

# **iCARE Innovation Fund**

## **Smart Farm - A Complete Climate Advisory Dissemination System**

### **Monthly Progress Report**

**Reporting period: 01 July 2024 to 31 July 2024**

Prepared by: Cropin Technology Solutions  
Private Limited

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# 1. Project Information

<b>Project Title:</b>	SmartFarm - A Complete Climate Advisory
<b>Project Code:</b>	WBCAR
<b>Partner Organisation:</b>	Cultive8, ICTA Sri Lanka, Sher-E-Bangla Agricultural University Bangladesh
<b>Reporting Period:</b>	1 July 2024 to 31 July 2024
<b>Date of Submission:</b>	05 August 2024
<b>Contact Name:</b>	Aditya Shah
<b>Contact Position:</b>	Global Director- Strategic Partnerships
<b>Contact Email Address:</b>	aditya.shah@cropin.com
<b>Contact Telephone Number:</b>	+91-7259177288
<b>Status of project progress in this reporting period</b>	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay <input checked="" type="checkbox"/> <b>On Track</b>
<b>Report sign Off</b>	<input checked="" type="checkbox"/> I have reviewed all the information provided for each section including the number of beneficiaries. The information provided for each section of the report is complete.  Name: Aditya Shah                      Designation: Global Director- Strategic Partnerships

## 2. Key Achievements

As of today, we have successfully onboarded 7600+ farmers, demonstrating a substantial impact on the ground. This achievement underscores our commitment to empowering agricultural communities and enhancing their access to resources and information.

In addition, Crop Advisories are being sent for the ongoing Yalla season in Sri Lanka. Plot Risk and Disease Early Warning System (DEWS) models have also been deployed and have started giving insights at the plot level.

### 3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planed for the subsequent month
Working ADPC Hosting on Cropin Cloud platform  (Dec 2023)	<b>Completed</b> <ul style="list-style-type: none"> <li>The hosting has been created. Two different domains have been created, one for each country.</li> </ul>	<b>Completed</b> <ul style="list-style-type: none"> <li>The hosting has been created. Two different domains have been created, one for each country.</li> </ul>	N/A
Completion of process mapping document  (Dec 2023)	<b>Completed</b> The process mapping has been done along with the Partner. The areas have been selected and the team structure was decided.	<b>Completed</b> The process mapping has been done along with the Partner. The areas have been selected and the team structure was decide	N/A
Completion of system configuration  (Dec 2023)	<b>Completed</b> All the data has been uploaded to the system and the account activation has been done	<b>Completed</b> All the data has been uploaded to the system and the account activation has been done	N/A
Successful testing and smoothly executing platform as per the process mapping identified  (Dec 2023)	<b>Completed</b> Testing of the platform has been done using dummy data.	<b>Completed</b> Testing of the platform has been done using dummy data.	N/A
Completion of config changes	<b>Completed</b>	<b>Completed</b>	N/A

(Dec 2023)	The changes have been applied according to the feedback.	The changes have been applied according to the feedback.	
Successful testing and smoothly executing platform as per the process mapping identified  (Dec 2023)	<b>Completed</b> The testing has been done, changes applied and the process mapping has been identified as well.	<b>Completed</b> The testing has been done, changes applied and the platform is running according to the process map	N/A
Completion of training programs  (Dec 2023 – Jan 2024)	<b>Completed</b> ● Training has been completed.	<b>Completed</b> ● Field team training was conducted for both the field teams. Multiple sessions were organised and all queries were cleared	
Completion of testing by on-ground team  (Dec 2023 – Jan 2024)	<b>Completed</b> The testing has been completed.	<b>Completed</b> The field team used the application using test data.  ●	
Clearance of all test data from the platform	<b>Completed</b> All the test/dummy data collected during the testing phase will be deleted.	<b>Completed</b> All the test data has been deleted and a clean version of the platform has been shared with the team.	
On ground team visiting farmers to start data capture  (Dec 2023 – Jan 2024)	<b>Completed</b> The teams have already gone to the farmers and started capturing ground data.	<b>Completed</b> The field teams have already started visiting farmers to capture data.	7639 Farmers have been registered on Cropin Grow

