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***Be a "Climate Champion"***  
***in person of a Citizen Scientist-***  
***A Training Manual***

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**ICAS TEAM MEMBER IS GIVING  
PRESENTATION TO FARMERS  
ABOUT IRRIGATION AND  
CLIMATE ADVISORY SERVICES**

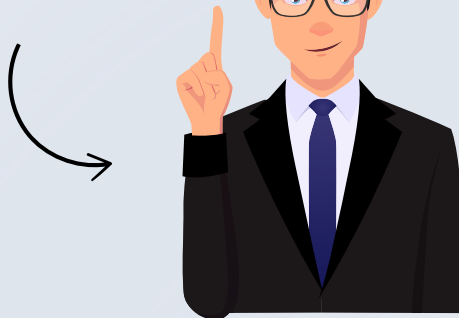
*Today, we're here to discuss the uses and benefits of the ICAS data app and how it is helping farmers improve their day-to-day irrigation and other practices through better data and insights.*

*As you know most important feature is our Citizen Scientist Data generation. It helps the farmers and us as well to customize irrigation scheduling information according to crop requirement.*

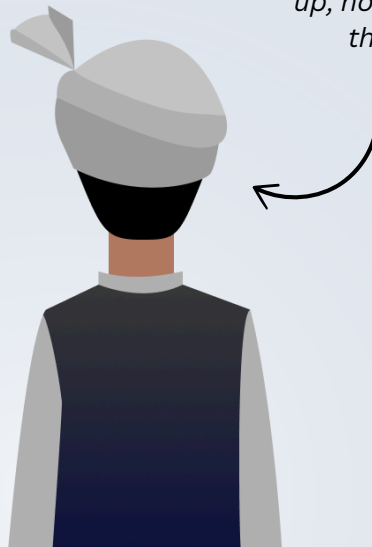
*I'm a farmer, and I am interested to become a citizen scientist to help gather data and improve my own irrigation practices. How can I join?*



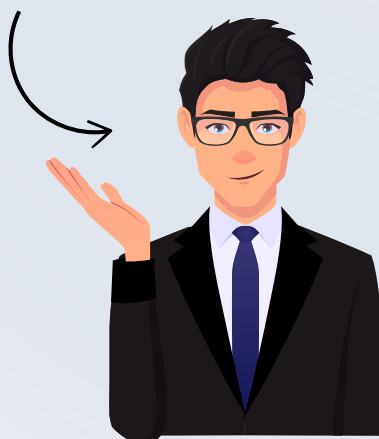
*That's fantastic! The first step is to visit our official webpage and fill out a registration form to submit your interest to become a citizen scientist.*



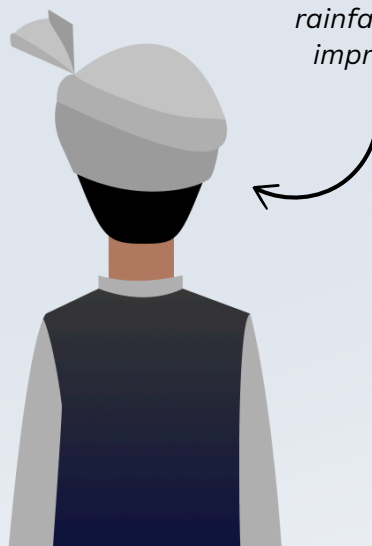
*Sounds good. Once I sign up, how do I get assigned the parameters?*



*After registering, you will be assigned parameters according to the weather gadget that you will buy. We generally use 5 parameters according to their weather gadgets, Rain gauge for rainfall, Thermohygrometer for humidity and temperature, barometer for air pressure, anemometer for wind speed.*



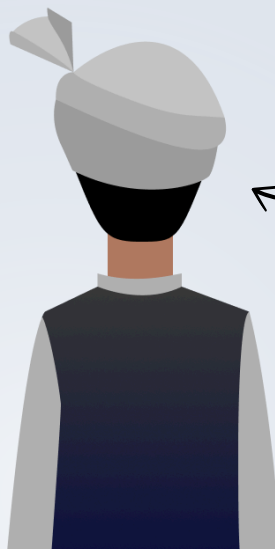
*Perfect! I'd like to request a rain gauge so I can get rainfall related data and improve my irrigation.*



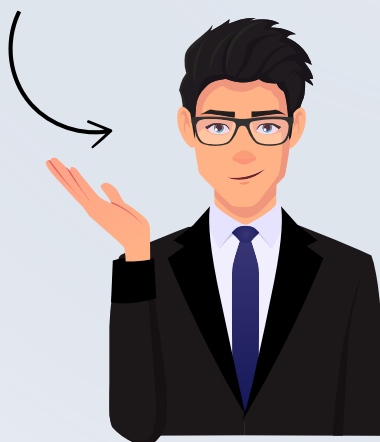
*The rain gauge will be a great choice for this! By using the app along with the gadget, you'll get weather advisories which will help you make informed irrigation decisions.*



