# **ENDhERI Project Sensitization Report**

Year 1













Prepared by Enhancing National Development through Environmentally Resilient Islands (ENDhERI) Project for the Ministry of Environment, Climate Change and Technology

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### **ACRONYMS**

| ENDhERI | Enhancing National Development through Environmentally Resilient Islands |
|---------|--|
| EPA     | Environmental Protection Agency  |
| FPIC    | Fair and Prior Informed Consent  |
| GEF     | Global Environment Facility  |
| KAP     | Knowledge, Attitudes and Practices                                       |
| LUP     | Land Use Plan  |
| MECCT   | Ministry of Environment Climate Change and Technology                    |
| MMA     | Marine Managed Area  |
| NCA     | Natural Capital Accounting   |
| PA      | Protected Area   |
| UNEP    | United Nations Environment Program                                       |
| WDC     | Women's Development Committee  |

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# EXECUTIVE SUMMARY:

Enhancing National Development through Environmentally Resilient Islands (ENDhERI) project financed by Global Environment Facility (GEF) and assisted by United Nations Environment Program (UNEP), implemented by MECCT has a scope in supporting Laamu Atoll community members especially decision makers to have knowledge and understanding on natural resource conservation and management of ecosystems and its services.

The sensitization and awareness programs in the first year was conducted to strengthen the understanding and knowledge of stakeholders in Laamu Atoll on ecosystem conservation and management and was the first of a series of awareness and capacity building workshops planned by the ENDhERI Project.

Due to logistical difficulties presented by the global SARS-COV-19 pandemic, several visits to Laamu atoll by different members of the ENDhERI team had already been conducted for various consultation and surveying purposes before a proper sensitization tour could be arranged. A summary update of the project was nevertheless provided to the island councils and other stakeholders during these visits.

Project sensitization commenced with a meeting between ENDhERI, senior Ministry officials and Laamu Atoll Council in November 2021. Follow up sessions for all the islands took place from February to March 2022, where the ENDhERI team met with Island Councils, Women's Development Committees and the general community. WDC and Councils meetings were typically held combined. Attendance to the separately held community meetings varied greatly between islands.

Awareness sessions were later held for all the secondary level schools in Laamu, condensing the project information and giving additional focus to introducing students to the designation of environmentally protected areas and providing awareness content on water scarcity and waste management, two topics chosen based on the analysis of the KAP survey held in December 2021.

# 1 BACKGROUND:

Enhancing National Development through Environmentally Resilient Islands (ENDhERI) project financed by Global Environment Facility (GEF) and assisted by United Nations Environment Program (UNEP), implemented by MECCT has a scope of supporting capacity development of local councils and community on natural capital and management of natural resources of the Atoll. This project aims to assist the government of the Maldives in its implementation of new environmental policies and transition towards national adoption of Green Growth atoll development that will sustain marine NC and strengthen the resilience and recovery of reef ecosystems.

This will be informed by learning from atoll-wide integrated coastal zone management within a Managed Marine Area / Biosphere Reserve framework, and the application of innovative sustainability practices and standards in agriculture, fisheries, tourism and construction sectors as the basis for transforming the human ecological footprint in Laamu Atoll, and taking this up to national level through sector transformation, spatial planning and improved governance based on NC accounting. The intermediate objective of this transformation is to minimize the flows of pollutants from land-based activities into the adjacent marine environment, and reduce marine-based drivers of reef degradation including baitfish and reef fisheries.

Laamu Atoll consists of diverse ecosystems in pristine condition with minimum anthropogenic alterations to coastal ecosystems compared to most atolls of Maldives. Understanding the significance of conservation and sustainable management of the coral reef-atoll seascapes, ENDhERI project was formulated to enhance reef ecosystem integrity and resilience through sustainable management, reducing development impacts and integrating NC accounting into national planning.

All four components of the project involve awareness raising, communications and mainstreaming of marine NC and biodiversity into governance processes in order to address this barrier. In Component 1, the development of a Green Growth Strategy for Laamu Atoll building on the significant baseline provided by the One-UN LECReD Programme requires extensive socialization of the project aims and building understanding and buy-in from local stakeholders on Green Growth concepts for sustainable living. The development of the proposed MMA/Biosphere Reserve for Laamu Atoll also requires extensive socialization of the concept, detailed consultations on determining management zones and regulations including FPIC, and providing interpretation on the outstanding natural and cultural heritage values and sites of Laamu Atoll. Finally, the piloting of innovative sustainable sector practices in the field of agriculture, fisheries, tourism and construction in Laamu Atoll will

require strong communications, technical advice and education on issues such as the health and environmental hazards of unregulated agrochemical use, the ecosystem impacts of excessive bait and reef-fishing activities, the importance of educating tourists on codes of conduct for snorkeling and diving, and promoting responsible construction practices that minimize environmental impacts.

