

iCARE Innovation Fund

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

Monthly Progress Report

Reporting period: May 2024

Prepared by [Durham University](#)

1. Project Information

Project Title:	Social Innovation Through Technology Nudging: Developing a Behavioral Toolkit for Diffusing Solar Irrigation
Project Code:	WBCAR
Partner Organisation:	Curtin University Australia, University of Rajshahi Bangladesh, American International University-Bangladesh, Khulna University Bangladesh
Reporting Period:	1 May 2024- 31 May 2024
Date of Submission:	05 June 2024
Contact Name:	Dr Habib Rahman
Contact Position:	Project lead
Contact Email Address:	habib.rahman@durham.ac.uk
Contact Telephone Number:	+447440467648
Status of project progress in this reporting period	<input type="checkbox"/> Significant delay <input checked="" type="checkbox"/> Delay <input type="checkbox"/> On Track
Report sign Off	<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 reviewed and the manual ready to submit.
- Training (the ADOPT model, conducting survey, logistics and technical preparations) on the baseline survey questionnaire is complete.
- The baseline survey has commenced.

3. Implementation Progress

Activity Title	Last Month Progress (April)	Current Progress (May)	Month	Activities, and Events, planned for the subsequent month (June)
Activity 1.1: Inception Workshop (Nov-Dec 2023)	Completed	Completed		N/A
Activity 1.2: Literature review (Jan-Feb 2024)	Completed	Completed		N/A
Activity 1.3: Brainstorming with local partners (Jan - Mar 2024)	Completed	Completed		N/A
Activity 1.4: Networking with Stakeholders (Feb-Mar 2024)	Completed	Completed		N/A
Activity 1.5: The ADOPT Training Manual development (Feb-Mar 2024)	<p>Completed:</p> <ul style="list-style-type: none"> ADOPT training manual document review (the first milestone) <p>In-Progress:</p> <ul style="list-style-type: none"> Final documentation of the ADOPT manual 	<p>Completed:</p> <p>The ADOPT Training Manual</p>		<p>Translation of the ADOPT training manual in Bangla (mother language in Bangladesh)</p> <p>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 will submit the deliverable in the first week of June 2024.</p>

Activity Title	Last Month Progress (April)	Current Progress (May)	Month Activities, and Events, planned for the subsequent month (June)
Activity 2.1: Building research teams (Feb-Mar 2024)	Completed: <ul style="list-style-type: none"> • Identification of trainers on the ADOPT manual In-Progress: <ul style="list-style-type: none"> • Training of surveyors 	Completed: <ul style="list-style-type: none"> • Understanding of surveyors on the ADOPT model • Training on sampling frame and logistics preparation • mWater technical preparations on conducting survey • Primary discussions on networking and communicating with the ADOPT trainers 	Networking and communications with potential local trainers for the ADOPT training intervention to be conducted in July-August 2024 (Note: This activity is delayed (we originally planned to complete it by July 2024) as we had to push the baseline survey a month due to heat wave in April until mid-May 2024)
Activity 2.2: Survey App & baseline questionnaire (Mar-April 2024)	Completed: <ul style="list-style-type: none"> • Baseline survey questionnaire 	Completed: <ul style="list-style-type: none"> • Pilot testing of the baseline survey questionnaire 	N/A
Activity 2.3: Surveyors training (Mar-April 2024)	Completed: <ul style="list-style-type: none"> • Preliminary discussion on the ADOPT and its study design In-Progress: <ul style="list-style-type: none"> • Online training (of surveyors) on the pilot test of baseline survey questionnaire 	Completed: <ul style="list-style-type: none"> • Training of surveyors on the ADOPT model • Training (online and offline) on the baseline questionnaire • Training on sampling frame and logistics preparation • mWater technical training on conducting survey 	Continuous monitoring of the baseline survey response collection by surveyors Baseline survey data quality control
Activity 2.4: Project site visits, farmer recruitment &	Completed: <ul style="list-style-type: none"> • Selection of the survey areas: 28 sub-districts 28 	Completed: <ul style="list-style-type: none"> • project site visits, sampling frame, farmers' recruitment 	Complete baseline survey of 1400 non-solar using farmers in Bangladesh

Activity Title	Last Month Progress (April)	Current Progress (May)	Month Activities, and Events, planned for the subsequent month (June)
baseline survey (April-May 2024)	districts in Bangladesh <ul style="list-style-type: none"> ● Initiating site visits In-Progress: <ul style="list-style-type: none"> ● Project site visits ● Sampling frame Baseline survey preparations	in 4 districts in Bangladesh In-Progress: <ul style="list-style-type: none"> ● The baseline survey of 1400 non-solar using farmers in Bangladesh 	

4. Results Framework Indicators Progress

PDO Indicator Description: Government agencies and Citizens who have access to climate-resilient solutions tested under the project (Number)-				
	Baseline	Actual (Previous)	Actual (Current)	End Target
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 Apr 2024	31 May 2024	15 Jan 2025
Comments				
Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	No training	0	0	Surveyors: 30 Field supervisors: 3
Date		30 April 2024	31 May 2024	15 Jan 2025
Comments				
Output Indicator Description: Number of people trained (online)- 30 (THIRTY) surveyors and 3 field supervisors from Bangladesh received online training on undertaking field visits, preparing sampling frames, understanding mWater survey App and conducting baseline survey.				
Value	No training			Surveyors: 30 Field supervisors: 3
Date		30 April 2024	31 May 2024	15 Jan 2025

