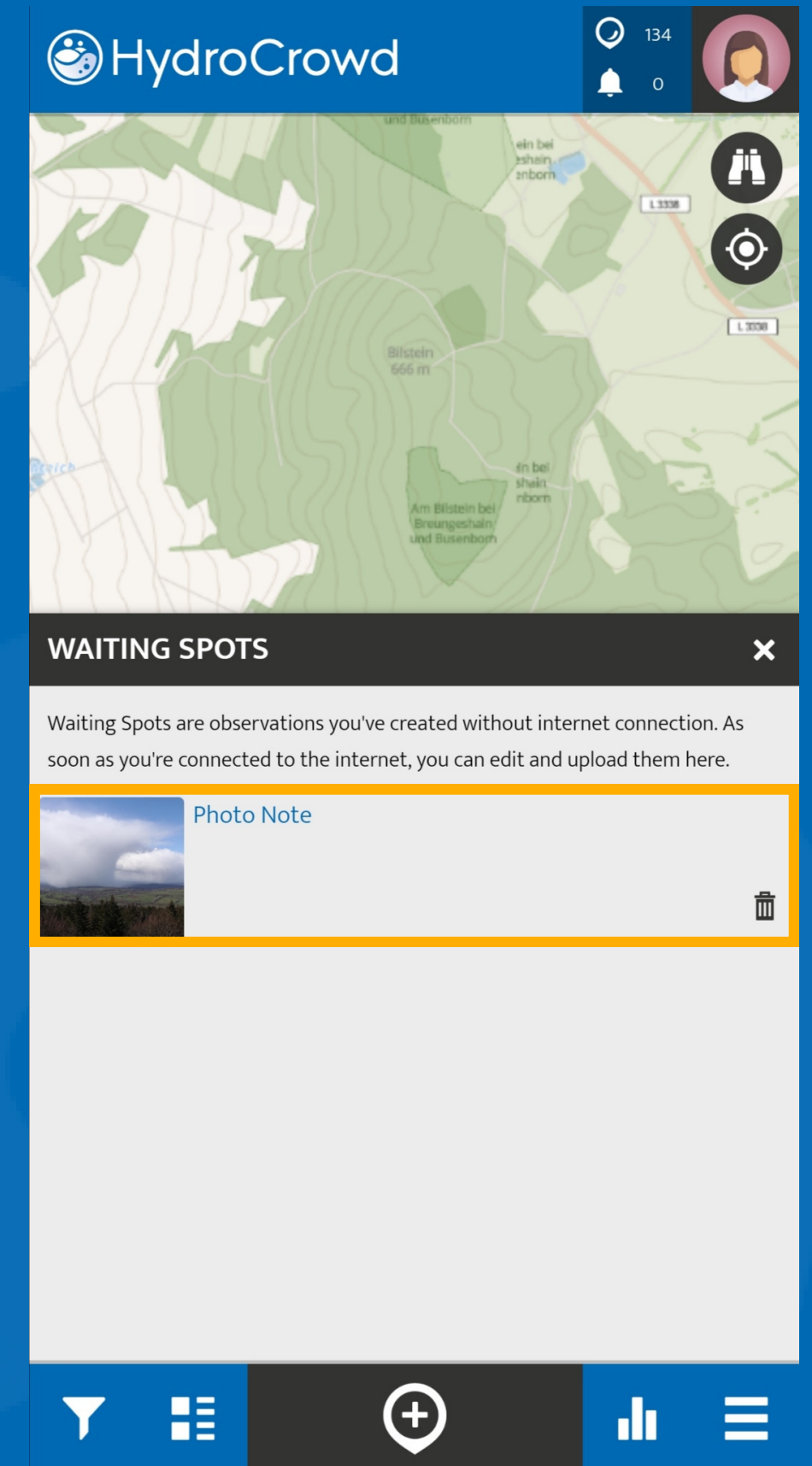
Select "Waiting spots"



Here you will find the saved data and points that have not yet been uploaded to the database

39

Enter the menu



The background of the slide is a solid blue color. In the bottom-left corner, there are three diagonal stripes of different shades of green and yellow, running from the bottom-left towards the top-right.

To download data

You can download data directly to your mobile phone or from the website. You need to have a user account to access the data.



HydroCrowd

Explore your world and join this project! Post your observations in the free app - it is easy and a community awaits you.

