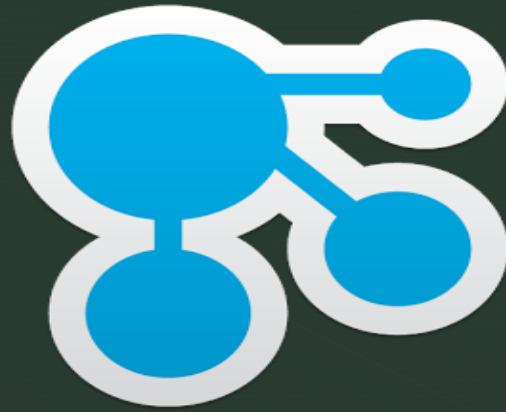


Empowering Farmers to do more across Europe!

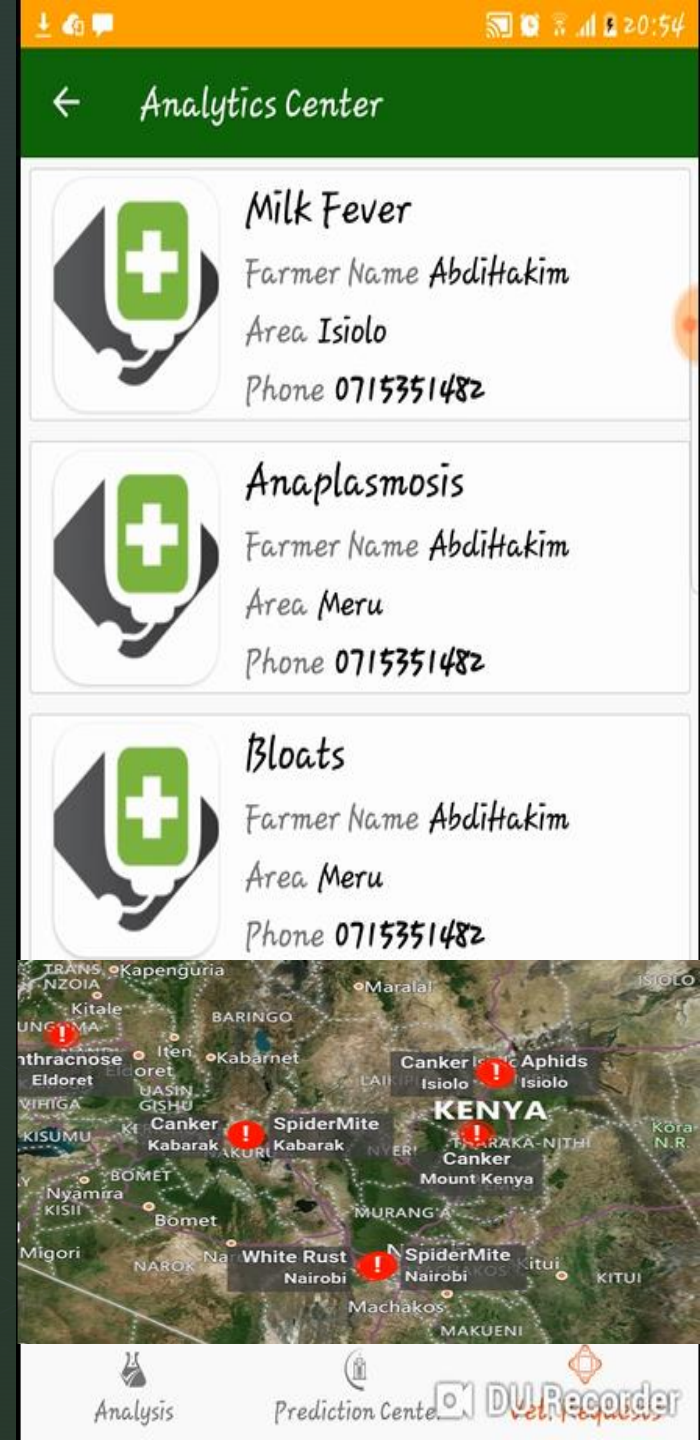
iCropal

Need for the Project

1. Connects Farmers and Experts as a Communication Platform



Farmers get connected with experts around by receiving services from experts and notifications messages about the area they are located regarding the status like diseases spread and outbreak, weather, prediction yields and so on. Be it Crop farmers or animal farmers.

