



USER MANUAL

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About Logsize

Android app

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About Logsize

Log stack volume measurement in record time

Save time

With Logsize log stack volume measurement becomes incredibly fast. You can measure up to 1000 logs in a few minutes.

Get precise results

Logsize measures log stacks in a consistent way thus reducing human errors in measurement.

Better data management

All your data is available online anytime and from any place. Multiple persons in the company can access the data and export it to the company's management systems.

About Logsize

How it works



Start Logsize app

Photograph log stack with
your device

The app determines the
volume and no. of logs

Data uploaded
to web storage module

Access the measurements on
your FMS or email

Android app

Installation instructions



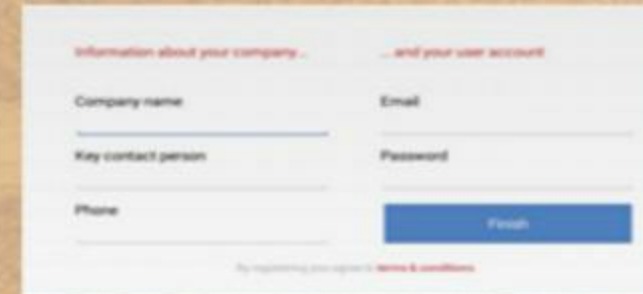
Open Play Store



Search "Logsize"



Download the app



Information about your company ... and your user account

| | |
|--------------------|----------|
| Company name | Email |
| Key contact person | Password |
| Phone | Finish |

By registering you agree to our [terms & conditions](#)

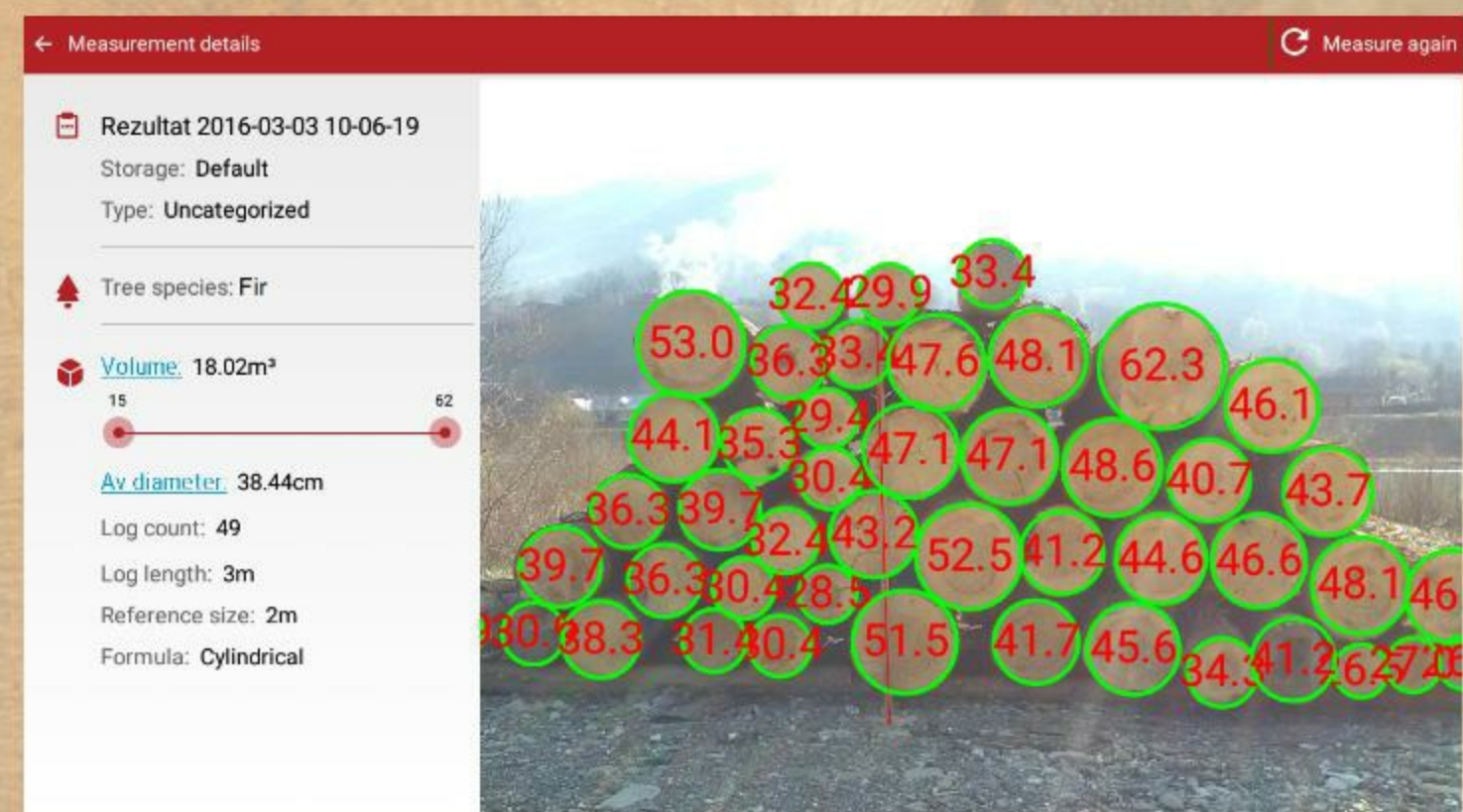
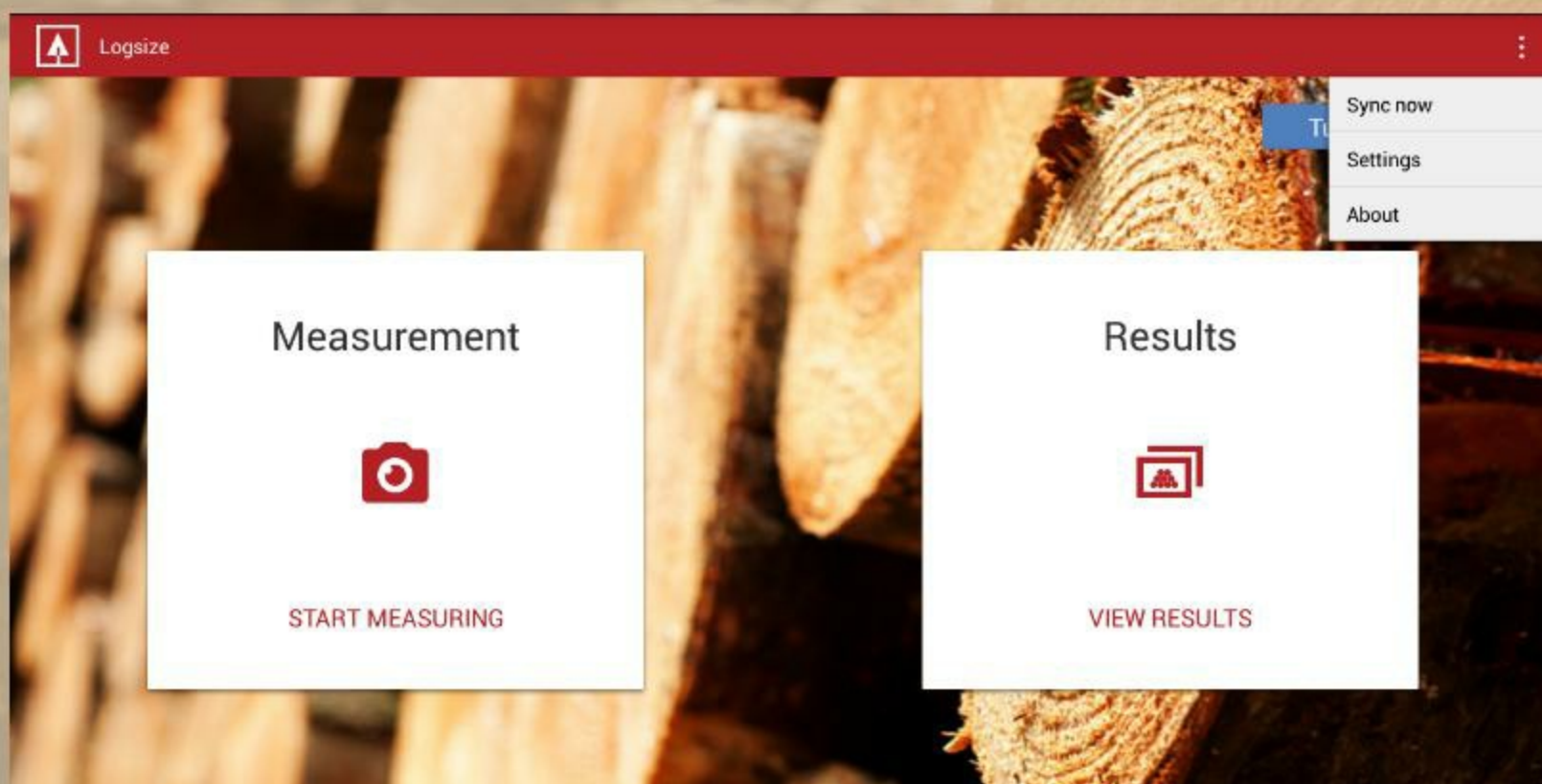
Create account