<p>Completion of farmer profile and land record capture</p> <p>(Dec 2023 – June 2024)</p>	<p><b>Completed</b></p> <p>The field teams have started capturing data into the platform.</p>	<p><b>Completed</b></p> <p>The field teams have started capturing data into the platform.</p> <p><b>In-Progress</b></p> <ul style="list-style-type: none"> <li>This is an ongoing process and shall continue till 8000 farmers are onboarded.</li> </ul>	<p>Land geo coordinates are captured through the area auditing feature of the platform.</p>
<p>Climate smart advisories</p> <p>(Dec 2023 – Dec 2024)</p>	<p><b>Completed</b></p> <ul style="list-style-type: none"> <li>As the data starts to populate the climate-smart advisories shall be provided to the farmers.</li> </ul>	<p><b>In-Progress</b></p> <p>In Sri Lanka, Paddy crop in the ongoing Yalla season is almost 80 days old. Total crop duration is 120 days and harvesting is expected to start from August onwards. Plot Risk and DEWS models have been enabled for all three locations. As of now, no possible disease threat has been observed.</p> <p>In Bangladesh due to the protests during July, internet and other services were shut down. The mobility was hindered due to this. The onground conditions are getting better at the moment. We have already established contact with the onground team and regular discussions are being done.</p>	

Dissemination of advisory services, PoP information (certified by the authorized departments of respective countries), pest & disease early warning alerts  (Dec 2023 – Jan 2025)	<b>In Progress</b> As the data starts to populate the advisories shall be provided to the farmers.	<b>In-Progress</b> Crop advisories have already been started in both the countries.	
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#### 4. Results Framework Indicators Progress

	Baseline	Actual (Previous)	Actual (Current)	End Target
PDO Indicator Description: To contribute to an enabling environment for climate-resilient policies and investments in select sectors and countries in South Asia				
Value		6922 Farmers	7639 Farmers	Govt: 2 Citizens: 8000 farmers
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments	Crop advisories have already been rolled out in both the countries and continue as the season is going on.			
Outcome 1 Indicator Description: SMS Advisories encompassing tailored climate smart advisory and alerts for any disease attack				
Value		6922 Farmers	7639 Farmers	8000 Farmers
Date		30 June 2024	31 July 2024	15 January 2025
Comments	SMS for crop advisories has been started in both the countries.			

Output 1 Indicator Description: Trained stakeholders on the use of the platform and its application to inform decisions for Climate Change Adaptation (CCA)				
Value		6922 Farmers/Direct beneficiaries of the Project  Bangladesh: 4236 Male: 3124 Female: 1112  Sri Lanka: 2686 Male: 1933 Female: 753	3639 Farmers/Direct beneficiaries of the Project  Bangladesh: 4236 Male: 3124 Female: 1112  Sri Lanka: 3639 Male: 2639 Female: 1000	8000 Farmers/Direct beneficiaries of the project  Bangladesh Male: 2448 Female: 952  SriLanka Male:1878 Female: 1122
Date		30 June 2024	31 July 2024	31 August 2025
Comments	A total of 41 licences have been enabled, out of which 2 licences (one for each country) being used for admin purposes. Of the 25 licences quoted in the initial plan, we are currently at 39 licences for the ground team. This has helped us to get quality data in both the countries within a short period of time.			
Output 2 Indicator Description: Knowledge Products created and published containing learnings and insights from the project				
Value		0	0	6 Knowledge Products by the end of the project and Monthly progress reports  Type: Final Report(Case Study): Number: 1 Theme: Report (Case Study)and case study



				Type: Video Case Study: Number: 1 Theme: Video  Factsheet: Number: 1 Theme: One Pager Type: Project Highlight factsheet Type: Virtual Knowledge Sharing events: Number: 1 Theme: Webinar and Podcasts Type: Blogs/Articles/Case Studies Number: 2 Theme: Blog Posts
Date		30 June 2024	31 July 2024	
Comments	Knowledge products will be created by the end of the project. The on ground team has started collecting farmers' testimonies and stories. Additionally a case study is currently in the draft stage which is being made in collaboration with ADPC. Internal preparations have started for the required materials such videos and debriefers for the national workshop to be held at Bangladesh on 15th September.			

## 5. Challenges, Lessons Learned and Way Forward

### Key Lessons Learned:

**Proactive Communication:** We prioritise continuous communication with the project lead on the partner's side, maintaining an ongoing dialogue to facilitate real-time updates and ensure our ability to adapt swiftly to emerging situations. This open line of communication is essential to our strategy, providing the flexibility necessary to effectively address unforeseen challenges. By fostering a collaborative and communicative environment, we strive to uphold a proactive stance, enabling us to navigate obstacles seamlessly and ensure the project's successful progression.

Moreover, our commitment to communication extends internally as well. We conduct regular calls with internal teams to preemptively address any potential hindrances and ensure a smooth journey throughout the project timeline.

### Challenges:

- Due to the protests in Bangladesh, the internet and other services including travelling were shut down.