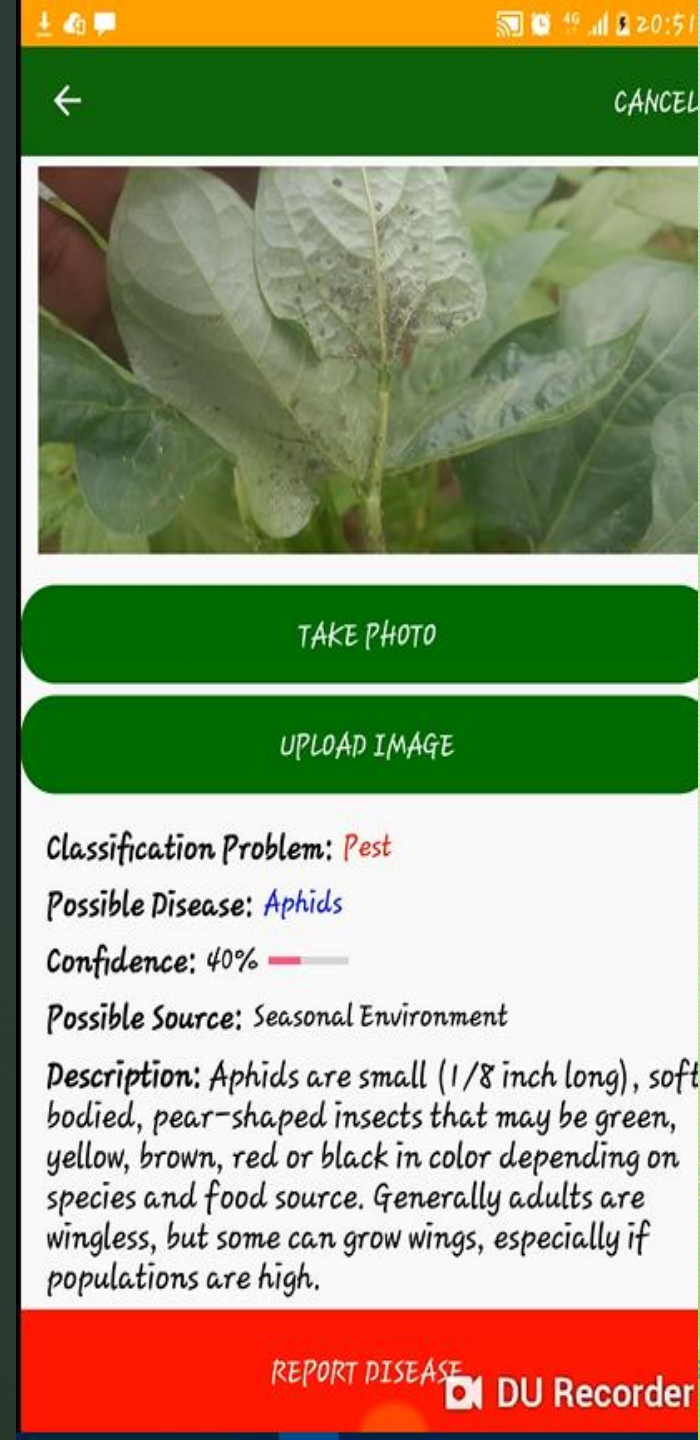


Need for the Project

2. Helps Farmers in **diagnosing** and **detecting** diseases in their crops

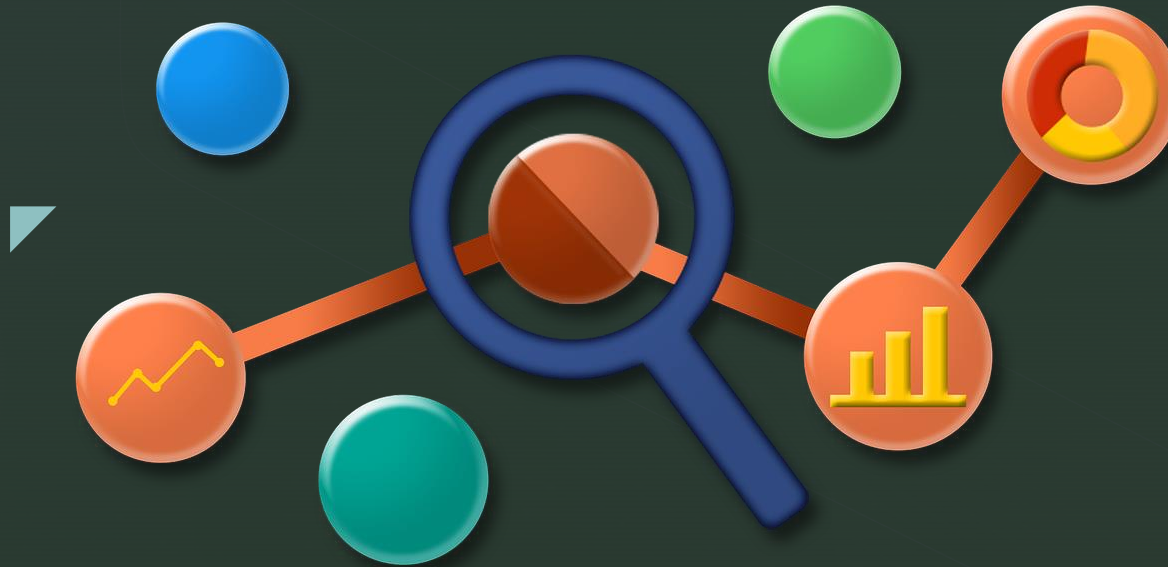


Farmers can easily use the application to take a photo of an infected plant crop and run the analysis for the app to show the possible disease and how to go in mitigation. A lot of farmers suffers since they don't have enough knowledge on how to stop and mitigate the diseases they are facing while they are in the field. They go loss. There is need to detect those diseases earlier.



Need for the Project

3. Data Compliance



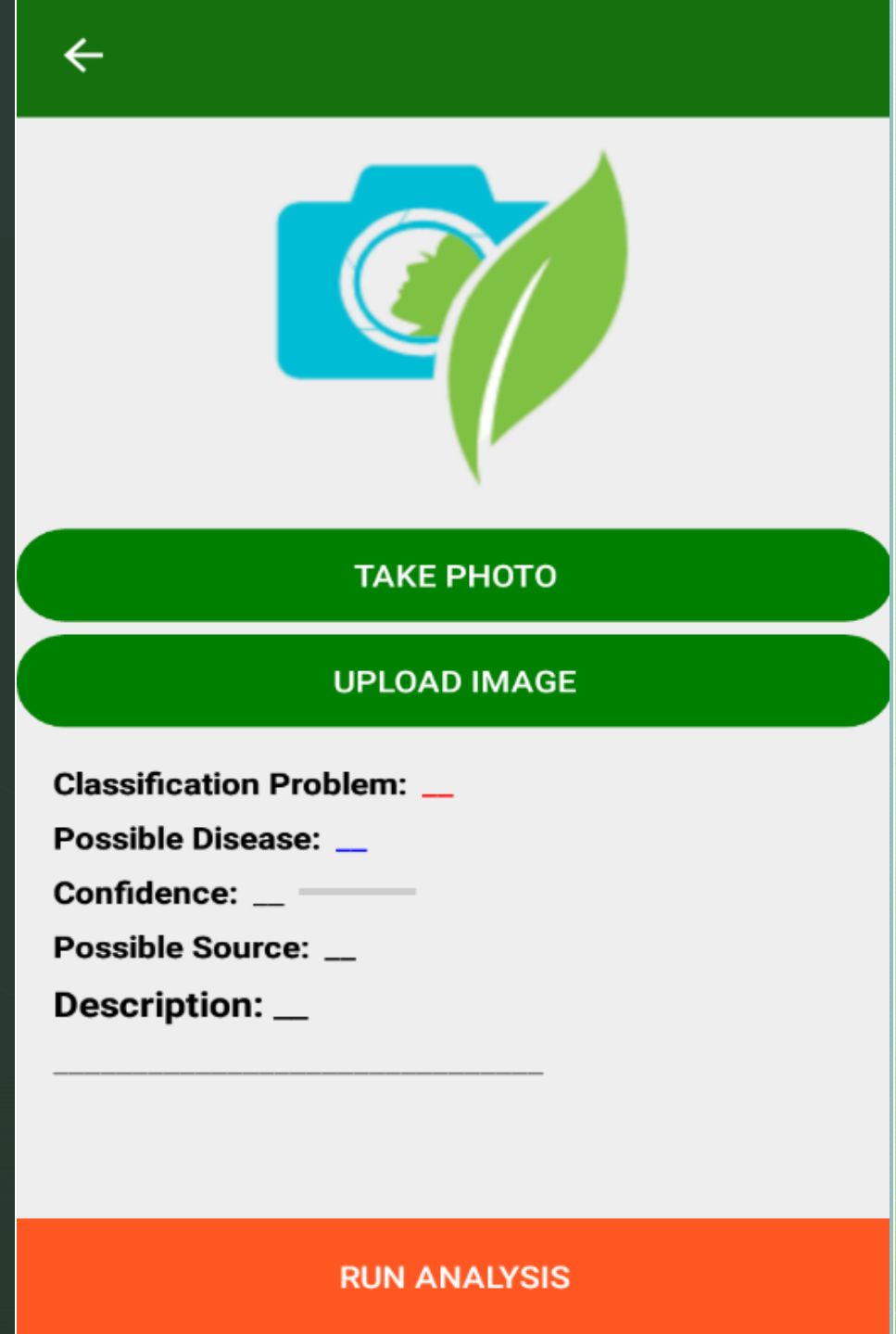
All information regarding the detection and spread of the diseases in real time, the highest infected area, the types of diseases that are common in most parts of the country, the drugs that are in high demand by the farmers, the yields predictions of the farmers produce, the market stocks predictions if raising or falling, the prices prediction of the products brought by the farmers.