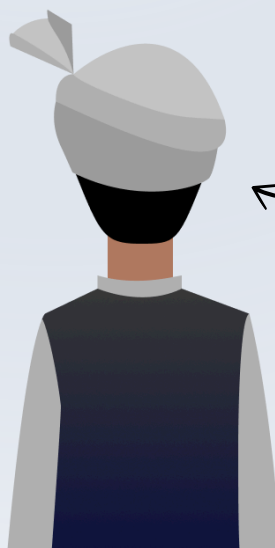
*This could really help me plan better. I'm ready to sign up and start using the app and tools!*



*Fantastic! With the tools and the app, you'll improve your farming and contribute valuable data.*



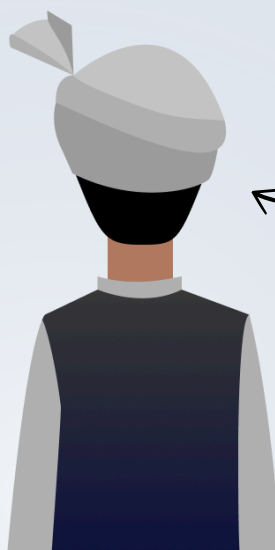
*Do i need to worry about units?*



*We use km/hr for wind, ml for rainuage, hPa for barometer, °C for temperature and % for humidity, so you do not need to worry to put units of measurement everytime.*



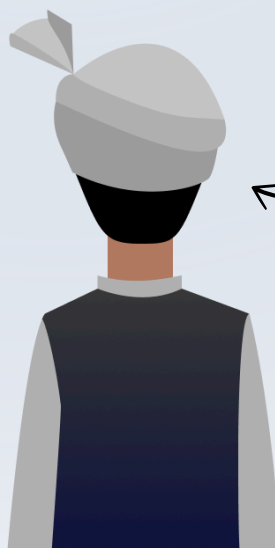
*Do you provide training as well?*



*Absolutely! We stay in touch with you 24/7 and provide detailed training for using both the app and the gadget. We also provide manuals and guide videos, and our support team is available through WhatsApp anytime.*



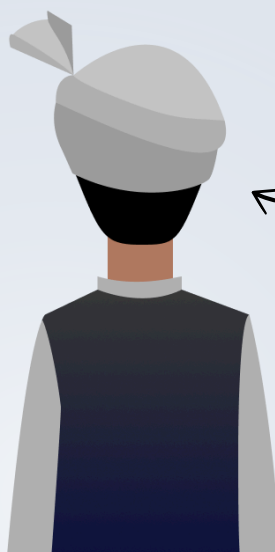
*I am very excited to start this journey.*



First download the app from Apple or Google Play Store by typing ICAS Data. This app is free to download and for now there are no subscription cost.



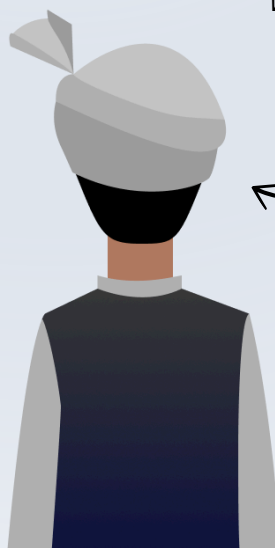
Here i have downloaded the app, what to do next?



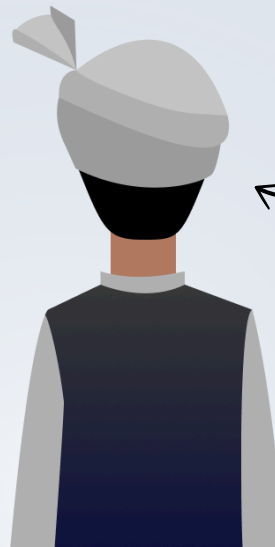
If you are assigned credentials you may login and see your dashboard as citizen scientist. App will ask you for location. This feature is enabled to enhance the quality of data. You may only submit data when you are within your area boundary.



What will i do if i am out of town?



