

iCARE Innovation Fund

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

Monthly Progress Report

Reporting period: 15 Jan 2024 - 14 Feb 2024

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:	15 January 2024 - 14 February 2024
Date of Submission:	01 March 2024
Contact Name:	Dr Habib Rahman
Contact Position:	Project lead
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Status of project progress in this reporting period	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay <input checked="" 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

- Brainstorming of the team lead and co-lead with local partners, experts, advisors, and the recruited research assistants is in progress.
- A qualitative review of government documents and relevant literature is in progress.
- The project inception report is completed and submitted.
- The activity and monitoring plan for local partners has been finalized.
- The project timeline, invoice submission schedules, and work plans have been updated and submitted.
- The team organized a policy engagement workshop with local partners and influential end-users (i.e., ministries of the Government of Bangladesh) in Bangladesh.
- Preparation of the ADOPT training manual (the first milestone deliverable) is in progress.

3. Implementation Progress

Activity Title	Last Month Progress (January)	Current Month Progress (February)	Activities, and Events, planned for the subsequent month (March)
Activity 1.1: Project Inception Report	Drafted the Project Inception Report	Completed the Project <i>Inception Report</i>	Submission of an invoice
Activity 1.2: Policy Engagement Workshop	Planned a Policy Engagement Workshop	Completed a Policy Engagement Workshop	Collaboration for training farmers in the existing and new solar irrigation project locations in Bangladesh
Activity 2.1: Brainstorming	Brainstorming with research assistants, subject specialists, methodology (Randomized Control Trial) experts, local partners, and policy advisors is in progress.	Brainstorming with research assistants, subject specialists, methodology (Randomized Control Trial) experts, local partners, and policy advisors is in progress.	Discussions on the ADOPT training manual, sampling frame for baseline survey, analytical framework, project implementation schedules, and a detailed work plan for local partners
Activity 2.2: Networking	Networking with end-users and other influential stakeholders is in progress.	Networking with end-users and other influential stakeholders is in progress.	Collaborations for surveys and training interventions
Activity 3.1: Literature Review	Content analysis of reports and qualitative review of literature is in progress.	Content analysis of reports and qualitative review of literature is in progress.	Complete systematic reviews of reports and literature
Activity 3.2: The ADOPT Training Manual	ADOPT training manual preparation (the first milestone) is in progress.	ADOPT training manual preparation (the first milestone) is in progress.	Finalize the module templates for four nudging tools including training contents, approaches, and schedules
Activity 4.1: Recruitment	Recruitment of surveyors and selection of trainers is in progress.	Recruitment of surveyors and selection of trainers is in progress.	Finalize the recruitment and start grooming surveyors

4. Results Framework Indicators Progress

PDO Indicator Description: Development of the ADOPT training manual and baseline survey questionnaire				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	The ADOPT model concept	-	-	The ADOPT training manual
Date		31 Mar 2024	31 Mar 2024	
Comments	In February and March 2024, we will complete a systematic literature review and local networking for field observations. In this period, we will operationalize four nudging tools and finalize the training contents of the ADOPT manual by the end of March 2024.			
Outcome 1 Indicator Description: Farmers' behavioural traits influencing their decisions in adopting climate-smart technology are identified.				
Value	No evidence of farmers' behavioural traits			Evidence of farmers' behavioural traits
Date		May 2024	May 2024	
Comments	By the end of March 2024, we will develop the baseline questionnaire, and mid of April 2024, we will complete training surveyors on the questionnaire. The baseline survey of 1400 farmers will be completed by May 2024.			
Output 1 Indicator Description: A report on farmers' behavioural traits				
Value	No evidence of farmers' behavioural traits			Evidence of farmers' behavioural traits
Date		July 2024	July 2024	
Comments	We will analyse baseline survey data and prepare a report by the end of July 2024.			

4. Challenges, Lessons Learned, and Way Forward

During the reporting month, the core research team brainstormed in several sessions regarding i) the draft preparation of the ADOPT training manual, ii) the planning of the methodological approach (i.e., randomized control trial with the ADOPT training manual) and analytical framework, and iii) finalizing a thorough implementation plan and a coordinated work plan for local partners (for conducting surveys and training). The crucial phase is the preparation of the ADOPT training contents and training approaches. In this regard, we have been discussing with subject experts and methodology specialists to design the ADOPT training manual, its contents, training delivery techniques, and training evaluation strategies.

For the timely completion of this project, we have prepared a detailed work plan for each local partner. For rigorous monitoring during surveys and training interventions, we also formed a coordination team consisting of the core research team, the lead researcher, and two members of each local partner. This team is also assisting in the preparation of the ADOPT training manual.



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