

## iCARE Innovation Fund

Social Innovation Through Technology Nudging:  
Developing a Behavioral Toolkit for Diffusing Solar  
Irrigation

Monthly Progress Report

Reporting period: July 2024

Prepared by **Durham University**

# 1. Project Information

<b>Project Title:</b>	<b>Social Innovation Through Technology Nudging: Developing a Behavioral Toolkit for Diffusing Solar Irrigation</b>
<b>Project Code:</b>	WBCAR
<b>Partner Organisation:</b>	Curtin University Australia, University of Rajshahi Bangladesh, American International University-Bangladesh, Khulna University Bangladesh
<b>Reporting Period:</b>	1 July 2024- 31 July 2024
<b>Date of Submission:</b>	05 September 2024
<b>Contact Name:</b>	Dr Habib Rahman
<b>Contact Position:</b>	Project lead
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<b>Contact Telephone Number:</b>	+447440467648
<b>Status of project progress in this reporting period</b>	<input type="checkbox"/> Significant delay <input checked="" type="checkbox"/> Delay <input type="checkbox"/> On Track
<b>Report sign Off</b>	<input checked="" type="checkbox"/> I have reviewed all the information provided for each section including number of beneficiaries. The information provided for each section of the report is complete.  Name: Dr Habib Rahman Designation: Associate Professor, Durham University

## 2. Key Achievements

- Baseline survey of 1400 farmers in 28 project sites in Bangladesh is completed.
- The baseline survey data cleaning is in progress.
- Preparation (planning and official communications with the Ministry of Agriculture, Government of Bangladesh) for the ADOPT training is in progress.

### 3. Implementation Progress

Activity Title	Last Month Progress (June)	Current Month Progress (July)	Activities, and Events, planned for the subsequent month (August)
Activity 1.1: Inception Workshop (Nov-Dec 2023)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 1.2: Literature review (Jan-Feb 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 1.3: Brainstorming with local partners (Jan – Mar 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 1.4: Networking with Stakeholders (Feb-Mar 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 1.5: The ADOPT Training Manual development (Feb-Mar 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 2.1: Building research teams (Feb-Mar 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 2.2: Survey App & baseline questionnaire (Mar-April 2024)	<b>Completed</b>	<b>Completed</b>	N/A
Activity 2.3: Surveyors training (Mar-April 2024)	<b>Completed</b>	<b>Completed</b>	N/A

<p>Activity 2.4: Project site visits, farmer recruitment &amp; baseline survey (April-May 2024)</p>	<p><b>Completed:</b></p> <ul style="list-style-type: none"> <li>• Baseline survey of 1300 non-solar-farmers in 26 districts in Bangladesh</li> </ul>	<p><b>Completed:</b></p> <ul style="list-style-type: none"> <li>• The baseline survey of 1400 non-solar-farmers in 28 districts in Bangladesh</li> </ul>	<p>Baseline survey data cleaning and data analysis</p> <p>Note: The baseline survey is delayed due to extreme weather conditions and farmers' harvesting seasons in project sites.</p>
<p>Activity 2.5: Report on farmers' behavioural traits (June 2024)</p>	<p><b>N/A</b></p>	<p><b>In progress:</b></p> <ul style="list-style-type: none"> <li>• Baseline survey data cleaning</li> <li>• Preparation of data analysis</li> </ul>	<p>Baseline survey data cleaning, data analysis and report writing</p> <p>Note: Data cleaning and data analysis are delayed due to political crisis and network shutdown (July) in Bangladesh.</p>
<p>Activity 2.6: Case study preparations (June-July 2024)</p>	<p><b>N/A</b></p>	<p><b>In progress:</b></p> <p>Compilation of case studies</p>	<p>Compile and transcribe case studies collected during baseline survey, secondary document analysis of solar irrigation in Bangladesh</p> <p>Note: preparations are delayed due to a political crisis and network shutdown (July) in Bangladesh.</p>
<p>Activity 2.7: Farmers' ADOPT and placebo training (June-July 2024)</p>	<p><b>N/A</b></p>	<p><b>In progress:</b></p> <ul style="list-style-type: none"> <li>• Logistic preparations and communications with the ADOPT trainers</li> </ul>	<p>Complete preparations for the ADOPT and placebo training</p> <p>Note: preparations are delayed due to political crisis and network shutdown (July) in Bangladesh.</p>

## 4. Results Framework Indicators Progress

<b>PDO Indicator Description: Government agencies and Citizens who have access to climate-resilient solutions tested under the project (Number)-</b>				
	<b>Baseline</b>	<b>Actual (Previous)</b>	<b>Actual (Current)</b>	<b>End Target</b>
Value	No training, no training manual, and no evidence of farmers' behavioral traits	0	0	Government agencies: 3 Ministry of Agriculture, GoB Ministry of Power, energy and Mineral Resources, GoB Ministry of Environment, Forest and Climate Change, GoB Citizens: 1400 Non-solar using farmers
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments				
<b>Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)</b>				
Value	NA	0	0	NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments				
<b>Output Indicator Description: Number of people trained (online) (by sex, country, topic, year, participant category)</b>				
Value	NA	0	0	NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments				
<b>Output Indicator Description: Number of knowledge products provided</b>				

Value	NA			NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments	During the reporting month, we could not submit the baseline survey report (as planned) due to delayed completion of the baseline survey. The baseline survey is delayed due to extreme weather conditions and farmers' harvesting seasons in the project sites.			
<b>Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)</b>				
Value	NA	0	0	NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments	During the reporting month, we could not submit the baseline survey report (as planned) due to delayed completion of the baseline survey. The baseline survey is delayed due to extreme weather conditions and farmers' harvesting seasons in the project sites.			
<b>Output Indicator Description: Number of events supported</b>				
Value	NA	0	0	NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments	During the reporting month, we did not organize any event.			
<b>Output Indicator Description: Number of people participating in supported events</b>				
Value	NA	0	0	NA
Date		30 June 2024	31 July 2024	15 Jan 2025
Comments	During the reporting month, we did not organize any event.			

## **5. Challenges, Lessons Learned, and Way Forward**

During the reporting month, the team mainly faced local security and communication network challenges in completing the baseline survey data cleaning process and preparations for undertaking the ADOPT training in the project sites in Bangladesh. The country underwent a political emergency and internet shutdown/disruption for a couple of weeks in July 2024. The political coup and its aftermath disorder in the country continued till the third week of August 2024.

We tried to complete the baseline survey data cleaning and prepare the report in August 2024. However, our staff's security and safety issues remained until the third week of August. We completed the data cleaning process in the last week of August.

Two other challenges in the project sites to commence the ADOPT training were personnel changes in the Ministry of Agriculture, Government of Bangladesh, and flash floods in the country in August 2024. This disrupted the preparations for commencing the ADOPT training. However, we are networking with the local partners, and we expect to undertake the training in the last week of September and complete both the training and end-line survey in October-November 2024.



Annexure:



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