

iCARE Innovation Fund

Heylhi 2.0

Monthly Progress Report

Reporting Period (06, 2024)

Prepared by: Shaadhoon Mohamed Haleem

1. Project Information

Project Title:	Heylhi 2.0
Project Code:	WBCAR
Partner Organisation:	Ministry of Climate Change, Environment, Energy, Dhiffushi Island Council, Vaikaradhoo Island Council, Water Solutions
Reporting Period:	1 June 2024 to 30 June 2024
Date of Submission:	05 th June, 2024
Contact Name:	Shaadhoon Mohamed Haleem
Contact Position:	Administrative Manager
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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	<p>X 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.</p> <p>Name: Mohamed Bunyameen Designation: Project Coordinator</p>

2. Key Achievements

During this reporting period, the following achievements were accomplished;

Field visit to K. Dhiffushi, 11th June 2024

Prepared and submitted the baseline report, 15th June 2024

3. Implementation Progress

Activity Title	Last Month Progress	Current Progress	Month	Activities, and Events, planned for the subsequent month
Activity 1.1.1: Redesign user interface (Dec 2023-May 2024)	Completed: • UI Testing finalized	Completed: Activity completed		-
Activity 1.1.2: Develop new features and back-end (Mar-May 2024)	Completed • 2 modules (vegetation removal and drone mapping) completed	Completed Activity completed		-
Activity 1.1.3: Make Heylhi app available on Android and iPhone (April-May 2024)	Completed • APK for Android available • Playstore publication of beta version • Web application completed (Annex 12) In-Progress: Apple store publication process in progress	In-Progress: Apple store publication process in progress Completed • APK for Android available		Complete Apple Store publication
Activity: 1.2.1: Survey new islands (drone mapping and shoreline to identify locations to put photo markers and prepare base map of islands (Jan-Mar 2024)	In-Progress: Dhiffushi baseline survey trip still delayed due to extreme weather events in the past month	Completed: • Dhiffushi baseline survey completed • Vaikaradhoo baselines survey completed		All planned baseline surveys completed, concluding this activity. Final marker points will be provided by MOCCEE / JICA on 03 rd July, 2024
Activity 1.2.2: Design and make upgraded data collection markers. (April-May 2024)	Completed: Redesigning of markers completed. In-Progress	In-Progress • Contractor has been finalized and waiting to receive final quantity from MOCCEE/ JICA to		-

	<ul style="list-style-type: none"> Identified contractor. Pending fabrications of the markers. 	complete fabrication works.	
Activity 1.2.3: Set up markers in the islands (May-June 2024)	In-Progress: <ul style="list-style-type: none"> Not yet started 	In-Progress: <ul style="list-style-type: none"> Not yet started 	Delay due to heavy rain and bad weather, setting back preceding activities. In addition, waiting for MOCCEE to provide final locations for marker points.
Activity 1.3.1: Train selected people from sites to collect data using Heylhi app (June 2024)	In-Progress: <ul style="list-style-type: none"> Not yet started 	In-Progress: <ul style="list-style-type: none"> Training materials are being developed 	Draft materials attached in annex
Activity 1.4.1: Ongoing data collection (July 2024- Jan 2025)	In-Progress: <ul style="list-style-type: none"> Not yet started 	In-Progress: <ul style="list-style-type: none"> Not yet started 	-
Activity 2.1.1: Identify possible outputs, who will benefit from these and how can they use the outputs - workshops with MECCT and stakeholders (Mar-April 2024)	Completed: <ul style="list-style-type: none"> End User Preliminary Report completed and submitted 	Completed Activity completed	-
Activity 2.1.2: Develop, optimize, and test Matlab/Python scripts to analyze data collected through the Heylhi app (July 2024 - Jan 2025)	In-Progress: <ul style="list-style-type: none"> Not yet started 	In-Progress: <ul style="list-style-type: none"> Not yet started 	-
Activity 2.1.3: Training to analyze data (June 2024)	In-Progress: <ul style="list-style-type: none"> Not yet started 	In-Progress: <ul style="list-style-type: none"> Not yet started 	Scheduled for June 2024. The activity can be started once the data is collected from Heylhi app.

Activity 2.1.4: Analyze data (July 2024 - Jan 2025)	In-Progress: ● Not yet started	In-Progress: ● Not yet started	-
Activity 2.2.1 Prepare outputs (knowledge product i.e., reports, trend graphs) (Dec 2023 – Jan 2025)	Completed: ● Citizen Science Coastal Consultant and End User Reporting Consultant has been engaged	In-Progress: ● Ongoing periodic meetings scheduled with the consultants to support project activities	-
Activity 2.3.1: Share outputs generated with project stakeholders (Jan 2025)	In-Progress: ● Not yet started	In-Progress: ● Not yet started	-
Activity 2.4.1: Present at conferences & publish papers (Jan 2025)	In-Progress: ● Not yet started	In-Progress: ● Not yet started	-
Activity 2.5.1: Share information about Heylhi to Government, Councils, resorts, research communities (Dec 2023 – Jan 2025)	In-Progress: ● In discussion with Ministry of Climate Change, Environment, and Energy (MOCCEE) to arrange workshop with their staff	In-Progress: ● MOCCEE has confirmed their availability to proceed with the workshop for their staff.	

