

## iCARE Innovation Fund

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

Monthly Progress Report

Reporting period: June 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 June 2024 – 30 June 2024
<b>Date of Submission:</b>	05 July 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

- The ADOPT training manual (the first milestone deliverable) is submitted.
- The baseline survey has been completed in 26 project sites (out of 28) in Bangladesh.
- Preparation (planning and official communications with the Ministry of Agriculture, Government of Bangladesh) for the ADOPT training is underway.

### 3. Implementation Progress

Activity Title	Last Month Progress (May)	Current Progress (June)	Month	Activities, and Events, planned for the subsequent month (July)
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> <ul style="list-style-type: none"> <li>• <b>The ADOPT Training Manual</b></li> </ul>	<b>Completed:</b> <b>The ADOPT Training Manual submission</b>  <b>In progress:</b> Translation of the ADOPT training manual in Bangla (mother language in Bangladesh)		Review of the translated document Note: This activity is delayed due to changes in study design, case study materials selection, and challenges in identifying local community trainers on the ADOPT manual. We submitted the deliverable in the first week of June 2024.
Activity 2.1: Building research teams (Feb-Mar 2024)	<b>Completed:</b> <ul style="list-style-type: none"> <li>• Understanding of surveyors on the ADOPT model</li> <li>• Training on sampling frame and logistics preparation</li> </ul>	<b>Completed</b>		Mentoring field supervisors for facilitating the ADOPT manual training

	<ul style="list-style-type: none"> <li>• mWater technical preparations on conducting survey</li> <li>• Primary discussions on networking and communicating with the ADOPT trainers</li> </ul>		
Activity 2.2: Survey App & baseline questionnaire (Mar-April 2024)	<b>Completed:</b> <ul style="list-style-type: none"> <li>• Pilot testing of the baseline survey questionnaire</li> </ul>	<b>Completed</b>	N/A
Activity 2.3: Surveyors training (Mar-April 2024)	<b>Completed:</b> <ul style="list-style-type: none"> <li>• Training of surveyors on the ADOPT model</li> <li>• Training (online and offline) on the baseline questionnaire</li> <li>• Training on sampling frame and logistics preparation</li> <li>• mWater technical training on conducting the survey</li> </ul>	<b>Completed:</b> <ul style="list-style-type: none"> <li>• Continuous monitoring of the baseline survey response collection by surveyors</li> <li>• Baseline survey quality control</li> </ul>	N/A
Activity 2.4: Project site visits, farmer recruitment & baseline survey (April-May 2024)	<b>Completed:</b> <ul style="list-style-type: none"> <li>• project site visits, sampling frame, farmers' recruitment in <b>28</b> districts in Bangladesh</li> </ul>	<b>Completed:</b> <ul style="list-style-type: none"> <li>• Baseline survey of 1300 non-solar-farmers in 26 districts in Bangladesh</li> </ul> <b>In-Progress:</b> <ul style="list-style-type: none"> <li>• The baseline survey of 100 non-solar-farmers in 2 districts in Bangladesh</li> </ul>	<p>Complete baseline survey of 1400 non-solar-farmers in Bangladesh</p> <p>Preparation of 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>
Activity 2.5: Report on farmers' behavioural traits (June 2024)	<b>N/A</b>	<b>In progress:</b> <p>Baseline survey of 1400 farmers in Bangladesh</p>	<p>Preparation of baseline survey data cleaning and data analysis</p> <p>Note: The baseline survey is delayed due to extreme</p>

			weather conditions and farmers' harvesting seasons in project sites.
Activity 2.6: Case study preparations (June-July 2024)	<b>N/A</b>	<b>In progress:</b>  Collection of case studies	Compile and transcribe case studies collected during baseline survey, secondary document analysis of solar irrigation in Bangladesh

## 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' behavioural 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		31 May 2024	30 June 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		31 May 2024	30 June 2024	15 Jan 2025
Comments	We completed all in person training of surveyors and field supervisors in May 2024.			
<b>Output Indicator Description: Number of people trained (online) (by sex, country, topic, year, participant category)</b>				
Value	NA	0	0	NA
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments	We completed all online training of surveyors and field supervisors in May 2024.			
<b>Output Indicator Description: Number of knowledge products provided- 1 (ONE) knowledge product (The ADOPT training manual)</b>				

Value	The ADOPT model			The ADOPT training manual
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments	The ADOPT training manual is submitted in the first week of June 2024.			
<b>Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)</b>				
Value	No knowledge product	0	0	The ADOPT training manual
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments	During the reporting month, we submitted the ADOPT training manual to ADPC.			
<b>Output Indicator Description: Number of events supported</b>				
Value	NA	0	0	NA
Date		31 May 2024	30 June 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- 50 (FIFTY) people participated in the policy engagement workshop organized in Bangladesh.</b>				
Value	NA	0	0	NA
Date		31 May 2024	30 June 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 faced a few challenges while conducting the baseline survey, e.g., extreme rainfall in Bangladesh and the unavailability of farmers due to their harvesting seasons. However, the surveyors' teams completed 1300 surveys (out of 1400). The rest of the surveys will be completed in the first week of July 2024. The next crucial task ahead is to commence the ADOPT training of farmers. Therefore the core team and local partners are officially coordinating and planning logistics with local agricultural extension offices, the Ministry of Agriculture, and local solar providers to pursue the activity of the ADOPT training.

Annexure:



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