Start measuring

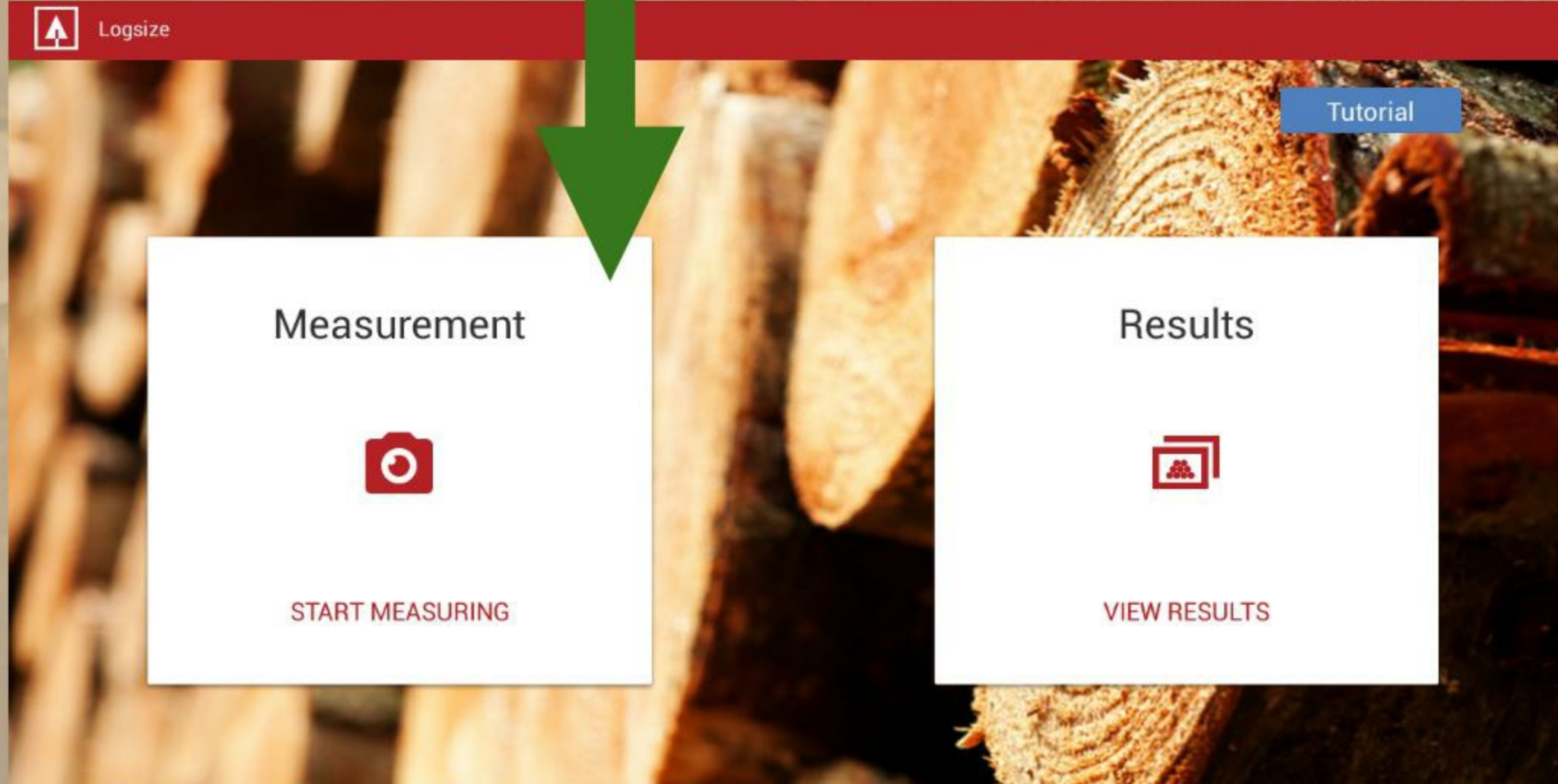
Android app

Try it for FREE for 15 days



Tutorial

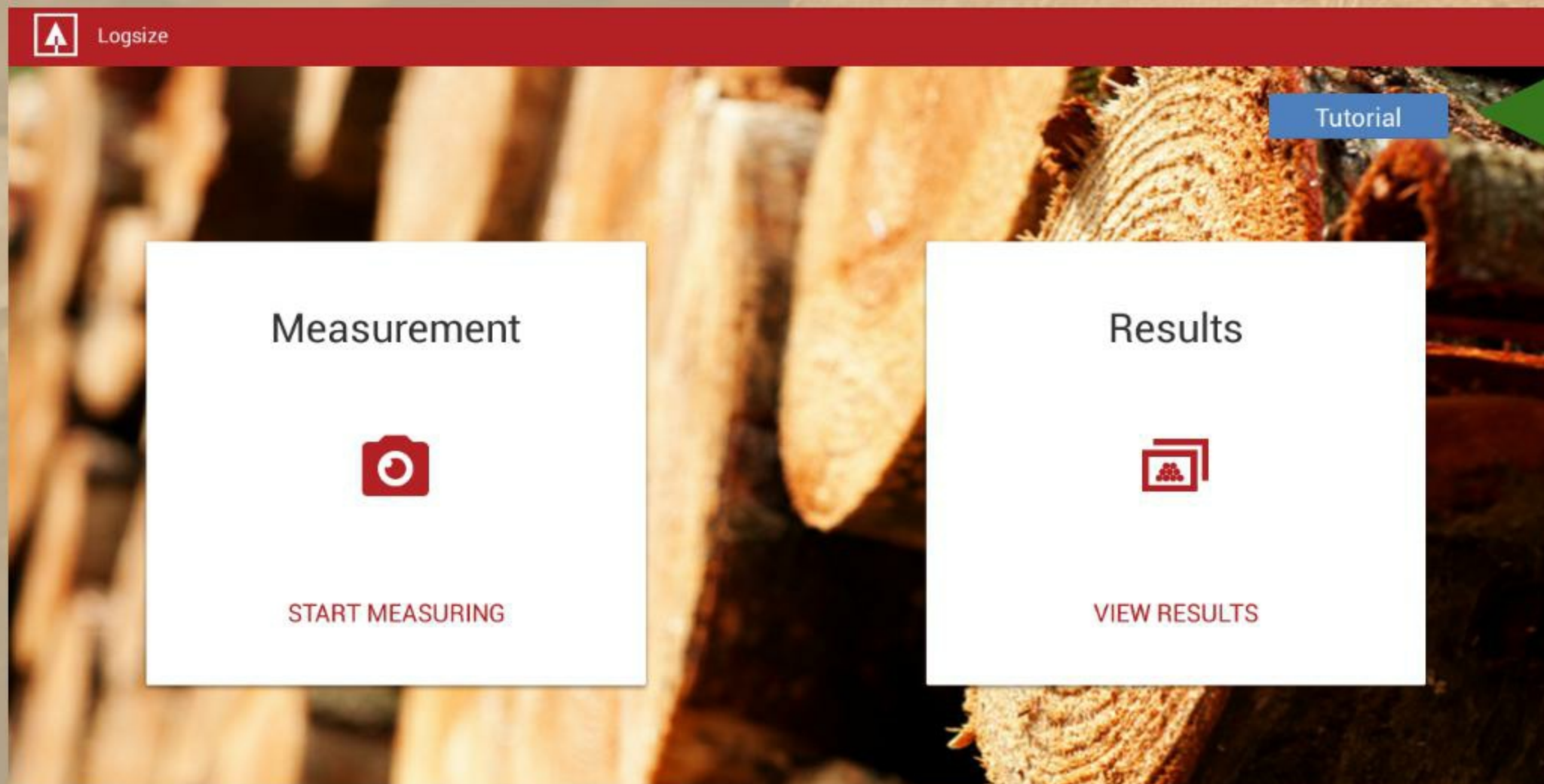
Android app



Click on "Start measuring" to begin using the measurement tool.

Tutorial

Android app



You can also watch an in-app tutorial by clicking on the right-top button.

Tutorial

Android app



Make sure that you have the camera parallel to the log stack and all the logs are included in the picture.

Left top side you have the tilt angles of the camera displayed. Hold your smart device at a 90 ± 3 degree angle. If the tilt angles are too great for the picture, their background color will turn from green to red. So before you take the picture, confirm that the orientation sensor readings are green – otherwise you will not be able to save the photo.

Tutorial

Android app

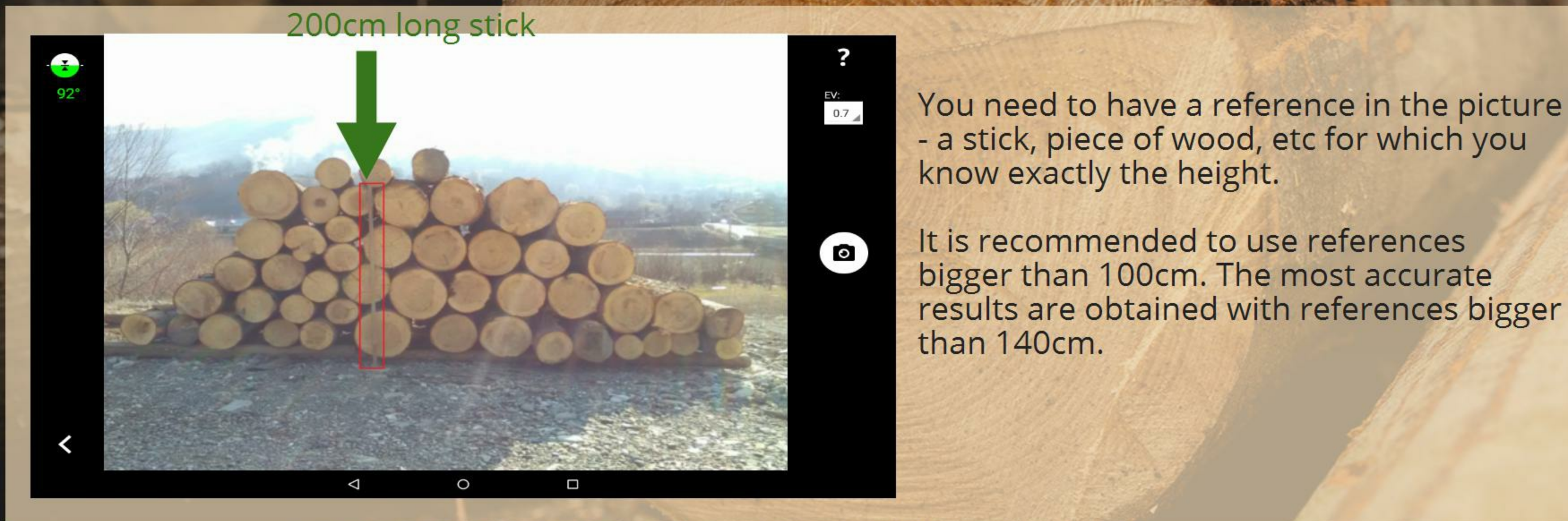


If there is not enough light in the picture, you can set the exposure to a value bigger than zero, between 0.5 - 2.0. If there is too much light, you can make it smaller by using the same EV filter with negative value between -0.5 and -2.0.