How it Works


1

Farmers easily use the app to snap a photo
Of an infected crop and Runs the analysis



The app interface is displayed on a mobile device screen. At the top, there is a green header bar with a white back arrow. Below the header, there is a large icon of a blue camera with a green leaf inside its lens. Underneath the icon, there are two green buttons: "TAKE PHOTO" and "UPLOAD IMAGE". Below these buttons, there are several input fields for analysis results: "Classification Problem: __", "Possible Disease: __", "Confidence: __", "Possible Source: __", and "Description: __". At the bottom of the screen, there is a large orange button labeled "RUN ANALYSIS".

←



TAKE PHOTO

UPLOAD IMAGE

Classification Problem: __

Possible Disease: __

Confidence: __

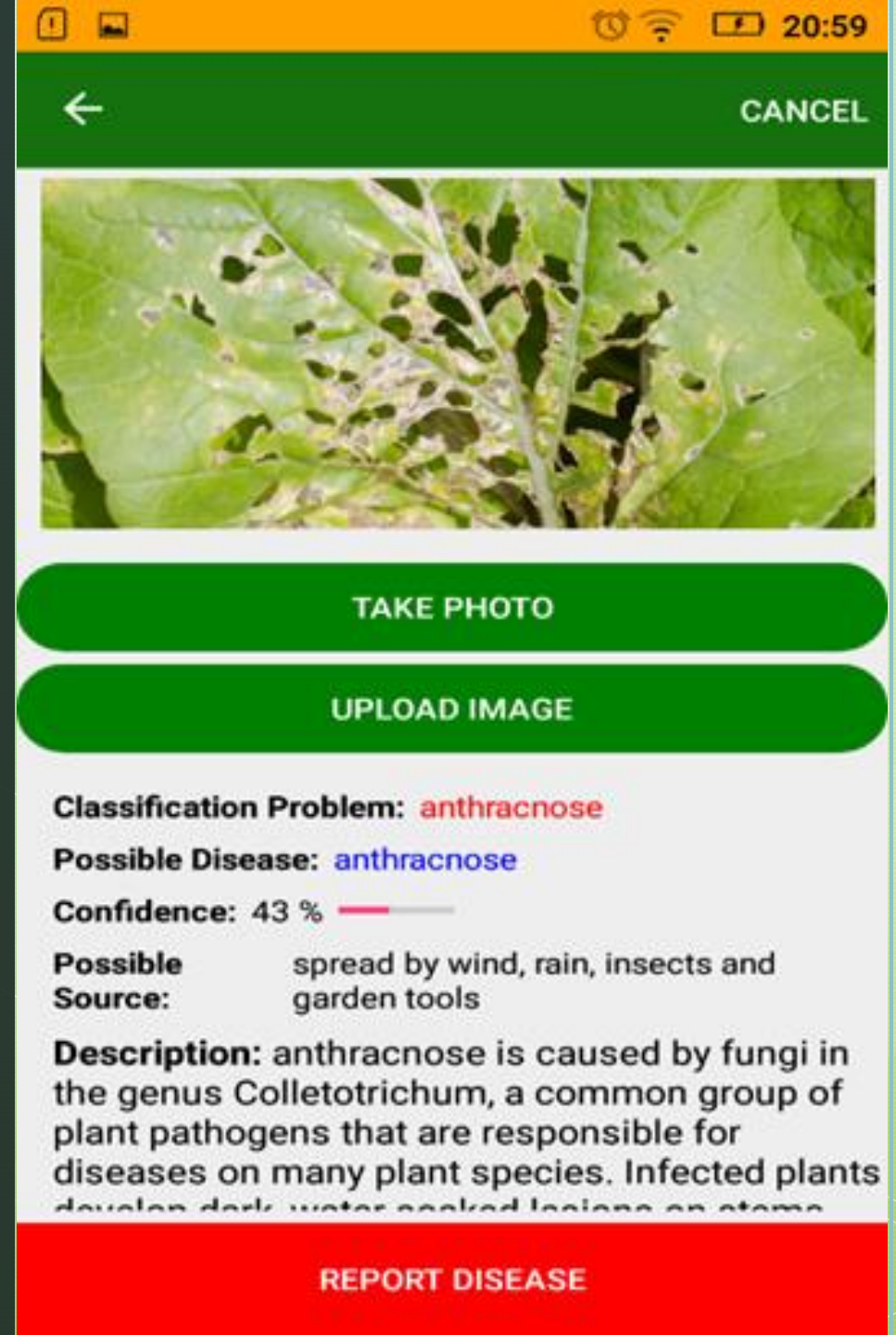