### Way Forward:

The project is currently on track. We have established connections with the Gram Pradhan and are currently in talks with ICTA in Sri Lanka. Additionally, in Bangladesh we are trying to establish contacts with the Department of Agriculture.

## Annexures:

**Datasets of the registered farmers:** [Farmers' Assets Data Bangladesh](#)

[Farmers' Assets Data SL](#)

4735 Farmers/Direct beneficiaries of the Project

Bangladesh: 4236

Male: 3124

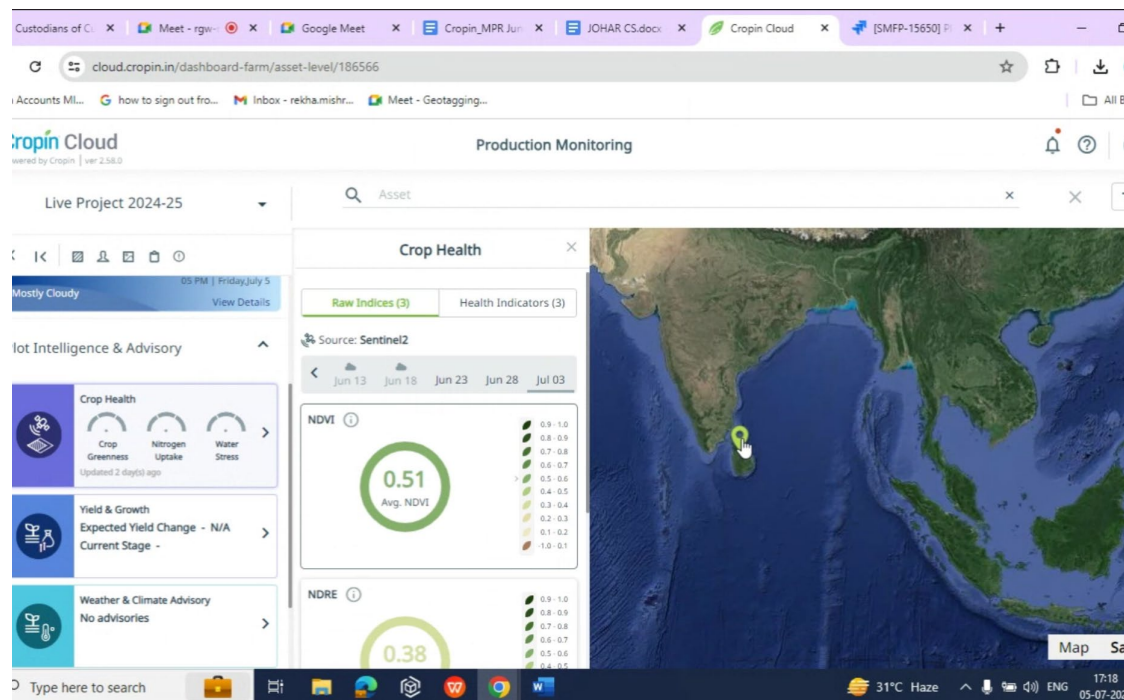
Female: 1112

Sri Lanka: 2686

Male: 1933

Female: 753

## Plot Intelligence through Cropin Application:



cloud.cropin.in/project-farm/monitoring/5551/asset-detail/167101

Project Monitoring | This page shows tasks with satellite data and plot imagery. You can use this page to plan and monitor farm operations. | 8 of 3,589

30/27 Fri | 34/26 Sat | 34/27 Sun | 34/26 Mon | 35/26 Tue | 35/26 Wed | 35/27 Thu

Mostly Cloudy  
29.8°C  
Medavachchiya, Sri Lanka Amradhapura  
06 PM | Friday, 5th July

Rainfall: 0mm | Humidity: 70%  
Wind: 19km/h | Dew point: 23.6°C

HOURLY FORECAST  
Temperature | Rainfall | Wind | Humidity

meet.google.com is sharing your screen. Stop sharing Hide

Type here to search | 31°C Haze | 17:42 05-07-2024

cloud.cropin.in/users#user

User (33) | Individuals who can access various features of the system.