Lighter pictures have more accurate results than darker ones.

Tutorial

Android app



Tutorial

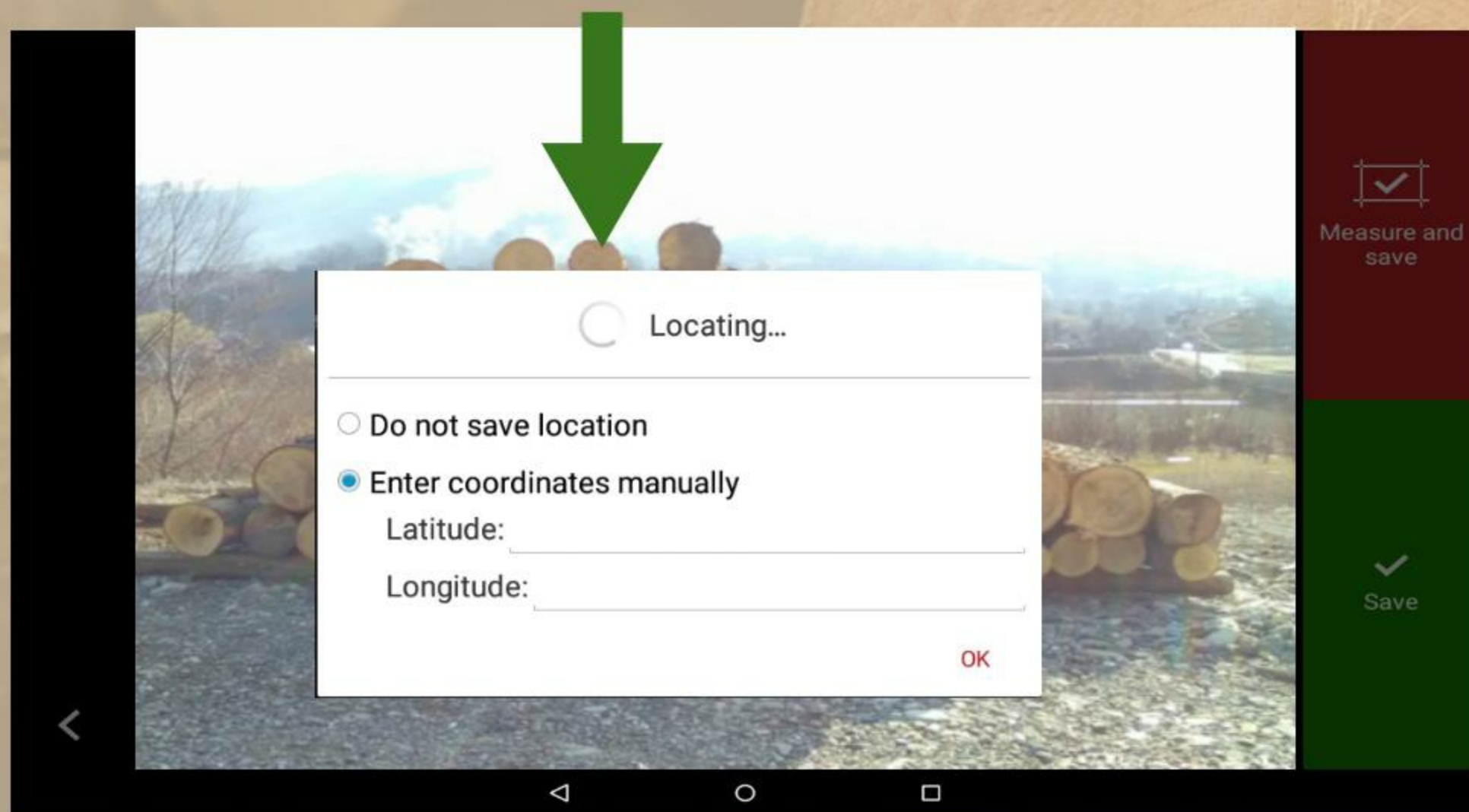
Android app



Take the picture by tapping the camera button

Tutorial

Android app



If your device does not have GPS enabled, you will be prompted to save without location or add location manually.

Tutorial

Android app



If your device has GPS enabled, your location will be determined automatically.

Tutorial

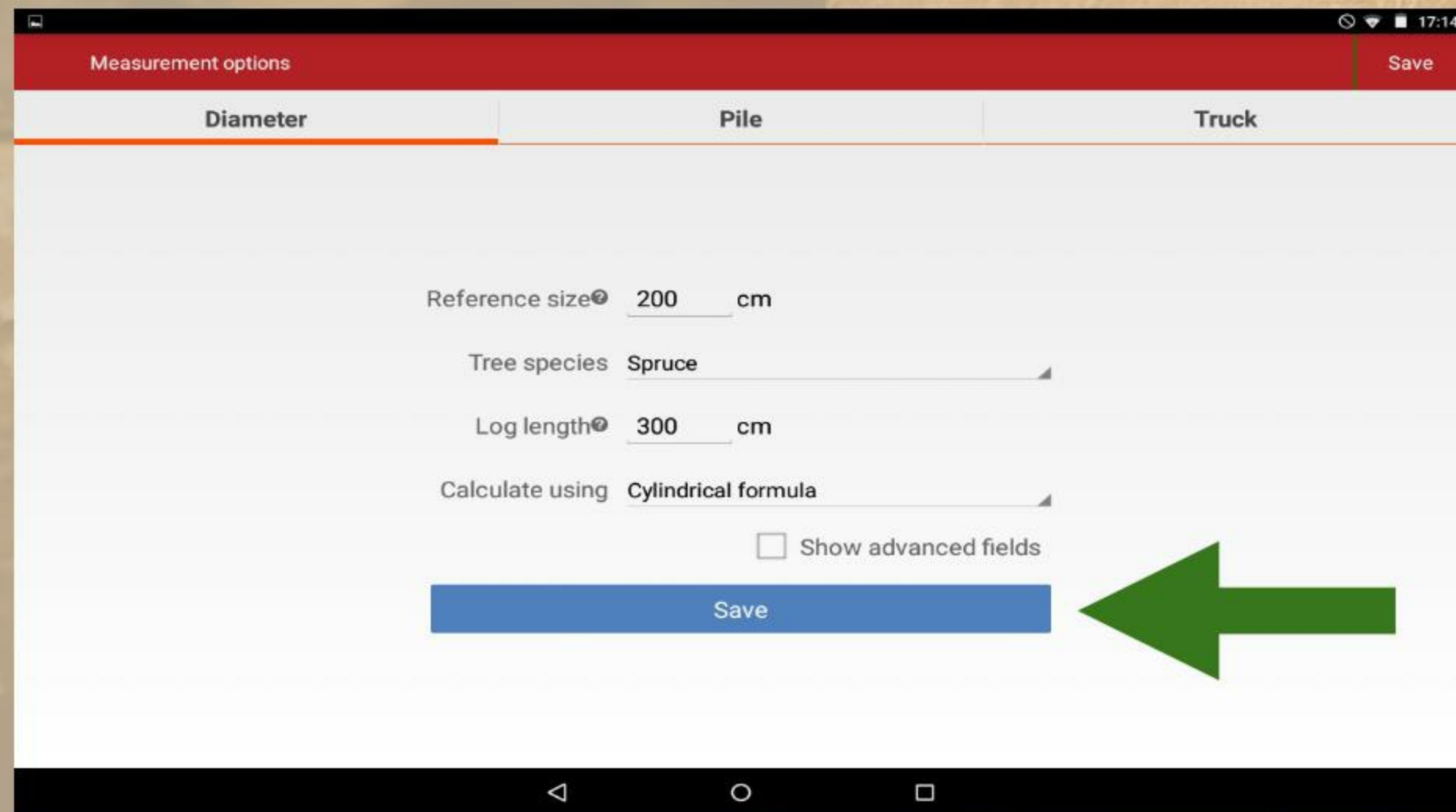
Android app



You have now 2 options: "Save" the image without measuring (you can come back to it later) or "Measure and save".