Possible Source: __

Description: __

RUN ANALYSIS

How it Works

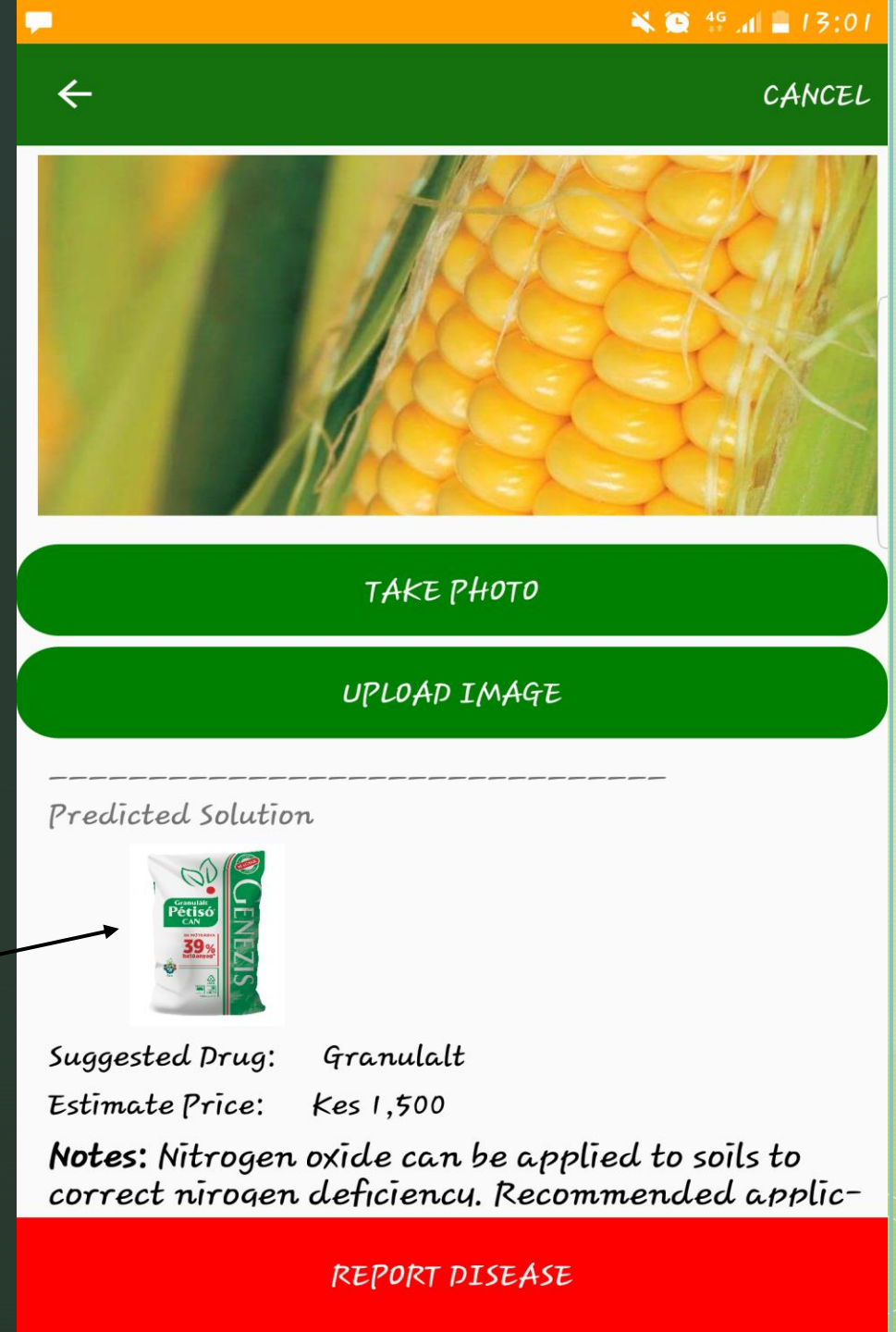
The app runs the process to predict the possible disease that the crops suffers from. It gives the farmers enough details about the disease.



How it Works

After predicting the disease, the app pulls the possible Solution on how farmers can go in mitigation ways.

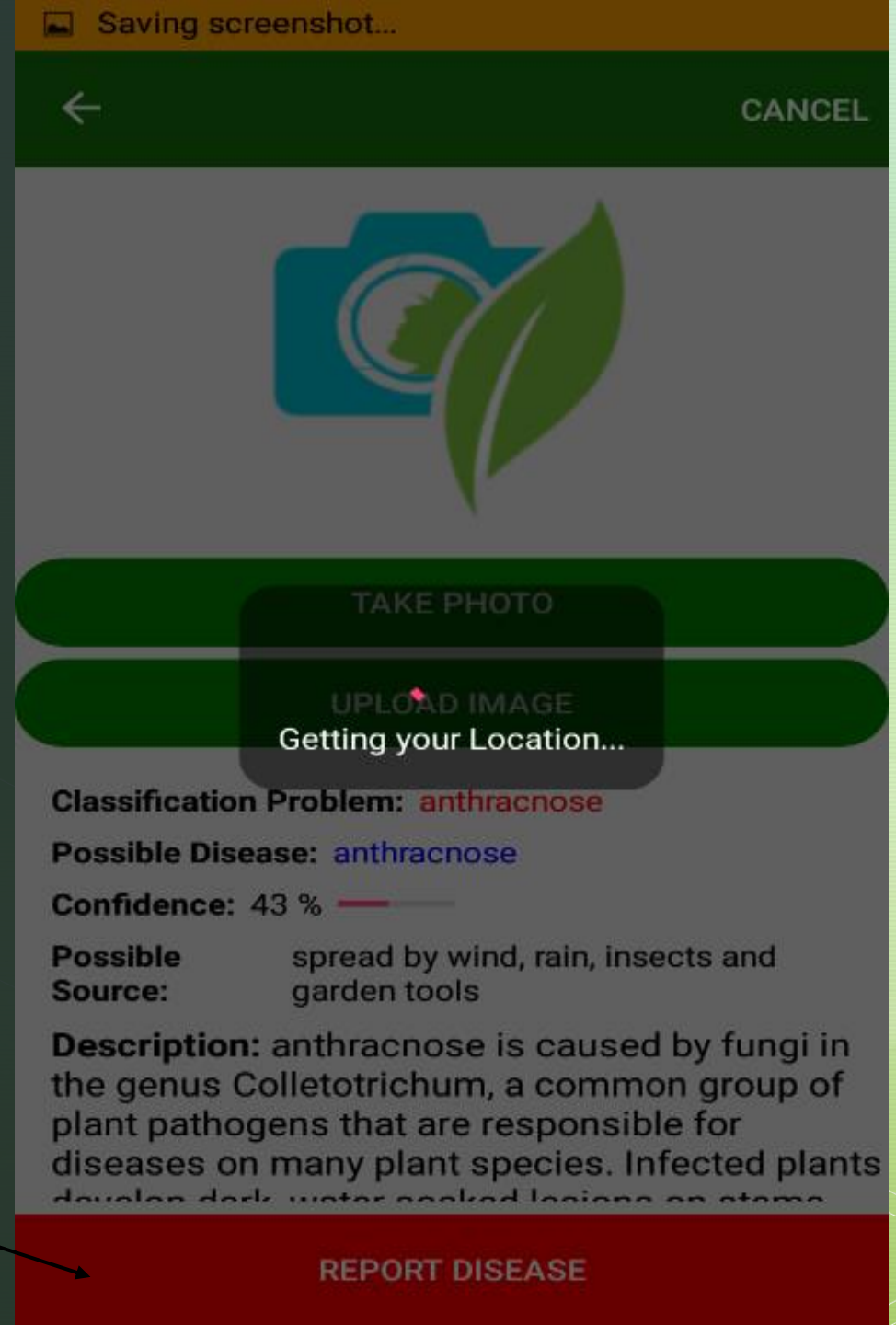
Predicted solution with some clear info on what farmers should do. It suggests Drugs/Advice to do.



How it Works

Farmers reports the diseases and the app will collect the info together with GPS location to send them to the data centre for further processing of data insights

By reporting, the app uses Machine Learning Models to run algorithm to determine the spread of a certain detected disease.