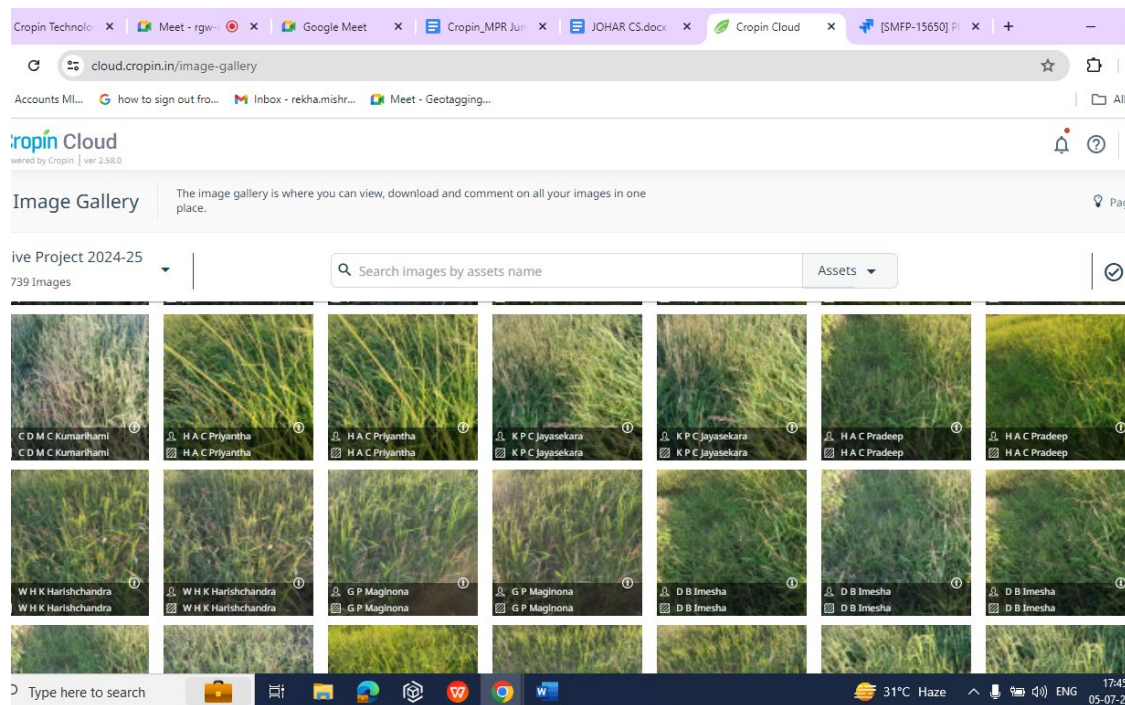
Search User | Page 1 Of 1 | Filters

<input type="checkbox"/>	Name ↑	User role	Mobile Number	Email	Location	License	Actions
<input type="checkbox"/>	Shamim Murad	ROLE_ADMIN	1711053147	admin@adpcbd.com	Rangpur	<input checked="" type="checkbox"/>	⋮
<input type="checkbox"/>	Abul Hasan	Manager - Field Oper...	1739300206	Hasan@adpcbd.com	Bangladesh	<input checked="" type="checkbox"/>	⋮
<input type="checkbox"/>	Aleya Khatun	Manager - Field Oper...	1715670494	hatun@adpcbd.com	Bangladesh	<input checked="" type="checkbox"/>	⋮
<input type="checkbox"/>	Amit	Manager - Field Oper...	1763026408	1763026408@adpcbd...	Bangladesh	<input checked="" type="checkbox"/>	⋮
<input type="checkbox"/>	Faiyead Ahmedul H...	Senior Manager - Co...	1713221155	faiyead.hye@cultive8...	Rangpur	<input checked="" type="checkbox"/>	⋮

Type here to search | Match | 11:12 25-07-2024

**Note: Total no.of farmers onboarded in Bangladesh is 4236. QC of the onboarded data is ongoing and expected to get complete by next week. After the complete QC process, data will be in sync in all the pages of the Dashboard.**

## Image Gallery:



## Glossary

<b>Project Title</b>	means	Exact and full name of the project as defined in the Sub Grant Agreement
<b>Project Code</b>	means	A five-digit code assigned by ADPC
<b>Partner Organization</b>	means	The lead agency(ies) responsible for the implementation of the project
<b>Key Achievements</b>	means	The actual outcome or impact of your work, such as reaching a PDO, or outcome or output defined in the final and agreed Results Framework.
<b>Implementation Progress</b>	means	Implementation progress means the steps or actions taken to achieve the PDO or outcomes or outputs. In this case it would be the list of activities defined in the final and approved work plan
<b>Challenges</b>	means	The most significant and persistent areas of risk that affect the project's ability to achieve its objectives. Challenges could be related to managing the Sub Grant, sustaining development gains, coordinating with stakeholders, and implementing core management functions. Please also discuss the solutions to mitigate these risks.

**Lessons Learned**

means

Lessons learned are contextual or operational information that may affect planning and future performance. They highlight the insights gained from the activity's implementation practices and progress, such as staff feedback, stakeholder interviews, data analysis, and success stories. They also include any changes required by or support requested from ADPC or partners.



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