Tutorial

Android app



The screenshot shows the 'Measurement options' screen of an Android app. At the top, there is a red header bar with the text 'Measurement options' and a 'Save' button. Below the header, there are three tabs: 'Diameter', 'Pile', and 'Truck'. The 'Diameter' tab is currently selected. The main content area contains several input fields: 'Reference size' with a value of '200' and unit 'cm', 'Tree species' with a dropdown menu showing 'Spruce', 'Log length' with a value of '300' and unit 'cm', and 'Calculate using' with a dropdown menu showing 'Cylindrical formula'. There is also a checkbox labeled 'Show advanced fields' which is currently unchecked. At the bottom of the form is a large blue 'Save' button. A green arrow points to this button from the right. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

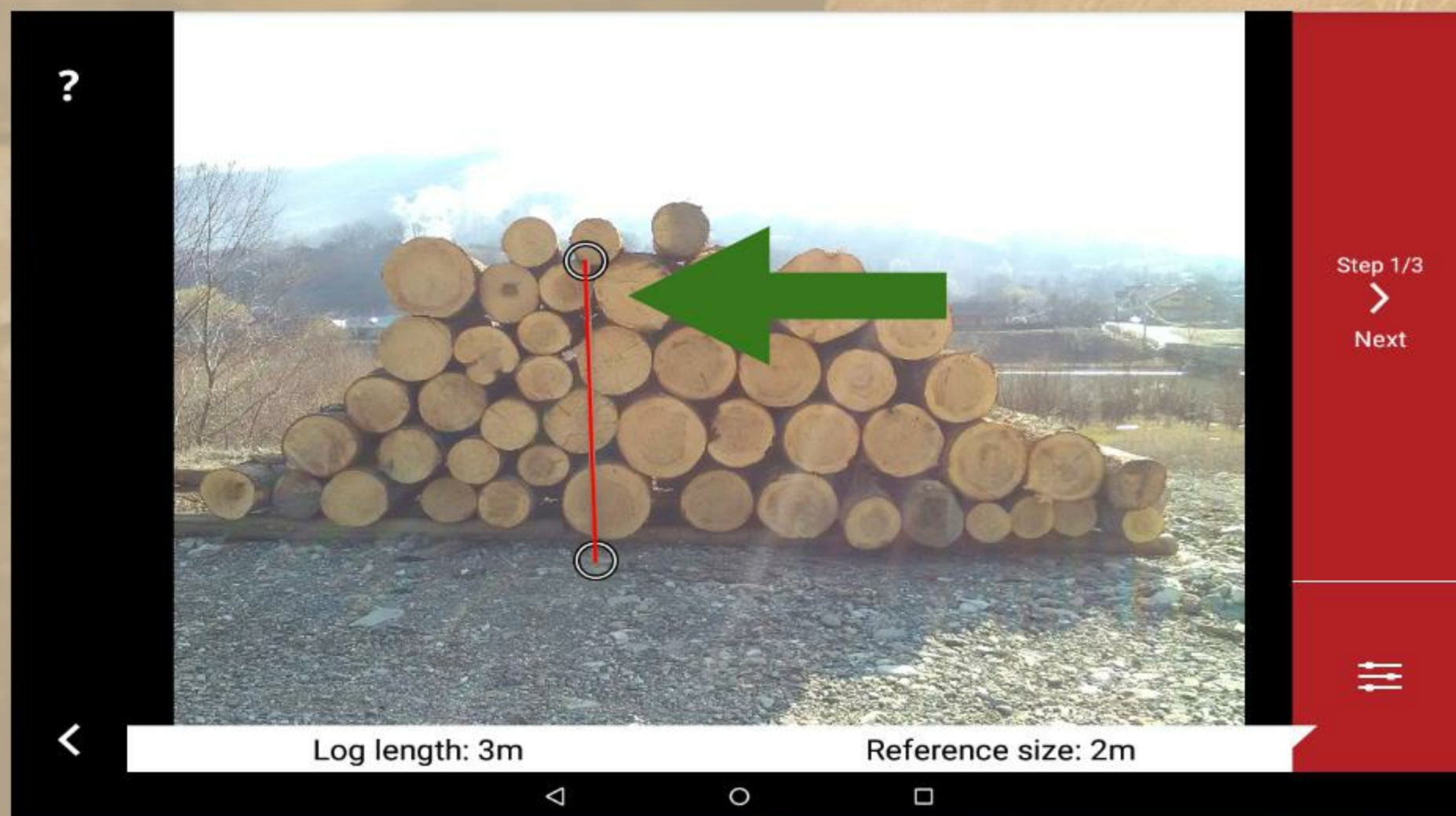
By clicking on "Measure and save", you are prompted to add different details needed: reference size, tree specie, log length and formula used for volume.

The choices are the GOST standard, the Nilson formula (both are used when the pile is stacked with all thin ends in one direction) or the cylindrical formula (used when the logs are mixed).

Fill in the fields and click on "Save".

Tutorial

Android app

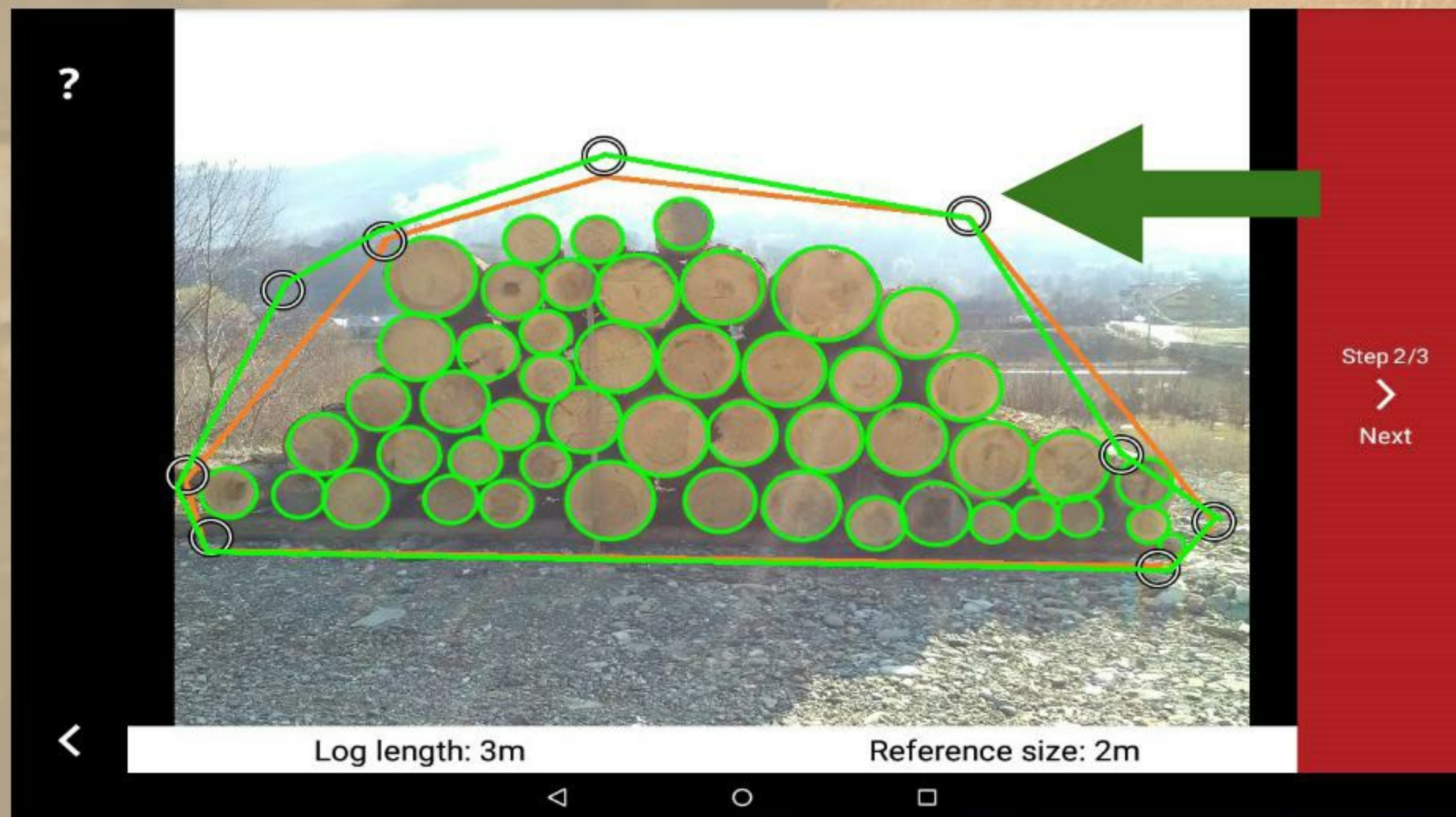


You have to set on the picture the reference. The red line must be placed exactly on the reference you measured. Based on this, the diameters will be determined, so the 2 dots have to be set correctly for accurate results.

The top right corner of the screen will show a zoom view, to make finding the right position easier.