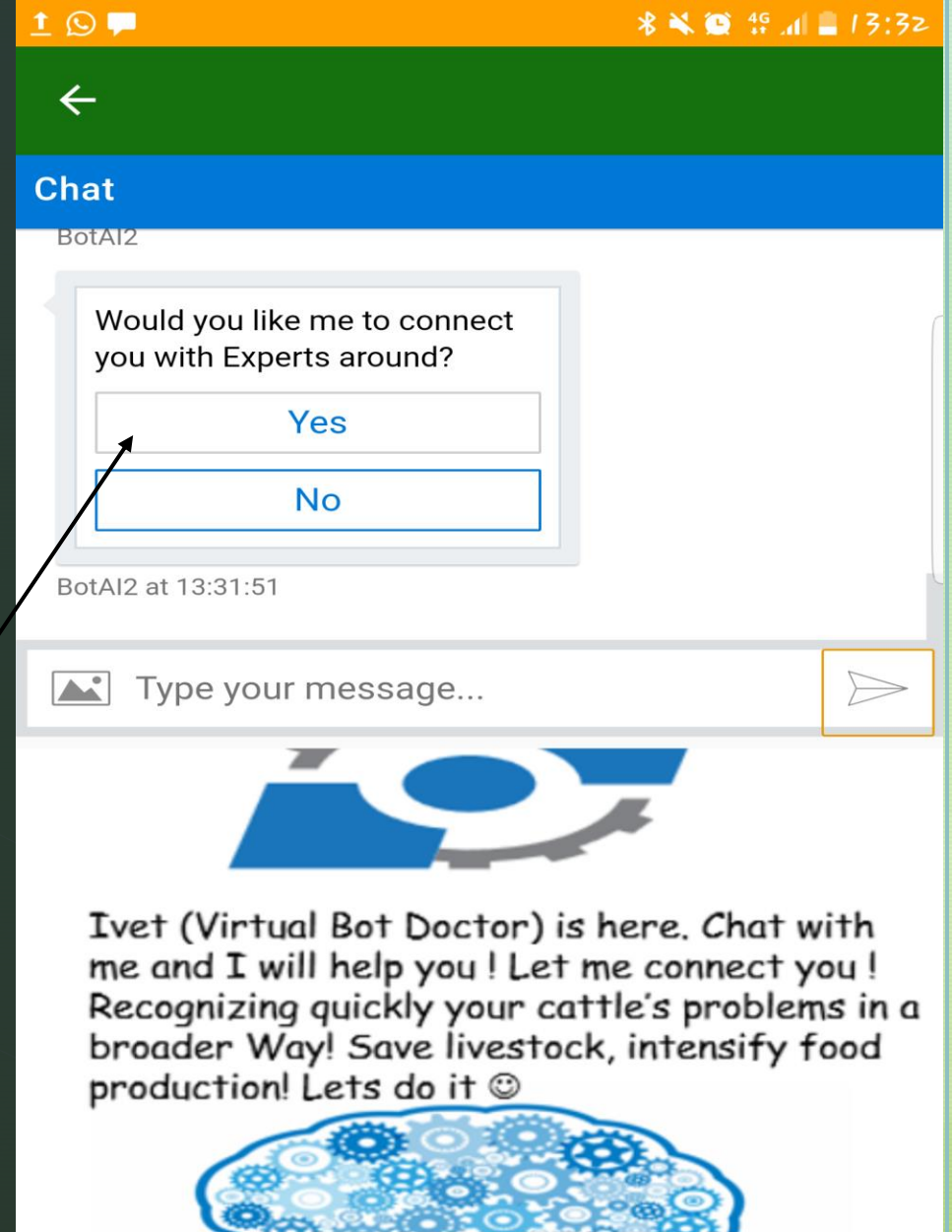


How it Works

2

Farmers can Get connected to the experts around them. This greatly help as we provide the gap of communication platforms between farmers and Experts

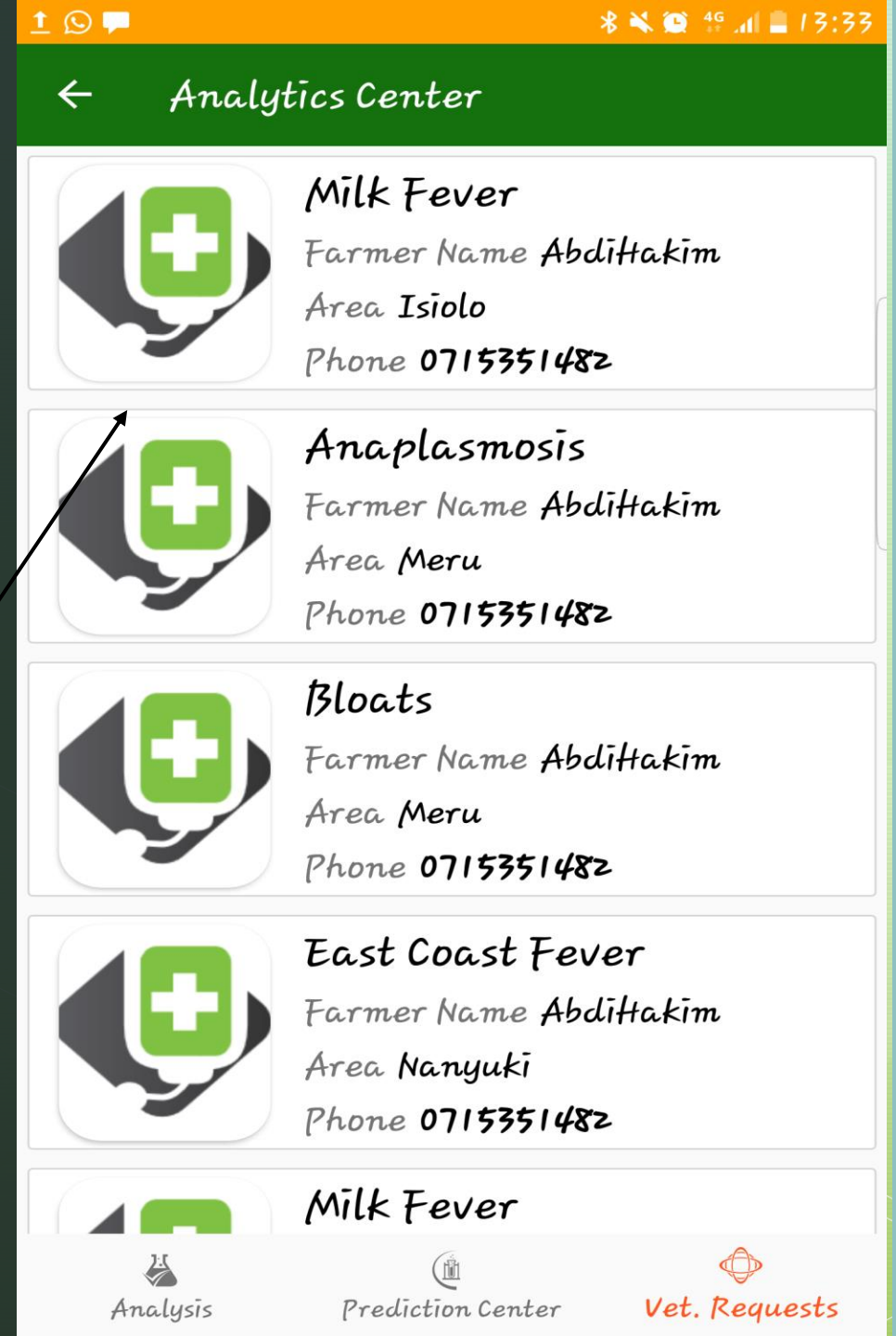
Farmers can use Smart Bot chat or Direct booking page to get connected to an expert by sending details like taking photo and description to send to an expert to come and further help in diagnosing problems



How it Works

Requests sent to the nearby Experts. These are bookings/requests from the farmers around the experts.