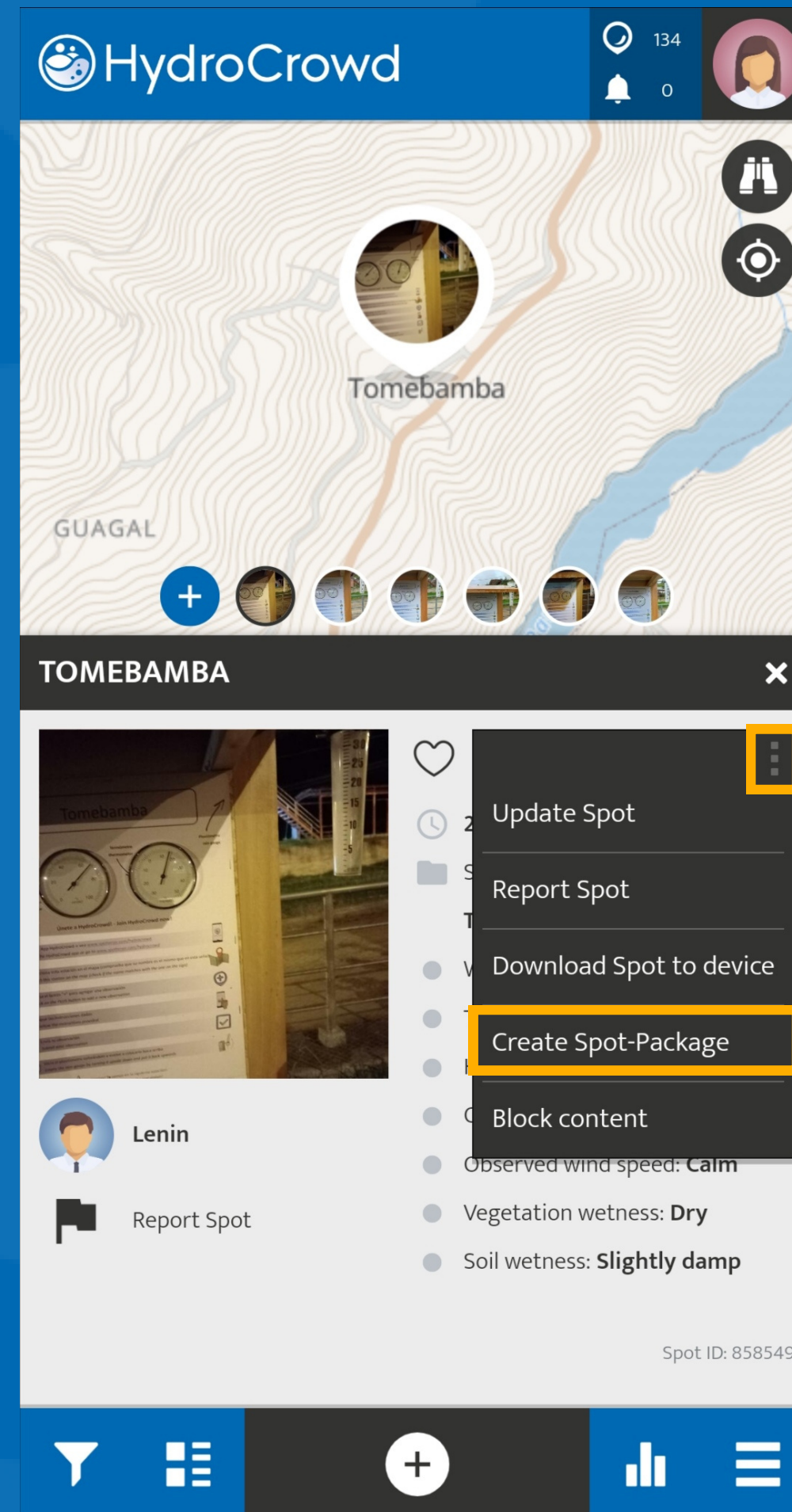
 spotteron.com

<https://www.spotteron.com/hydrocrowd/>

41



In the app or on the website, look for the station for which you want to download data. Make sure you are logged in.



42

Click on the station menu



43

Select "Create Spot-Package"



The compressed folder (.zip), will contain all the submitted photos and a CSV file with all data of the selected station.

 202305280957-815660-815660	JPG-Datei	213 KB	Nein	213 KB	1%	08.06.2023 00:12
 export	Microsoft Excel-CSV-Datei	1 KB	Nein	1 KB	44%	08.06.2023 00:12

For more information
on data management
see the Data Use and
Management Manual.



For more
information,
please visit our
website

www.uni-giessen.de/hydrocrowd



The application for the
HydroCrowd project was
developed by SPOTTERON Citizen
Science | www.spotteron.net