Tutorial

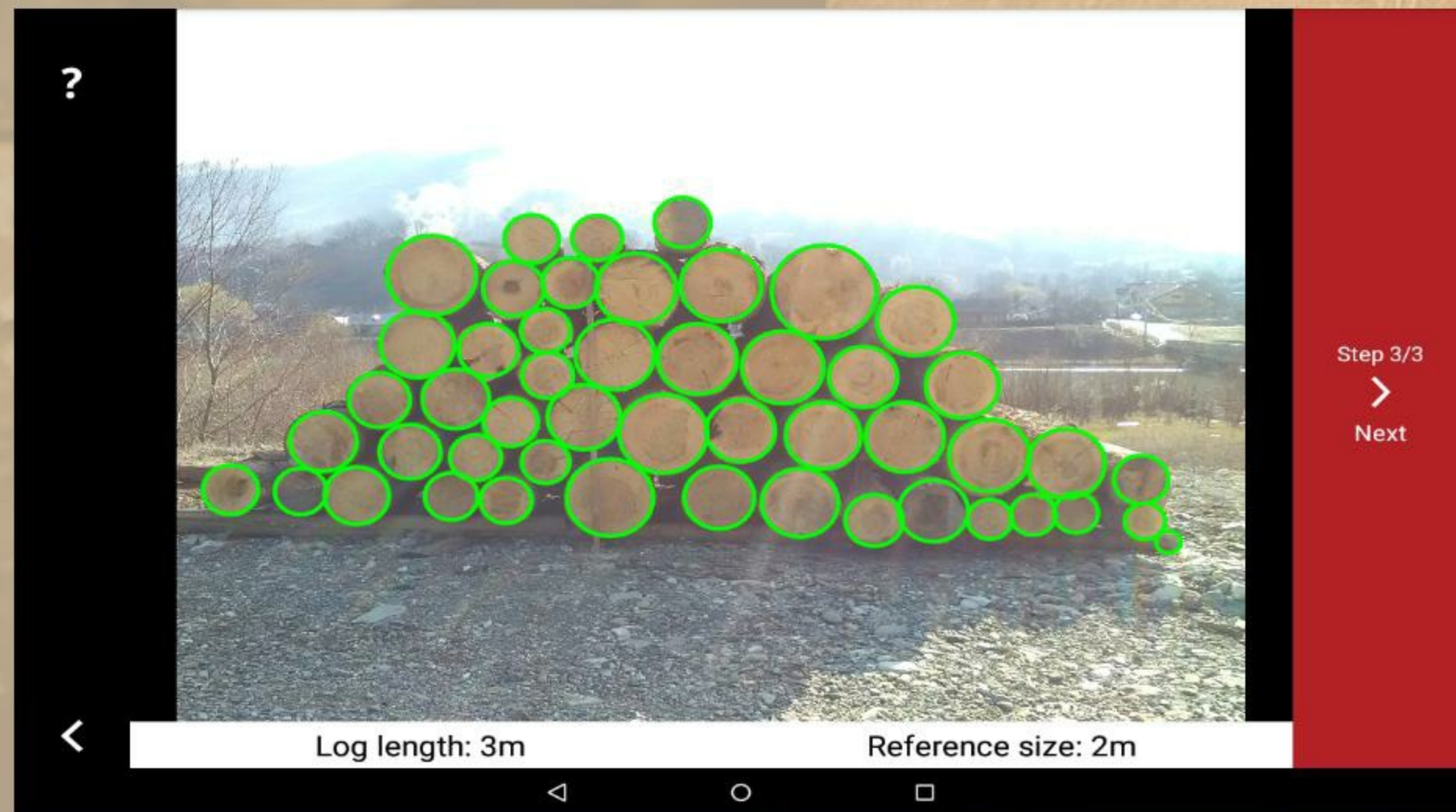
Android app



All round objects within the image may be detected, even if they are not part of the pile. For this reason an area of interested is defined and only the logs inside it are used to calculate the volume. Use the white markers to adjust the area borders

Tutorial

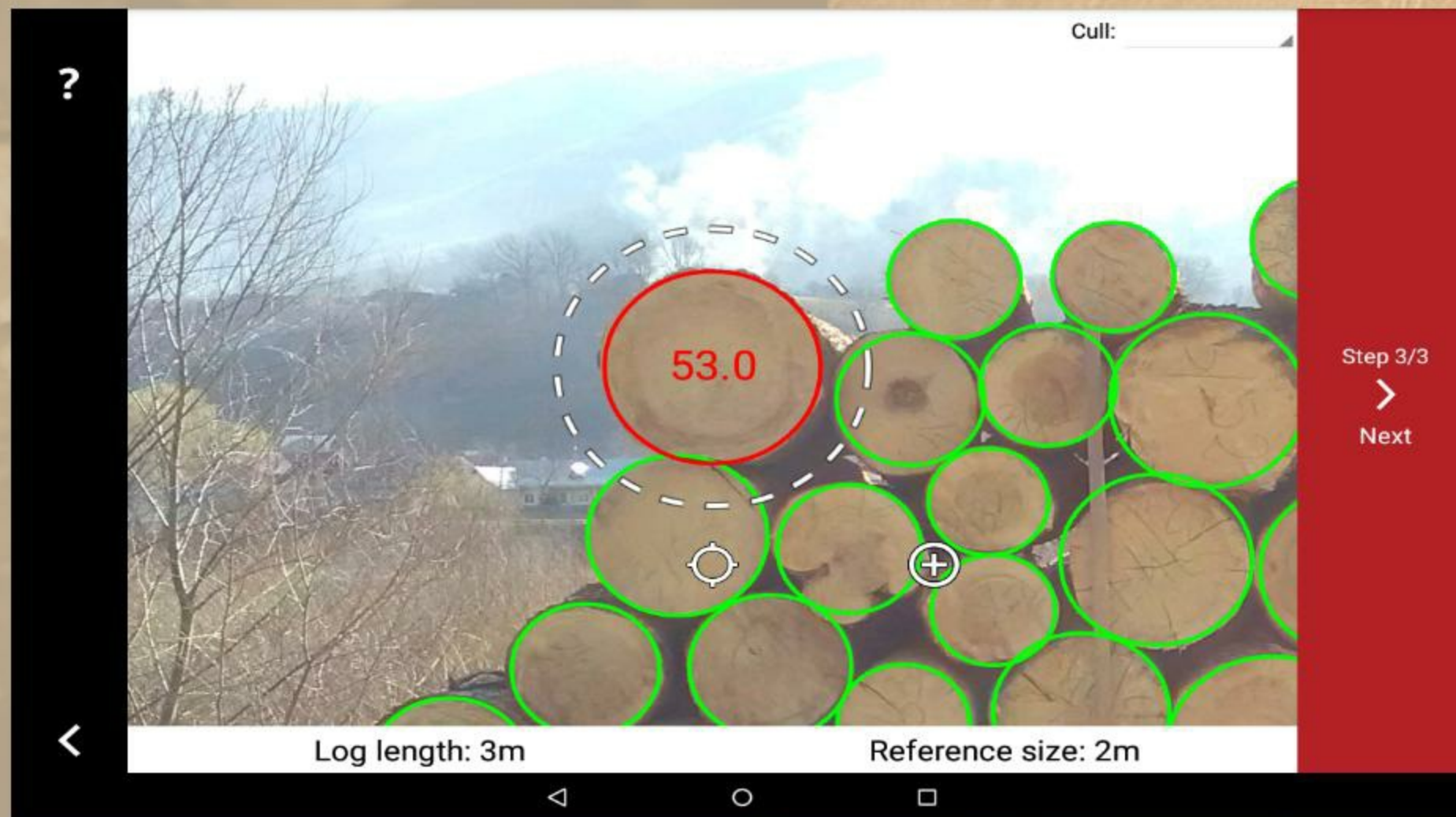
Android app



Last step: fine-tuning. Here you can manually correct any errors which occurred in the automatic measurements. You can remove, add or modify existing logs.

Tutorial

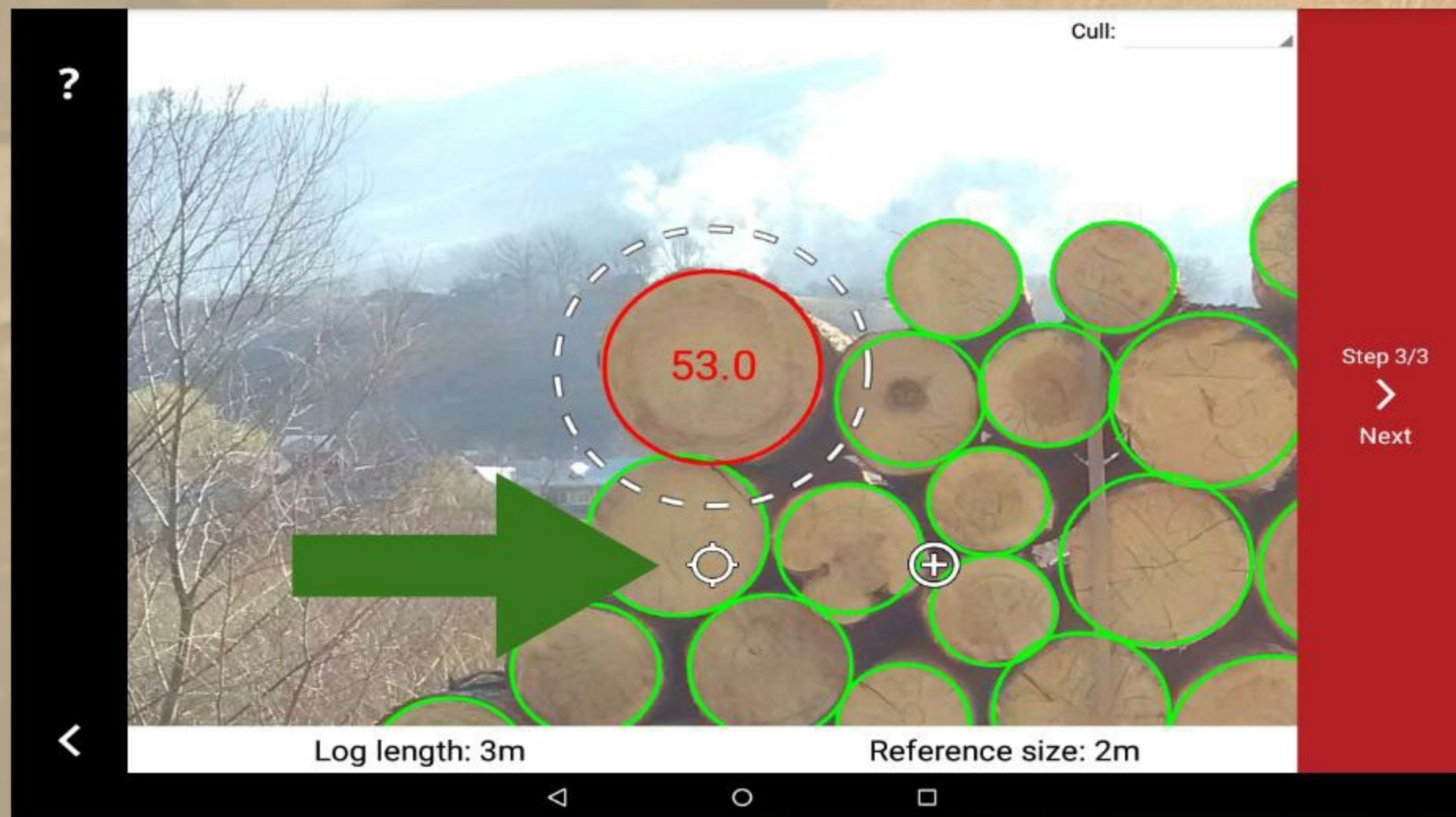
Android app



By tapping on one of the existing circles, you can start editing it.