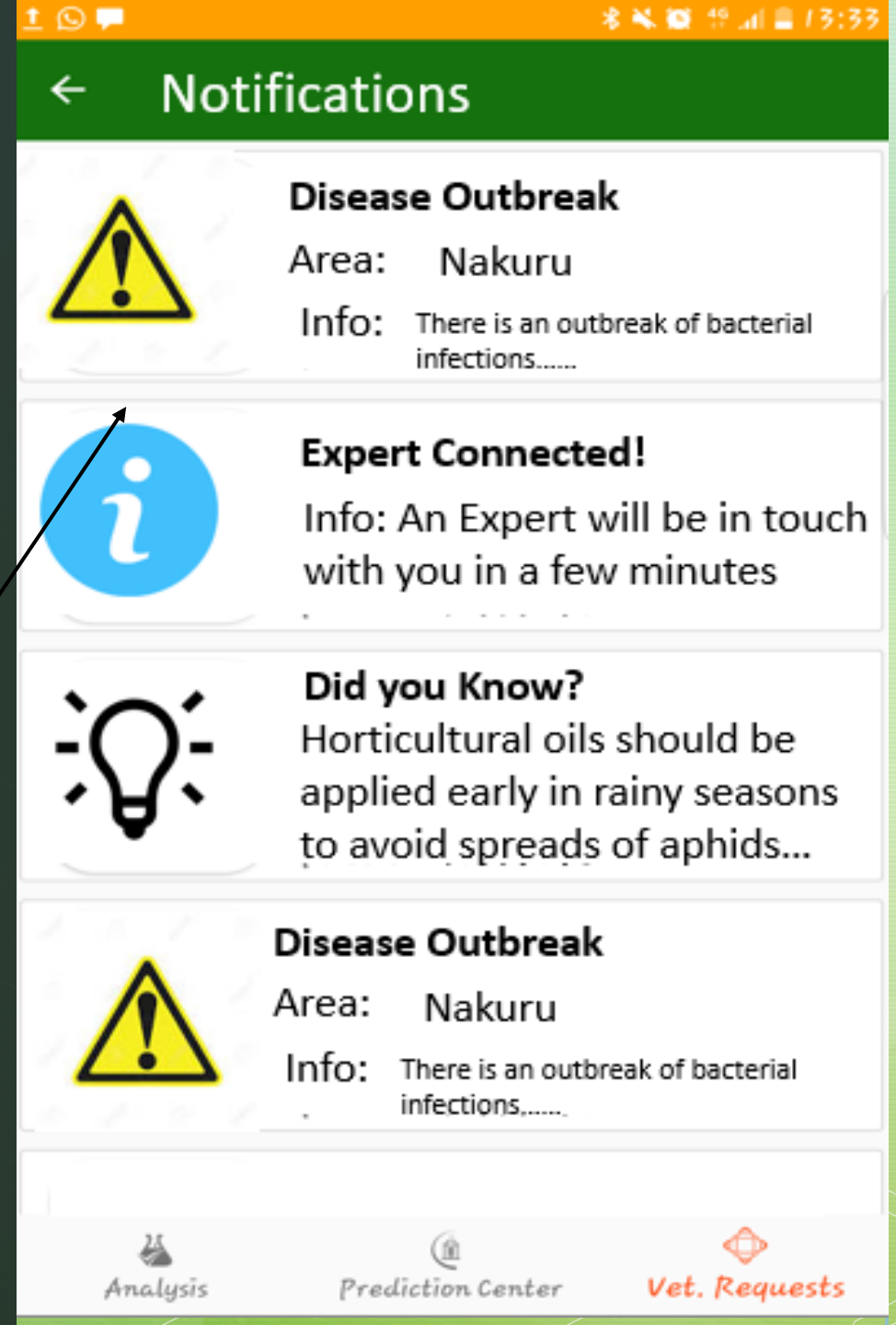
Requests of the Farmers to the Experts requesting some services. This amplifies the communication platforms between farmers and experts.



How it Works

Notifications Systems that Alerts farmers on dangers like outbreak of a certain disease, weather conditions, yields on demands and new discovery facts about farming.

Real time Notification Systems that helps organization or government to send immediate message to the farmers in a certain location area.