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	0	0	0	Government agencies: 8 Citizens: 150
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Outcome 1 Indicator Description: Upscale existing mobile application and coastal erosion and flooding data is being collected				
Value	0	n/a	0	6
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 1.1 Indicator Description: Number of people access to Heylhi app				
Value	0	n/a	0	150
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 1.2 Indicator Description: Number of sites (islands) with access to data collection facilities				
Value	1	n/a	0	6
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 1.3 Indicator Description: Number of people trained				
Value	0	n/a	0	50
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 1.4 Indicator Description: Number of uploads/entries per month per island				
Value	0	n/a	0	10
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Outcome 2 Indicator Description: Capacity developed to analyse data in Maldives and government agencies, local councils, and citizens using outputs from Heylhi 2.0 data				
Value	0	n/a	0	6
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025

Comments				
Output 2.1 Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	n/a	0	20
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 2.2 Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value	0	n/a	2	5
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 2.3 Indicator Description: Number of people / organisations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	0	n/a	0	150
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 2.4 Indicator Description: Number of events supported (by type, year, theme, country)				
Value	0	0	1	3
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				
Output 2.5 Indicator Description: Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	0	0	38	80
Date	15 Dec 2023	30 Mar 2024	30 June 2024	15 Jan 2025
Comments				

5. Challenges, Lessons Learned and Way Forward

Challenges

Verifying of marker spots for the islands allocated by Ministry of Environment, Energy and Climate Change had been a challenge due to delay in confirmation of the final islands for **coastal protection projects**. However, a meeting has been scheduled for 3-Jul-2024 with the Ministry, along with to JICA to confirm the island sites for marker location.

Uploading the Heylhi 2.0 application on Apple Store has been a challenge as there are a lot of formalities required.

Lessons Learned

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Way Forward

Complete fabrication and set up markers. Trainings to be held in project islands for app use.

Annexures:

[Annex 1 - Baseline Survey Report.pdf](#)

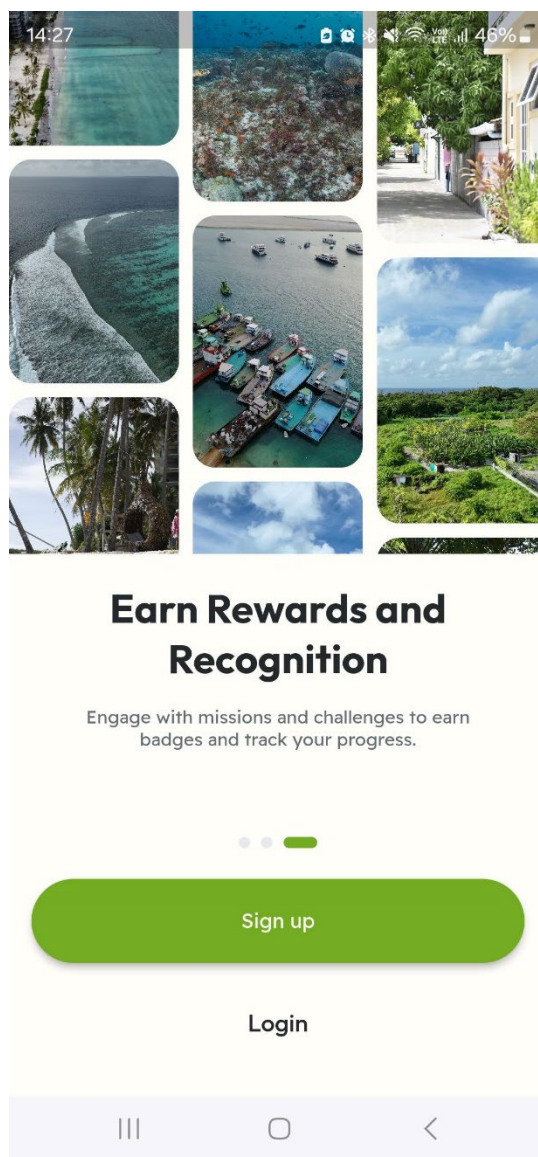
[Annex 2 - Screenshots from Android App Use.pdf](#)

[Annex 3 - Photos from Dhiffushi Field Visit.pdf](#)

[Annex 4 - Marker Draft Photos.pdf](#)

Annex 5 – Android APK Heylhi 2.0

<https://drive.google.com/file/d/1Oep8GQbGT8YHEtTjAiqvh7pCn9mg2TCT/view?usp=sharing>



Glossary

Project Title	means	Exact and full name of the project as defined in the Sub Grant Agreement
Project Code	means	A five-digit code assigned by ADPC
Partner Organization	means	The lead agency(ies) responsible for the implementation of the project
Key Achievements	means	The actual outcome or impact of your work, such as reaching a PDO, or outcome or output defined in the final and agreed Results Framework.
Implementation Progress	means	Implementation progress means the steps or actions taken to achieve the PDO or outcomes or outputs. In this case it would be the list of activities defined in the final and approved work plan
Challenges	means	The most significant and persistent areas of risk that affect the project's ability to achieve its objectives. Challenges could be related to managing the Sub Grant, sustaining development gains, coordinating with stakeholders, and implementing core management functions. Please also discuss the solutions to mitigate these risks.
Lessons Learned	means	Lessons learned are contextual or operational information that may affect planning and future performance. They highlight the insights gained from the activity's implementation practices and progress, such as staff feedback, stakeholder interviews, data analysis, and success stories. They also include any changes required by or support requested from ADPC or partners.



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