

iCARE Innovation Fund

Heylhi 2.0

Monthly Progress Report

Reporting Period (05, 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 May 2024 to 30 May 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;

Meeting to discuss agenda of Dhiffushi Field Trip, 14th May, 2024. (Annex 1)

Meeting with the Citizen Science Coastal Consultant, 20th May, 2024. (Annex 2,3)

Meeting to discuss Gamification of the Heylhi 2.0 app, 23rd May, 2024. (Annex 4,5)

Engagement with Citizen Science Coastal Consultant and End User Reporting Consultant. (Annex 6,7,8)

3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
1.1.1: Redesign user interface (Dec 2023-May 2024)	<p>Completed:</p> <ul style="list-style-type: none"> • Heylhi 2.0 app user interface completed for all 5 modules <p>In-Progress:</p> <p>Testing in progress to finalize User Interface</p>	<p>Completed:</p> <ul style="list-style-type: none"> • UI Testing finalized (Annex 11) 	-
1.1.2: Develop new features and back-end (Mar-May 2024)	<p>Completed</p> <ul style="list-style-type: none"> • 3 modules (Rooting for Raajje, erosion, and flooding) <p>In-Progress:</p> <ul style="list-style-type: none"> • 2 modules (vegetation removal, and drone images) 	<p>Completed</p> <ul style="list-style-type: none"> • 2 modules (vegetation removal and drone mapping) completed 	-
1.1.3: Make Heylhi app available on Android and iPhone (April-May 2024)	<p>In-Progress:</p> <ul style="list-style-type: none"> • APK for Android is being developed • Apple app store developer fees in progress 	<p>Completed</p> <ul style="list-style-type: none"> • APK for Android available • Playstore publication of beta version • Web application completed (Annex 12) <p>In-Progress:</p> <p>Apple store publication process in progress</p>	Complete Apple Store publication
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)	<p>In-Progress:</p> <ul style="list-style-type: none"> • In discussion with MOCCEE to schedule field visits with their work plan • Dhiffushi baseline survey trip planning 	<p>In-Progress:</p> <p>Dhiffushi baseline survey trip still delayed due to extreme weather events in the past month</p>	Visit K. Dhiffushi to finish the baseline survey works

1.2.2: Design and make upgraded data collection markers. (April-May 2024)	In-Progress: <ul style="list-style-type: none"> • Redesigning of Vaikaradhoo data collection markers is in progress • Dhiffushi baseline survey visit on May 2024 is currently being planned with the council, technical specialist and surveyor. 	Completed: Redesigning of markers completed. In-Progress Identified contractor. Pending fabrications of the markers.	Delay in conducting field surveys due to heavy rain and bad weather. Number of marker points had to be identified and confirmed during the field visits.
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.
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"> • Not yet started 	-
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)	In-progress: <ul style="list-style-type: none"> • End User Output Preliminary Report in progress 	Completed: <ul style="list-style-type: none"> • End User Output Preliminary Report completed and submitted (Annex 8) 	Workshop with MECCT and stakeholders completed in Jan 2024. End User Output Report (Preliminary) have been completed and will be used to complement in carrying out Activity 2.2.1 Prepare outputs.
Activity 2.1.2: Develop, optimize, and test Matlab/Python scripts to analyze data collected	In-Progress: <ul style="list-style-type: none"> • Not yet started 	In-Progress: <ul style="list-style-type: none"> • Not yet started 	-

through the Heylhi app (July 2024 - Jan 2025)			
Activity 2.1.3: Training to analyze data (June 2024)	In-Progress: ● Not yet started	In-Progress: ● 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 2.2.2 Prepare outputs (knowledge product i.e., reports, trend graphs) (Dec 2023 - Jan 2025)	In-Progress: ● Work in progress to create Baseline survey report for Dhiffushi.	Completed: ● Citizen Science Coastal Consultant and End User Reporting Consultant has been engaged	Outputs to be identified for all project islands
Activity 2.2.3: 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: ● In discussion with Ministry of Climate Change, Environment, and Energy (MOCCEE) to arrange workshop with their staff	Requested session from JICA and MOCCEE to take place

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	Citizens:1
Date	15 Dec 2023	30 Mar 2024	31 May 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	31 May 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	31 May 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	31 May 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	31 May 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	31 May 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	31 May 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	31 May 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	0	5
Date	15 Dec 2023	30 Mar 2024	31 May 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	31 May 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	31 May 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	31 May 2024	15 Jan 2025
Comments				

5. Challenges, Lessons Learned and Way Forward

Challenges

Due to heavy rain and bad weather, planned field trip to K. Dhiffushi had to be postponed until weather improves hence, causing the delay in baseline survey of the island. (Annex 9)

Unable to get in touch with JICA to confirm their engagement in a Heylhi 2.0 project

Lessons Learned

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Way Forward

Baseline survey visit to K. Dhiffushi

Annexures:

[Annex 1 - Minutes of Meeting for Dhiffushi Trip Brief.docx](#)

[Annex 2 - Minutes of Meeting with Citizen Science Coastal Consultant.docx](#)

[Annex 3 - Meeting with Citizen Science Coastal Consultant.jpg](#)

[Annex 4 - Minutes of Meeting for Gamification of the app.docx](#)

[Annex 5 - Gamification Meeting.jpg](#)

[Annex 6 - ToR for Citizen Science Coastal Consultant.docx](#)

[Annex 7 - ToR for End User Reporting Consultant.docx](#)

[Annex 8 - End User Output - Preliminary Report.docx](#)

[Annex 9 - Weather Reports of May.pdf](#)

[Annex 10 - Data Collection Marker Report.docx](#)

[Annex 11 - Heylhi 2.0 UI Updated.pdf](#)

Annex 12 – Heylhi 2.0 Webpage: <https://heylyhi.sigsmaldives.org/>

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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