

# iCARE Innovation Fund

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

Monthly Progress Report

Reporting period: March 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>	March 2024
<b>Date of Submission:</b>	03 April 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 type="checkbox"/> Delay <input checked="" 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

- Brainstorming of the team lead and co-lead with local partners, experts, advisors, and the recruited research assistants is complete.
- A qualitative review of government documents and relevant literature is complete.
- The project inception report is revised and accepted by ADPC.
- The draft version of the ADOPT training manual (the first milestone deliverable) is complete.
- Recruitment of surveyors is complete and their grooming is in progress.

### 3. Implementation Progress

Activity Title	Last Month Progress (February)	Current Month Progress (March)	Activities, and Events, planned for the subsequent month (April)
Activity 1.1: Inception workshop	<b>Revised and resubmitted</b> the Project Inception Report	The Project <i>Inception Report</i> has been <b>accepted</b> .	NA
Activity 1.2: Literature review	Content analysis of reports and qualitative review of literature is <b>in progress</b> .	Content analysis of reports and qualitative review of literature is <b>complete</b> .	Draft version of the systematic review of the literature
Activity 1.3: Brainstorming	Brainstorming with research assistants, subject specialists, methodology (Randomized Control Trial) experts, local partners, and policy advisors is <b>in progress</b> .	Brainstorming with research assistants, subject specialists, methodology (Randomized Control Trial) experts, local partners, and policy advisors is <b>complete</b> .	<ul style="list-style-type: none"> <li>• Discuss the draft version of the ADOPT training manual and finalize the manual</li> <li>• Discuss the sampling frame for the baseline survey, and analytical framework, and finalize survey implementation schedules</li> </ul>
Activity 1.4: Networking	Networking with end-users and other influential stakeholders is <b>in progress</b> .	Networking with end-users and other influential stakeholders is <b>complete</b> .	Prepare logistics for the baseline survey
Activity 1.5: The ADOPT Training Manual	ADOPT training manual preparation (the first milestone) is <b>in progress</b> .	The draft version of the ADOPT training manual preparation (the first milestone) is <b>complete</b> .	Finalize the ADOPT training manual and preparation for the submission of the deliverable
Activity 2.1: Building research teams	Recruitment of surveyors and selection of trainers on the ADOPT manual is <b>in progress</b> .	Recruitment of surveyors and selection of trainers on the ADOPT manual is <b>complete</b> .	Complete grooming surveyors, and training ( of surveyors) preparation for the baseline survey
Activity 2.2: Survey App &	NA	Preparation of the baseline survey	Finalize and pilot testing of the baseline survey questionnaire

Activity Title	Last Month Progress (February)	Current Month Progress (March)	Activities, and Events, planned for the subsequent month (April)
baseline questionnaire		questionnaire is in progress.	
Activity 2.3: Surveyors training	NA	Grooming the recruited surveyors is in progress.	Complete training surveyors on the baseline questionnaire

## 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)- 3 (THREE) Ministries of the Government of Bangladesh and non-solar-using farmers in Bangladesh</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			The ADOPT training manual is developed and tested. 1120 non-solar-using farmers received the ADOPT training and 280 farmers received a placebo training. One baseline survey and two end-line surveys are conducted.
Date			January 2025	
Comments	We intend to complete all project activities and then submit the final report in January 2025.			
<b>Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)</b>				
Value	NA			NA
Date				
Comments	During the reporting month, we did not give any in-person training.			
<b>Output Indicator Description: Number of people trained (online)- 30 (THIRTY) surveyors and 3 field supervisors from Bangladesh are recruited and are receiving online grooming on conducting field visits and preparing sampling frames.</b>				
Value	Recruitment of surveyors and field supervisors			30 surveyors and 3 field supervisors received online grooming.
Date		April 2024	April 2024	
Comments	We will complete the grooming of surveyors by the mid of April 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			April 2024	
Comments	We completed the draft version of the ADOPT manual in March 2024. We will finalize the document for submission (the first deliverable) by the end of April 2024.			
<b>Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)</b>				
Value	NA			NA
Date				
Comments	During the reporting month, we did not provide people/organizations with any knowledge product of this project.			
<b>Output Indicator Description: Number of events supported- 1 (ONE) policy engagement workshop is organized in Bangladesh.</b>				
Value	No policy engagement workshop			One policy engagement workshop is organized.
Date		February 2024	February 2024	
Comments	We submitted the project Inception Report in March 2024.			
<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	Planning a policy engagement workshop			Representatives from the ministries, local partners, subject specialists, and solar providers participated in the policy engagement workshop.
Date		February 2024	February 2024	

Comments	50 people participated in the policy engagement workshop organized in Dhaka, Bangladesh. They were the representatives of 3 Ministries of the government of Bangladesh, resource people from 5 public universities in Bangladesh, and representatives of solar providers in Bangladesh.
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## 5. Challenges, Lessons Learned, and Way Forward

During the reporting month, the core research team brainstormed with internal and external stakeholders (i.e., local partners and the Ministry of Agriculture, the Government of Bangladesh) regarding- i) the draft version of the ADOPT training manual, and ii) recruiting and grooming surveyors, and iii) identification and selection of the trainers on the ADOPT manual. For the recruitment and grooming of surveyors, we have coordinated with the local partners and their experienced survey teams. The crucial phase was drafting the ADOPT training contents, training approaches, and the selection of the trainers. We discussed with subject experts and methodology specialists and we have finalized the design of the ADOPT training manual including its contents, training delivery techniques, and training evaluation strategies.

For successful and timely completion of the baseline survey, the core research team has finalized training (of surveyors) and survey schedules. The training is planned in three separate sessions for the surveyors- i) one session with the core research team, ii) one session between the survey team and the corresponding local partner, and iii) one session with field supervisors and research assistants. We have also finalized a monitoring plan for local partners, their field supervisors, and survey teams for the sampling frame and farmers' recruitment for the baseline survey.



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