*In that case you should avoid  
sending data because app is  
designed not to receive this  
data*



*Alright*

*We wish you the best. Let's meet  
again after a couple of months to  
discuss your progress.*



*Sure! I would love to  
have you.*

MONTHS LATER, THE ICAS TEAM  
RETURNED TO THE FARM,  
EAGER TO SEE HOW THEIR NEW  
CITIZEN SCIENTIST WAS DOING

*I've come a long way. Thanks to your training, I'm no longer just a citizen scientist. I am now a climate champion as I help other farmers in understanding climate and data. We were suffering from climate change but now we correlate science with our knowledge.*

*How are you finding the experience of being a citizen scientist?*



*Alhamdulillah, this rain gauge has changed the way we farm. When the rainfall exceeds 20ml, I immediately head to the fields to make arrangements for safety.*



*I have learned to monitor how many ml of rain have fallen, and this awareness helps me to predict potential flood risk. I adjust my irrigation schedules according to the rain data, this practice is saving a lot of electricity and water.*



*Moreover, this has also helped me to increase my crop production. This small tool has taught me to protect my crops and cut down on unnecessary costs.*



*Yes, I'm no longer just reacting to the weather; I'm preparing for it. This knowledge has helped me to protect my farm, my livelihood, and even share tips with other farmers in my community.*

*That's incredible. That is a new learning for us too. Thank you very much.*

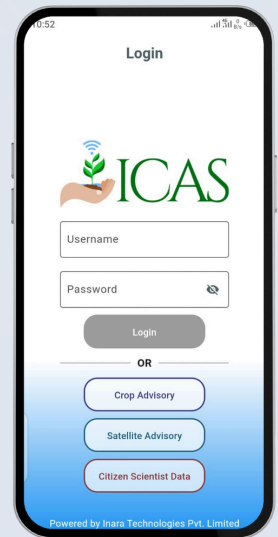


I am not interested to become a citizen scientist, how Icas Data app could be of some use to me?

Yes of course, this App is designed for the "citizen scientists" as well as for the direct beneficiaries of weather and irrigation advisories.

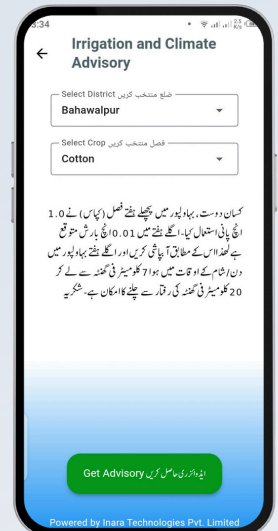
You can still download the App, and without logging in can visualize;

- The data shared by any other citizen scientist in your area
- The satellite-based weather forecast that contain the information for next seven days forecast for rainfall, temperature and wind speed.
- The irrigation advisory for your crops.



This is interesting, how can I use irrigation advisory services?

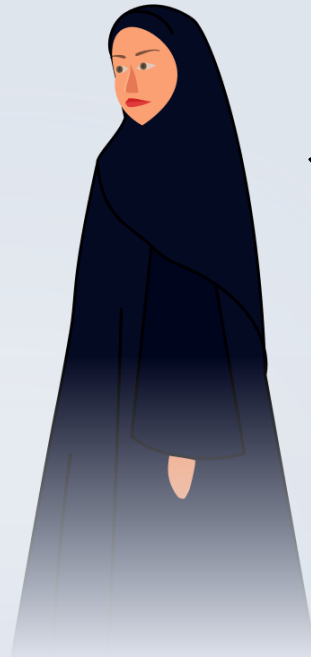
You can click on crop advisory button on main screen and select your district and crop, an advisory message in urdu will be generated. In this way You can see data of multiple crops cultivated in your area.



*That is wonderful. What if, I  
have questions regarding  
irrigation crop advisory?  
Who should I approach?*



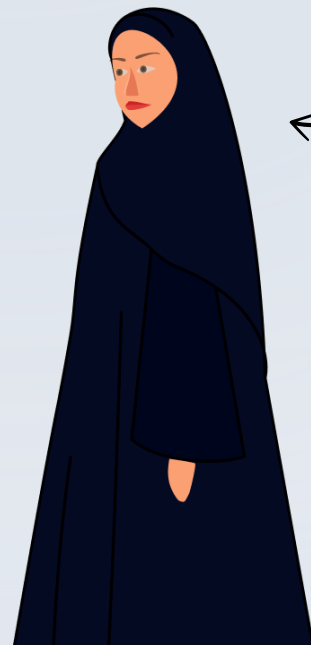
*You can always visit our website  
and find some material to read  
under resources tab  
(<https://icas.inara.tech>)  
and you may also contact us on  
whatsapp.*



*Can I still see irrigation  
advisory service if I am  
travelling to another city?*



*Yes, you can access the  
advisories anywhere you can  
access the internet.*



*Thank you, I am very happy  
to get involved in ICAS Data,  
I will share this with my  
other friends and relatives.*



THE ICAS TEAM SMILES, KNOWING  
THEY HAVE GUIDED MANY  
FARMERS LIKE HIM ON THE  
JOURNEY FROM A CITIZEN  
SCIENTIST TO A SELF-TRAINED  
CLIMATE CHAMPION