Tutorial

Android app

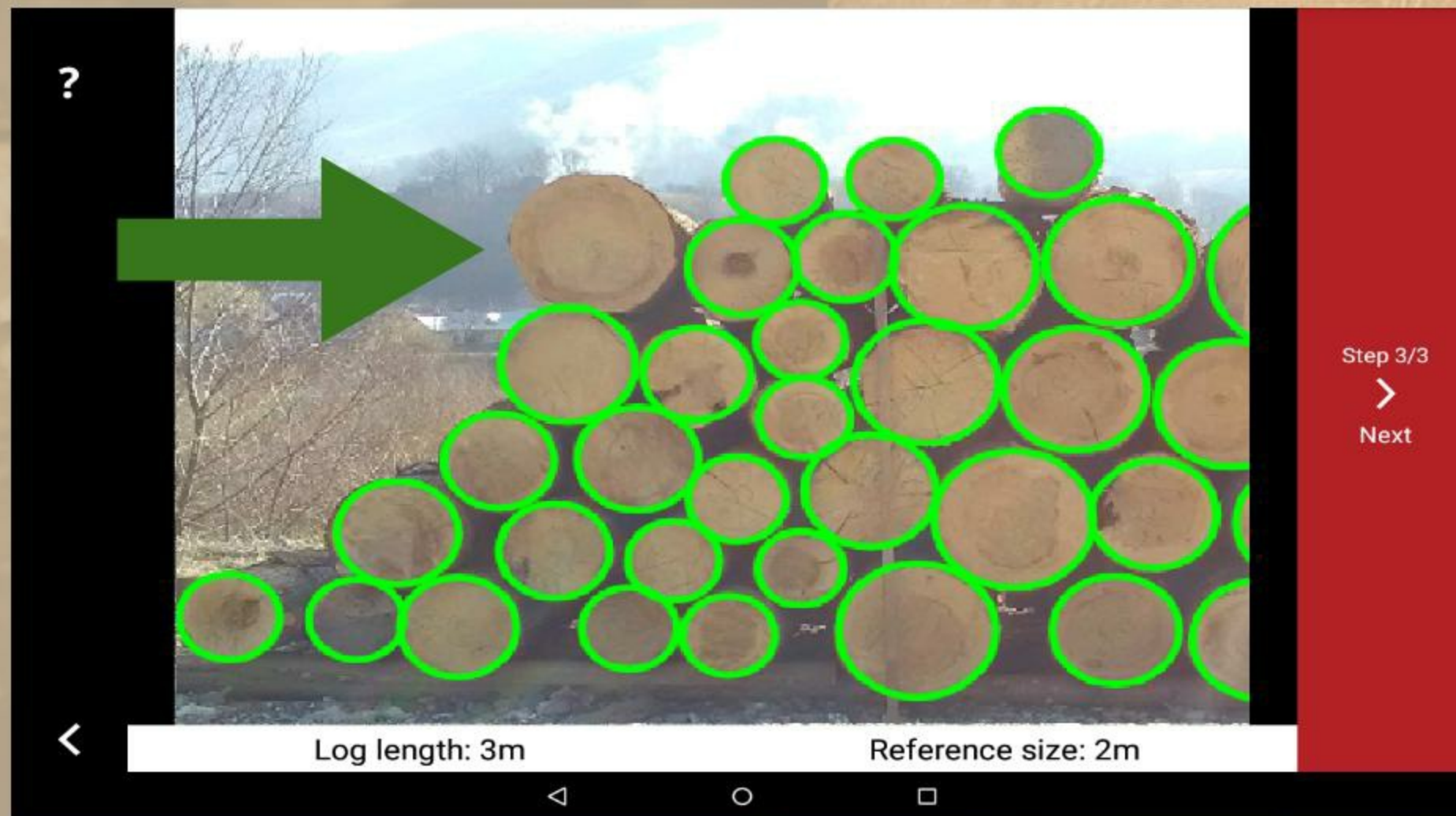


The "+" icon lets you modify the dimension of the circle.

Using the "O" icon you can move the circle inside the image.

Tutorial

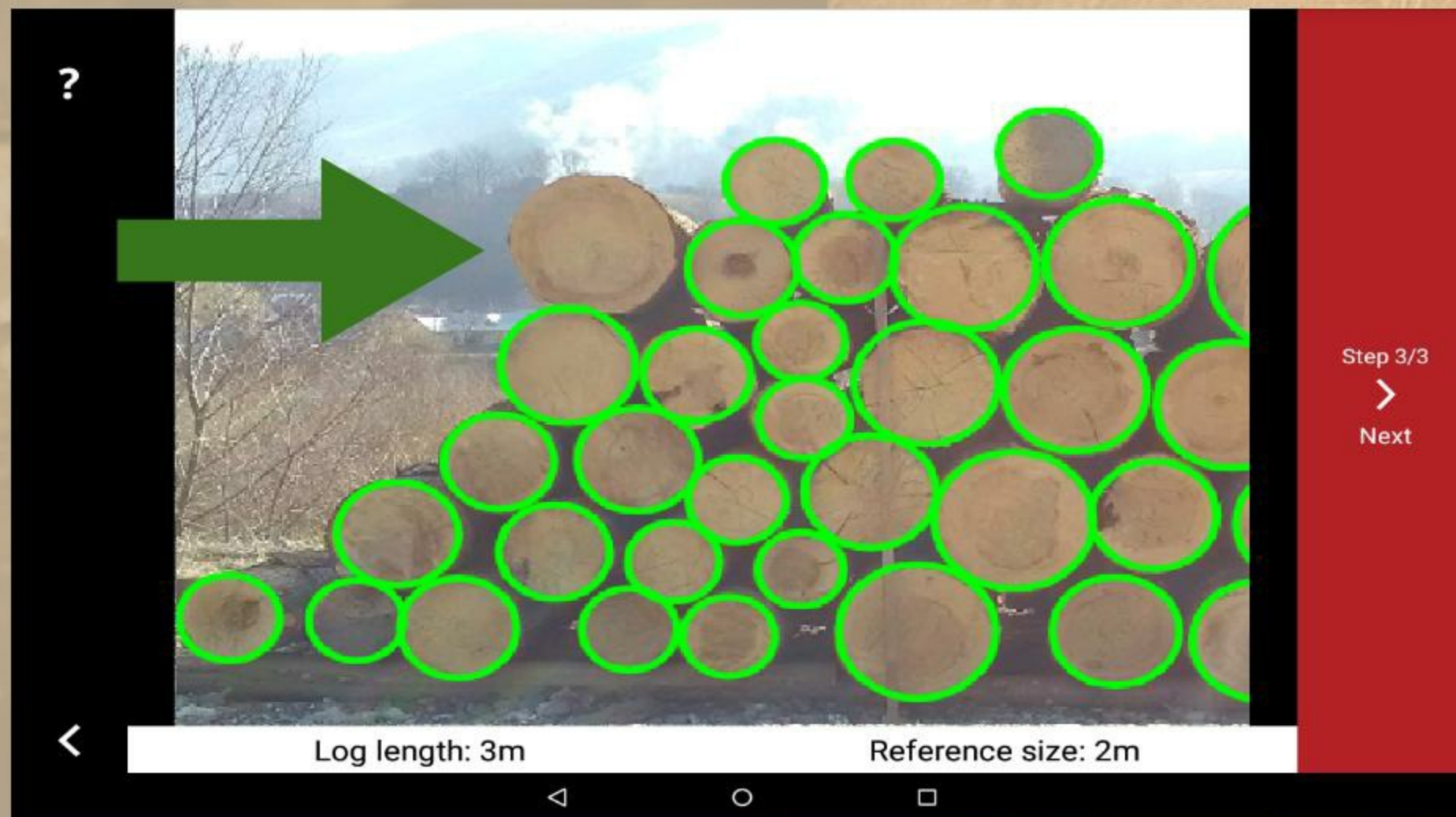
Android app



Long tapping one of the circles detected automatically deletes it.

Tutorial

Android app



Long tapping on an area where there is a log which was not determined will start the process of recognition and a new circle will be added on the picture, in that area.

You can then edit it to match the log exactly.