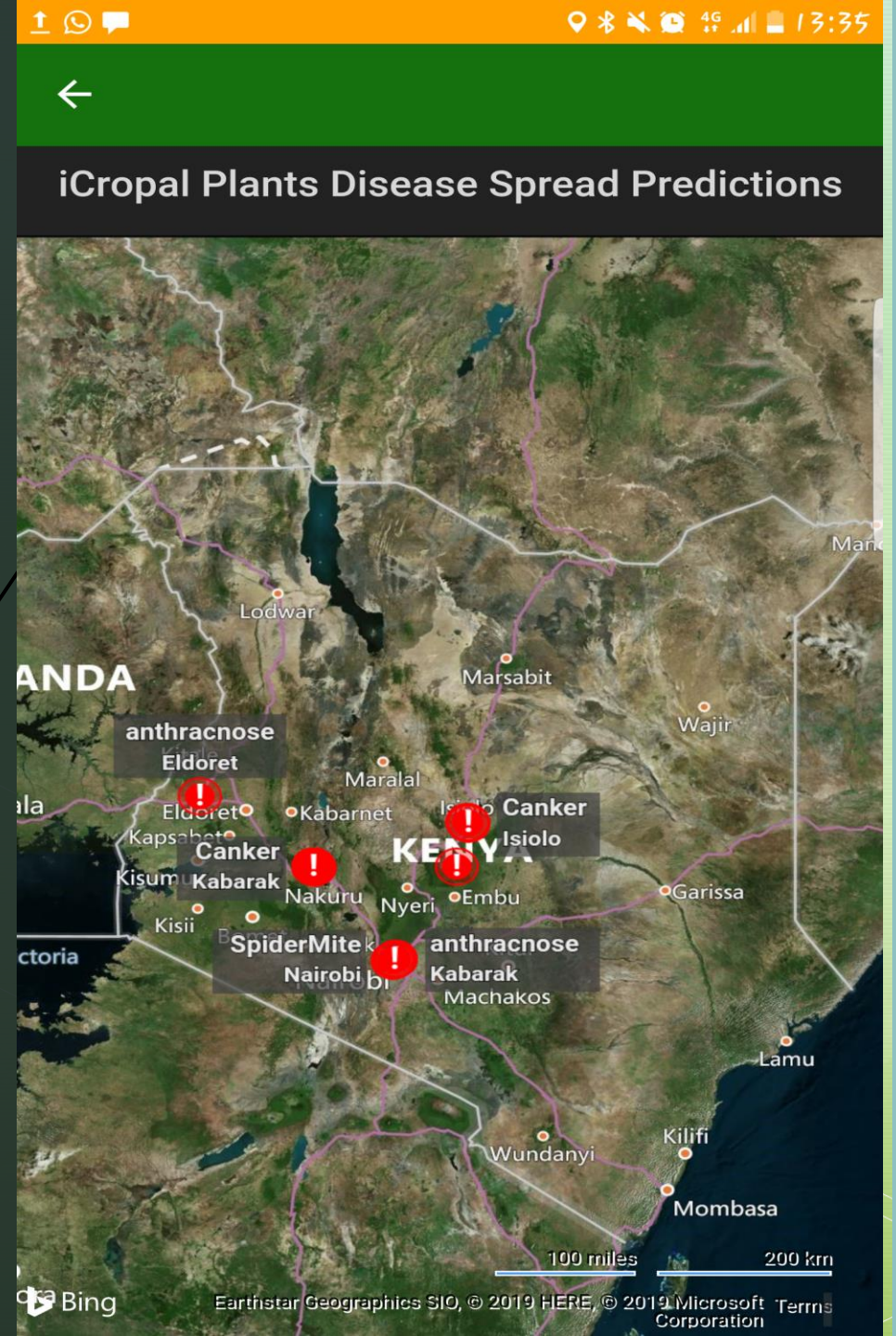


How it Works

3

Data Compliance: Giving information generally as an insights to show the identification and spread of the diseases visually on the maps

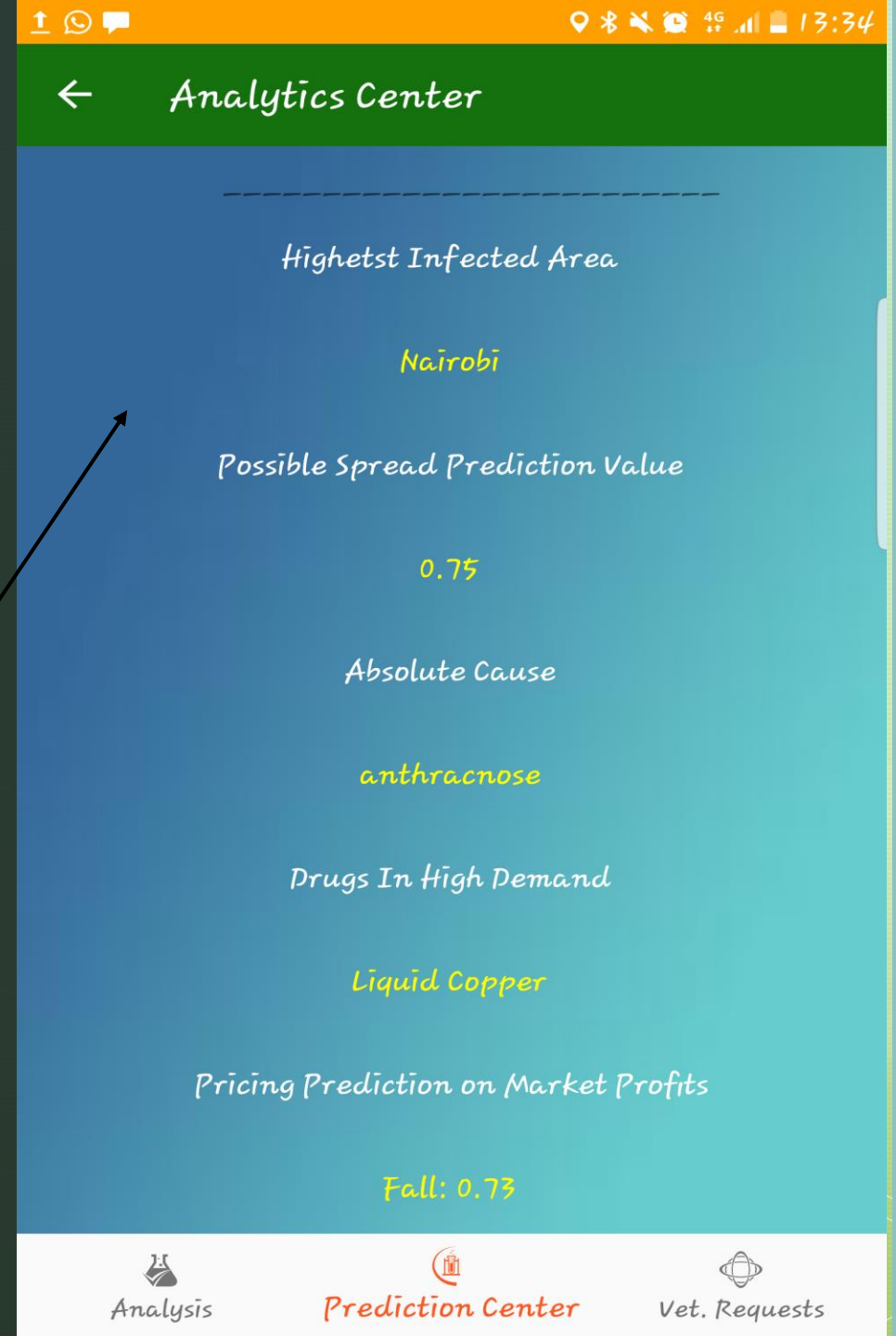
Diseases detections real time on the map and implementation strategies



How it Works

Data Insights: Gives important information about the areas that are mostly affected, major kind of diseases, drugs in high demands by farmers, yields predictions and markets predictions

Important Information analysis that will be used daily by the users to make their own decisions.



Amplifying Animal Farmers Experience

A Sample of a Cattle suffering from foot rots infections and the Bot displays a type of drug you need to buy to inject your cattle