Communications Objectives of this project also require that key national and local partners, participating communities and private sector bodies are aware of the project objectives and activities and understand the value and benefit of mainstreaming biodiversity and marine NC in socio-economic and sector development.

An Environmental Knowledge, Attitude and Practices Survey (KAP) conducted in Laamu Atoll under ENDhERI project indicated only 11.33% of respondents are informed about ecological footprint and 37% of respondents are knowledgeable about climate change. The findings of the report indicated there is significant need for the local level awareness and capacity building on general ecosystems and NC of the atoll and the conservation and management of natural resources in Laamu Atoll.

Atoll and Island Councils and Women's Development Committees are the key stakeholders identified in the project document as having both high influence and high interest who are established in the project target atoll of Laamu.

All atoll councils are mandated to oversee administrative and development work and to coordinate and monitor the activities and functioning of the elected island councils. Island councils are mandated to prepare island development plans and has a management mandate of the island with women's development committee (WDC) advising on key women's issues. Island councils also allocate land and lagoon space of their island for use, including agriculture, residential, industrial and tourism use with the endorsement from MNPI, and endorses management plans for the island MMAs. Island council enact regulations for management of waste and municipal needs including levying fees.

The expected role for the councils in this project includes Capacity building of staff engaged in data collection and input for the NCA needs at the council secretariat.

Women's development committee (WDC) under the umbrella of the Island Council have mandate to advice on key women's issues. WDCs also engage in socio economic livelihood activities in islands and is a mobilizing force in sports and youth activities. The project suggests capacity building for women in livelihood activities and support and engagement including financial management training for WDCs involved in project programmes.

Aside from these stakeholders, targets for component 2 includes conducting a number of field

schools for students each year, and hence an introduction of the project goals and environmental concerns that affect the island needed to be provided to students beforehand.



# 2 AIM AND OBJECTIVE:

The aim of project sensitization meetings was to introduce the project to specific key stakeholders and beneficiaries of this project in Laamu atoll. Introduction of the project has previously been made only via the inception meeting held in June 2021 which included the project's co-financiers and partners including representatives from the atoll and island councils of Laamu. But due to travel restrictions imposed due to the global SARS-Cov 19 pandemic the meeting was held online.

Therefore proper in-person meetings were planned to provide the following information to stakeholders in the islands:

Local government and general community.

- Key project details including funding source, partners and expected duration.
- Summary of the four main components of the project.
- Timeline of key project milestones and update of the current work in progress.
- Key findings from the environmental KAP survey that was conducted in December 2021.

#### Students:

- Overall project information
- Summary of activities conducted
- Information and ecological significance of protected areas in Laamu
- Environmental awareness on topics of high concern as determined by the KAP survey



# TARGET GROUP

The initial project sensitization meetings were held separately with island councils, women's development committees and the general community in each island. This was followed by an atoll-wide round of sensitization targeting a number of students from grade 6 to 9 from all schools, ensuring gender parity in participation.

# 4

# PROJECT SENSITIZATION:

Project sensitization was commenced with a meeting held between ENDhERI and Laamu Atoll Council on 30<sup>th</sup> November 2021, at which Minister of State for Environment, Climate Change and Technology Dr. Abdulla Naseer introduced the project and elaborated on the project objectives.

Island specific sensitizations were later carried out in two segments, with the first taking place from 27<sup>th</sup> February to 2<sup>nd</sup> March 2022, covering the islands of Gan, Isdhoo, Kalaidhoo, Maabaidhoo and Mundoo. A session was also held in Gan targeting the tourism operators, including guest houses in Gan and Six Senses Laamu resort. During this visit the ENDhERI team also visited the waste management centers at Kalaidhoo and Maabaidhoo.

The second segment of the island stakeholder sensitization ran from 13<sup>th</sup> to 16<sup>th</sup> March 2022, and covered the islands of Fonadhoo, Maamendhoo, Hithadhoo, Kunahandhoo, Maavah and Dhanbidhoo. The team visited the waste management centers at Gan, Fonadhoo Hithadhoo, and Kunahandhoo. In Kunahandhoo the team also visited the sunset beach area of the island, "Valhaathere Kulhi" (Mangroves area), "Dherah-dheythere" area (an area that gets flooded at high tide and prevents passage across, also causing serious harm to the plant life) due to the environmental concerns at these sites.