Comments				
Output Indicator Description: Number of knowledge products provided- 1 (ONE) knowledge product (The ADOPT training manual)				
Value	The ADOPT model			The ADOPT training manual
Date		30 April 2024	31 May 2024	15 Jan 2025
Comments	The ADOPT training manual is complete and ready for submission as a deliverable. We will submit in the first week of June 2024.			
Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	NA	0	0	NA
Date		30 April 2024	31 May 2024	15 Jan 2025
Comments	During the reporting month, we did not provide people/organizations with any knowledge product of this project.			
Output Indicator Description: Number of events supported				
Value	NA	0	0	NA
Date		30 April 2024	31 May 2024	15 Jan 2025
Comments	During the reporting month, we did not organize any event.			
Output Indicator Description: Number of people participating in supported events- 50 (FIFTY) people participated in the policy engagement workshop organized in Bangladesh.				
Value	NA	0	0	NA
Date		30 April 2024	31 May 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 core research team completed the review of the final version of the ADOPT training manual. The ADOPT manual is ready for submission. We are preparing to translate the manual into the local language (i.e., Bangla) for better delivery by the trainers.

During the reporting month (until mid-May), the team faced the challenge of commencing the baseline survey, i.e., an ongoing heat wave in the project site- Bangladesh. Therefore, the tasks of completing in-person training and beginning the baseline survey (survey preparations include completion of the project site visit, sampling frame, and farmers' recruitment) have been moved considering the health risks of farmers, surveyors, and trainers. However, we have coordinated with local partners and they (each local partner university) completed one in-person training with their respective survey teams) and we conducted three online training sessions for conducting the baseline survey.

Annexure:

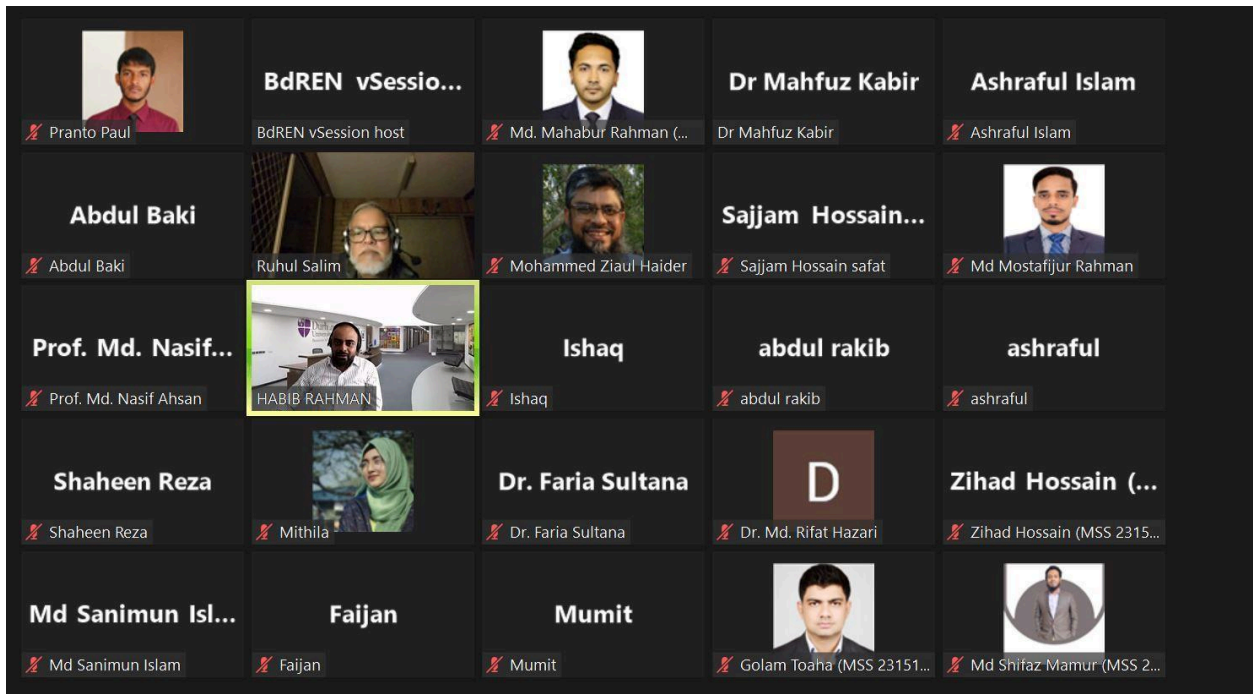


Fig 1 A snapshot of a training session on the baseline questionnaire.



Fig 2 A snapshot of baseline survey in Rajshahi, Bangladesh.



Asian Disaster Preparedness Center

SM Tower, 24th Floor, 979/66-70 Paholyothin Road,
Phayathai, Bangkok 10400 Thailand

Tel: +66 2 298 0681-92

Fax: +66 2 298 0012

Email: adpc@adpc.net



www.adpc.net



Asian Disaster Preparedness Center - ADPC



@ADPCnet



Asian Disaster Preparedness Center (ADPC)