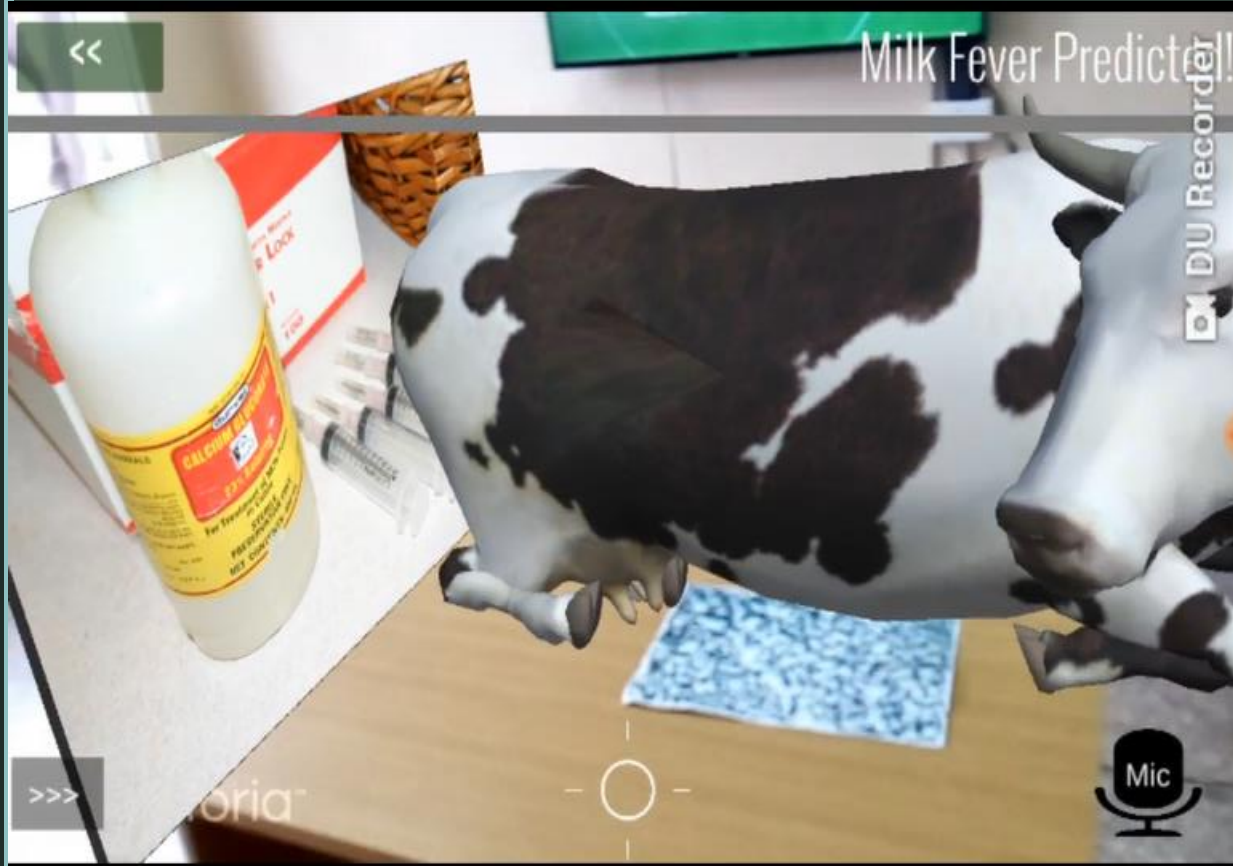


Amplifying Animal Farmers Experience



Using augmented reality technology on mobile phones, animal farmers can get educated more on several types of diseases their animal like cattle is suffering from and how to in mitigation ways!

Amplifying Animal Farmers Experience



Use this application in
your own comforts!

Use it in indoors/outdoor
Environment!

Amplifying Animal Farmers Experience



A sample of a test that explains to the farmer about the East Coast Fever affecting cattle, the cause and the treatment for it using Artificial Intelligent.

Amplifying Animal Farmers Experience

As you can see, we are using latest technology that are trending to implement them to solve real world problems like Agriculture to both Crop farmers and Animal Farmers!

Amplifying Animal Farmers Experience

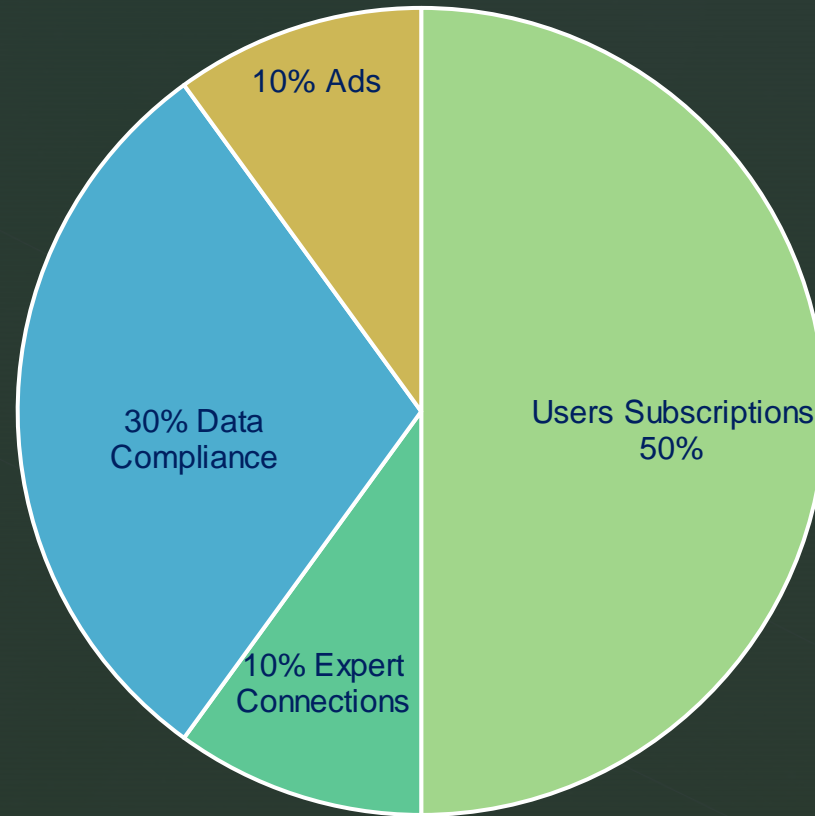
The Power of Artificial Intelligent and Augmented reality to empower farmers to do more, and the future of shaping this industry of Agriculture begins now with this great solution!

➤ AR FOR FUTURE BENEFITS!

Using AR Technology, we believe not only we will help in diagnosing diseases in cattle or any animal but to utilize it in Marketing gap by Providing animal sellers this platform to sell their domestic animals to people instead of people visiting to the real place to have a look! All will be available for real view in AR Apps!

Business Models

Percent



■ Users Subscriptions ■ Ads ■ Data compliance ■ Experts Connections



1. Users Subscriptions

Users can pay \$25 per Month or \$55 annually to receive all premium services from the app



2. Data Compliance

Selling out data information that are built and predicted every day by AI to provide decision making actions to organizations and government departments.



3. Ads

We help in advertising farming drugs like pesticides, insecticides etc. by adding them in our app when it suggests the possible solution drugs you need to buy to your crops or animals.



4. Experts Connections with Farmers

We help in connecting experts and farmers around nearby places. Though this, we get some commissions per successive connections.

Marketing Reach!

Through the investors in Europe, we believe in
Partnering with our investor to Make it happen:

Mirnov

Miroslav Novta, dipl. ing. EE

Who we are:

We are a team startup with a mission of democratizing farming success yields amongst the farmers community.

AbdiHakim Hussein: +254 7 15 351 482

Email: a-dev.Isaack@outlook.com

Founder, iCropal for Farmers

Video Samples

