

Heylhi 2.0

Heylhi, named after protective coastal vegetation, is a beta mobile app in the Maldives that uses citizen science to collect data on coastal erosion and flooding. Piloted in HDh. Vaikaradhoo, the project assessed erosion, mapped with drones, installed monitoring markers, and trained communities.

Heylhi 2.0 plans to upgrade and expand to another island. Challenges with data visualisation in ArcGIS will be tackled using platforms like SeaSketch. The mobile interface will be improved based on pilot feedback, and the SIGS team will be trained for data analysis.

Introduction

Improved application and bigger sample users through replication on another island. Challenges with data visualisation in ArcGIS will be addressed by exploring alternative platforms like SeaSketch.

1.

Redesigned user interface by incorporating feedback from initial pilot.

2.

SIGS team being trained for capacity building, data visualisation and analysis for planning and research purposes.

3.

Development and Implementation

Upgrading the application, and replicating it on another island.



User Interface for mobile will be redesigned based on the troubleshooting from the initial pilot.



Capacity building will be conducted for the SIGS team to carry out data visualisation and analysis.

Resolve issues in releasing the outputs from the application to ArcGIS platform to aid data visualisation and analysis efforts.



Deriving alternative methods, such as SeaSketch, for releasing the data outputs will also be explored.



Outputs can be used for planning and research purposes.

Expected Outcomes



Establish a mechanism of long-term data collection that will benefit the Government, local councils, and sectors such as Tourism, Coastal Infrastructure development, and National Planning and Guiding Investments for enhanced climate resilience.



To use collected data in generating maps and statistics, which will support both national and local development planning and further research efforts.



SIGS will be working with experts in data analysis to produce visual and tangible data that can enhance climate resilience in the Maldives.