Tutorial

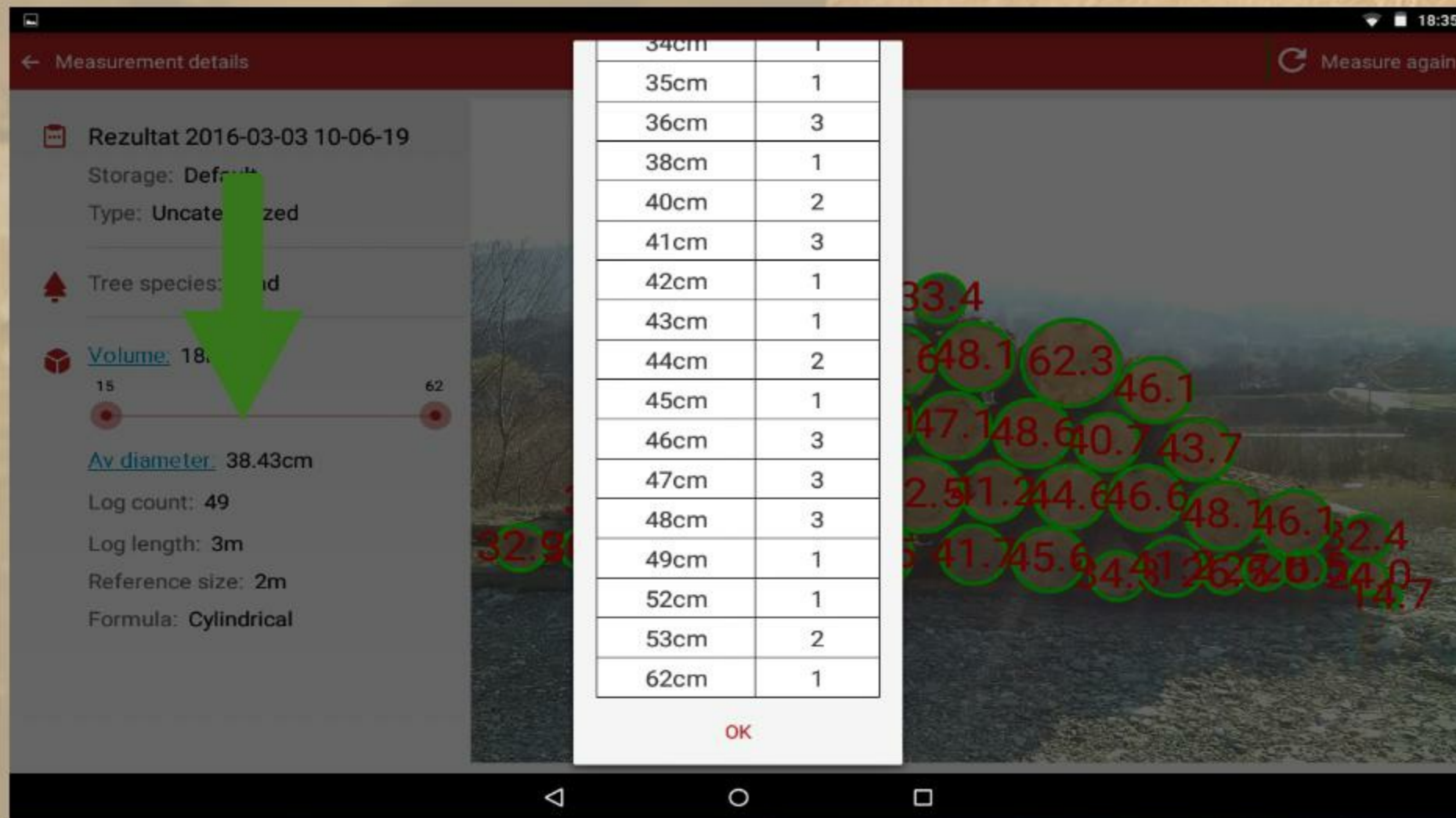
Android app



Clicking on "Next" will show the results of the measurement.

Tutorial

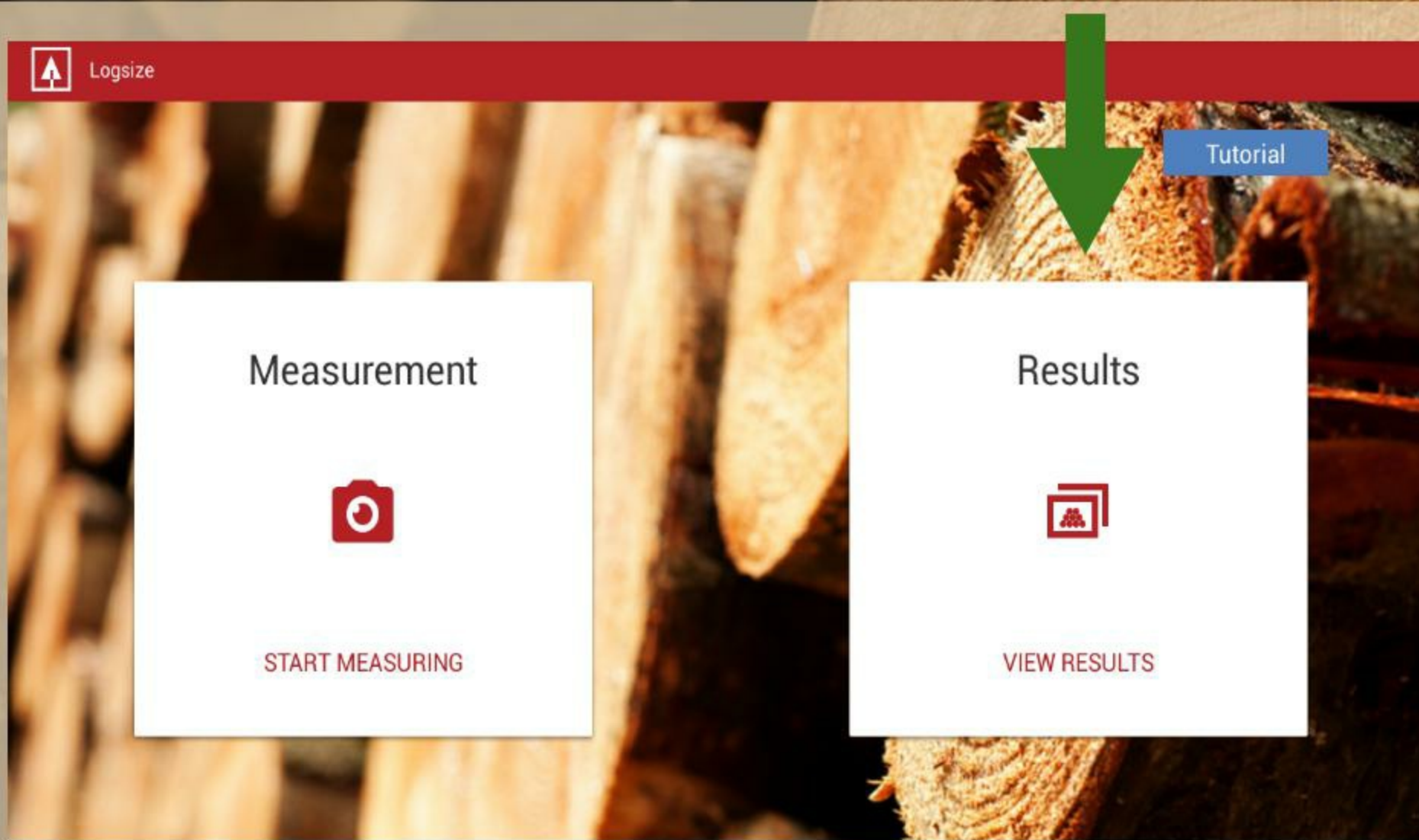
Android app



Tapping on "Av. diameter" link will show the detailed inventory with log diameters and count.

Tutorial

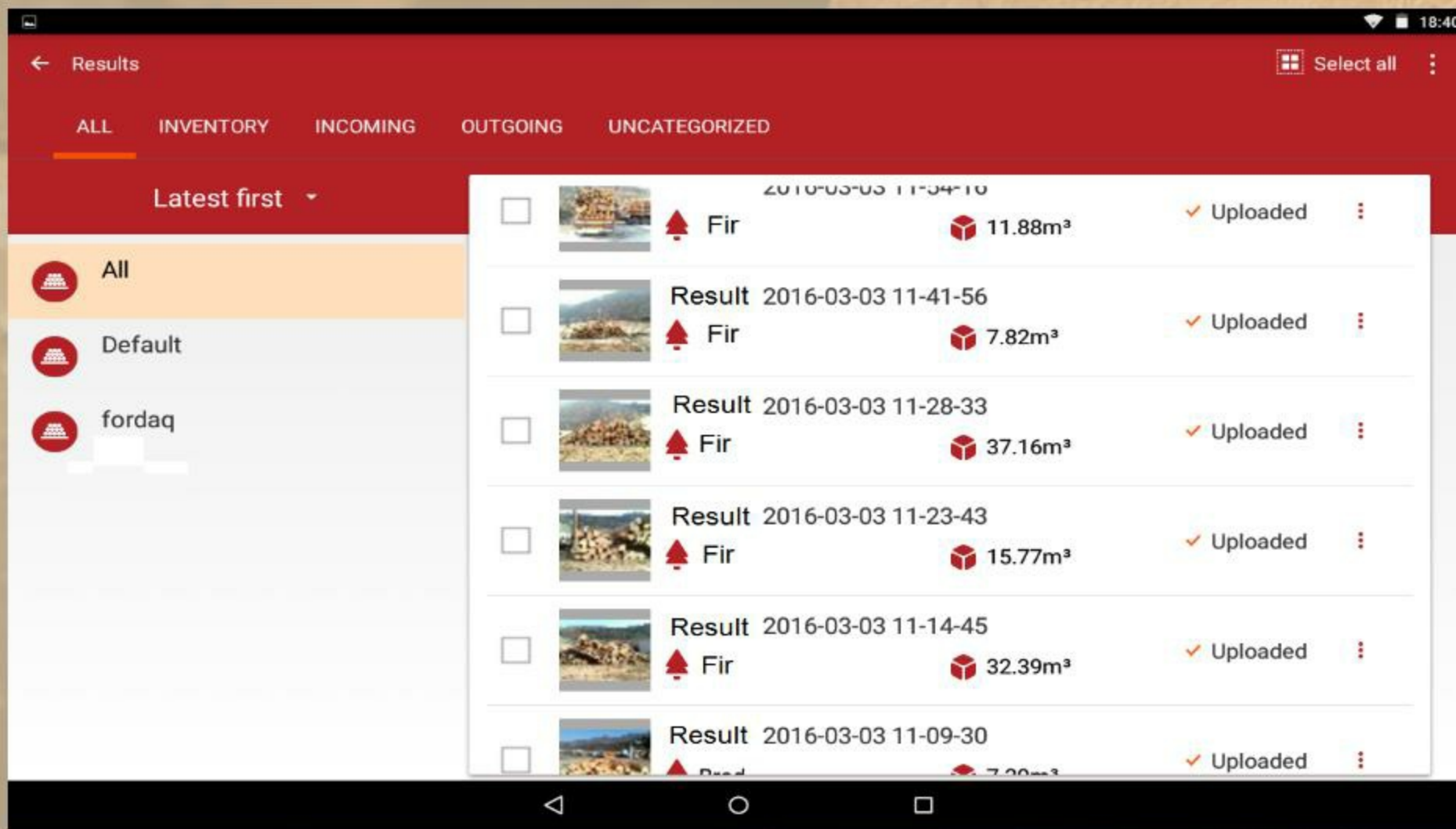
Android app



On the first screen, tapping on "View results" will show a list of all the measurements done, cronologically.

Tutorial

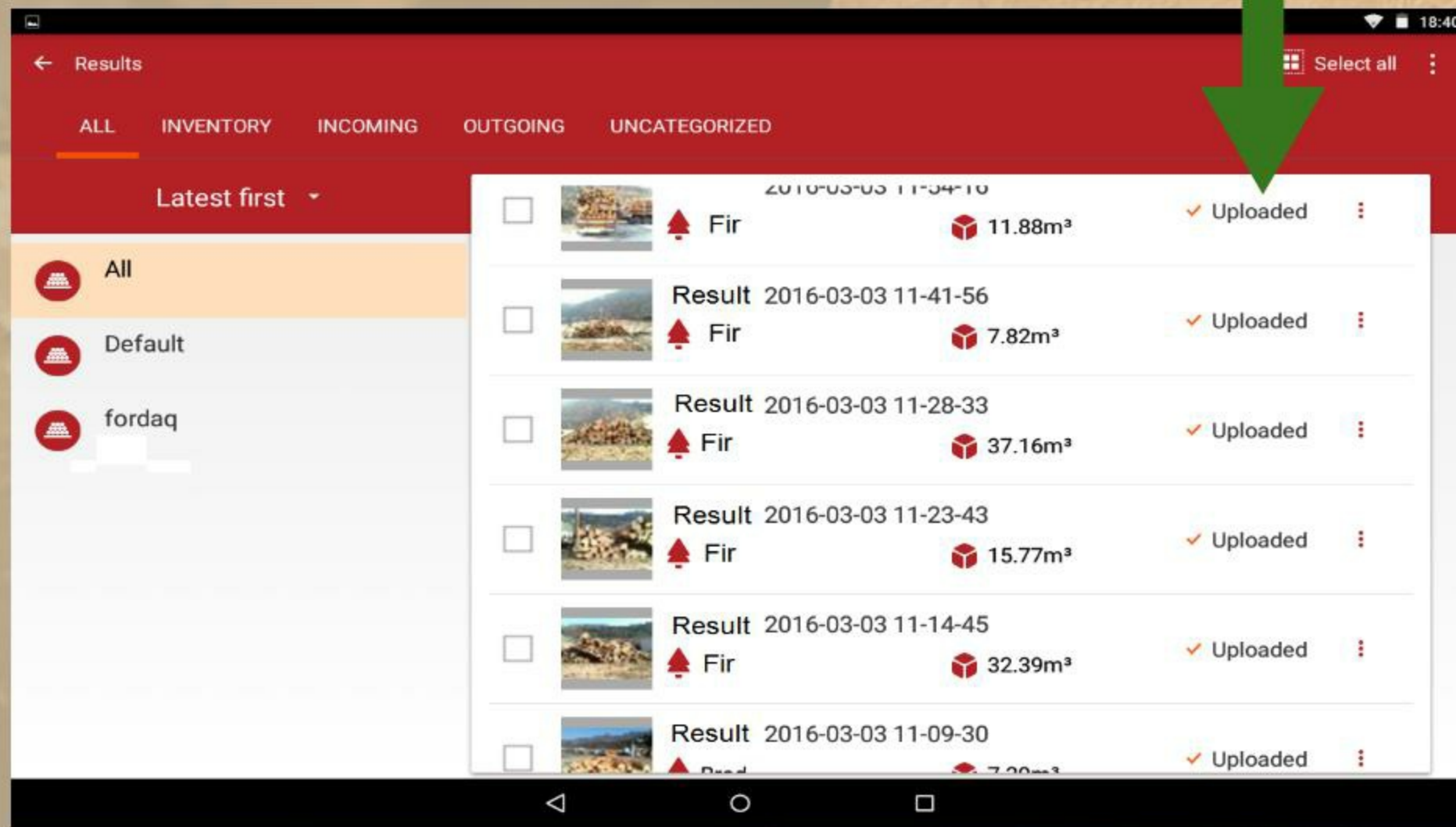
Android app



You can see a list with volumes for each one. By tapping on one of them, you will see all the details of that measurement.

Tutorial

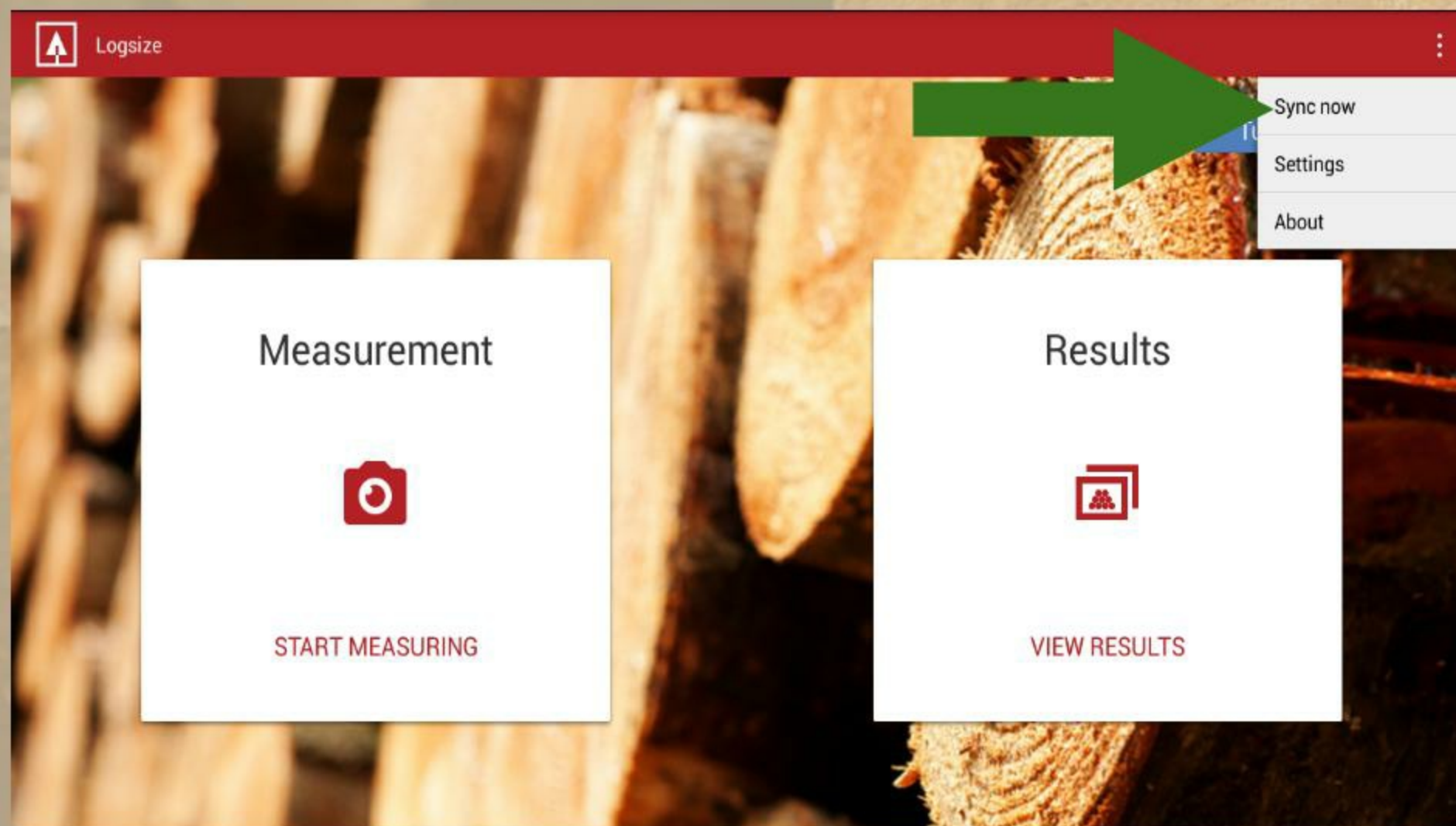
Android app



Once the app is synced with the storage module, the results uploaded to the server are marked with "Uploaded".

Tutorial

Android app



In order to sync the app with the storage module, you can select "Sync now" in the options menu.