#### The project team:

| Name          | Designation                        |
|---------------|------------------------------------|
| Mariyam Fazna | Project Manager                    |
| Mariyam Rifga | Community Co-Management Consultant |
| Ahmed Nadheem | Laamu Project Coordinator          |
| Ali Nizar     | Communication Specialist           |

The meetings covered information on project funding, partners and timelines as well introduction of the project team. An overview was also given on the project components, and updates were provided on the works that were ongoing and planned for the near-term. Key information from the baseline KAP survey on environmental awareness was also presented.

An island-wise summary of the meeting participation numbers including gender-disaggregated attendance and key points discussed are given on the following pages. Presentation slides used for council, WDC and community presentation is included as Annex 1 of this document.

#### Gan

| Island Council and W | /DC         |      | Date:  | 27 February 2022 |
|----------------------|-------------|------|--------|------------------|
|                      | Attendance: | Male | Female | Total            |
|                      |             | 6    | 6      | 12               |

#### **Notable Discussion points**

Enhancement of women's roles in small grants activity, and the need for improving communications network of the project.

| Community |             |      | Date:  | 27 February 2022 |
|-----------|-------------|------|--------|------------------|
|           | Attendance: | Male | Female | Total            |
|           |             | 0    | 3      | 3                |

#### **Notable Discussion points**

General discussion on environmental issues.

#### Isdhoo

| Island Council and W | DC          |      | Date:  | 28 February 2022 |
|----------------------|-------------|------|--------|------------------|
|                      | Attendance: | Male | Female | Total            |
|                      |             | 7    | 10     | 17               |

#### **Notable Discussion points**

Councils raised concern that NGOs were not very active in the island, and requested that councils be allowed to apply for the small grants directly.

Council also put forward the suggestion that Isdhoo Beys Kulhi be included in the areas to be designated as environmentally protected. ENDhERI project noted that the mangrove area of Isdhoo has been noted as ecologically significant and necessary steps would be taken through out the next quarter towards this goal.

| Community |             |      | Date:  | 27 February 2022 |
|-----------|-------------|------|--------|------------------|
|           | Attendance: | Male | Female | Total            |
|           |             | 7    | 15     | 22               |

#### **Notable Discussion points**

Community highlighted the importance of a project activity schedule being shared with the council. During the visit to Isdhoo, the project team also visited the sites of agricultural activity, Ihadhdhoo island site and the Isdhoo Beys Kulhi area.

#### Kalaidhoo

| Island Council and W | DC          |      | Date:  | 28 February 2022 |
|----------------------|-------------|------|--------|------------------|
|                      | Attendance: | Male | Female | Total            |
|                      |             | 4    | 9      | 13               |

#### **Notable Discussion points**

It was requested that the Ihadhdhoo island site be included to the list of protected areas. The council also raised concerns on diseases that were spreading on palm trees and taro plantations.

| Community |             |      | Date:  | 1 March 2022 |
|-----------|-------------|------|--------|--------------|
|           | Attendance: | Male | Female | Total        |
|           |             | 12   | 4      | 16           |

#### **Notable Discussion points**

Concern was raised about neglected remains from the failed sea cucumber project in the lagoon, and possible assistance on restoring the area. Concern was also raised that in projects, disproportionate amount of funds were often spend on salaries and transportation, instead of ways that benefit the community. It was also requested that all islands of the atoll be given equal opportunity when providing funds as well as involving the WDC in the small grants fund.

The team also visited Kalaidhoo Island Waste Management Centre with council members – witnessed the waste management process and condition of the site. Some machineries were grounded and some were in working condition. Overall, IWMC is in operation but requires few more machinery and assistance.

#### Maabaidhoo

| Island Council and W | DC          |      | Date:  | 1 March 2022 |
|----------------------|-------------|------|--------|--------------|
|                      | Attendance: | Male | Female | Total        |
|                      |             | 5    | 8      | 13           |

#### **Notable Discussion points**

Councils highlighted the need for assistance at an area of the island where eco-tourism is being developed and added that agriculture sector has been expanding in the island. Concern was also raised about a disease affecting coconut trees, need to conduct handicrafts training to WDC and also highlighted that as an occupation reef fishing and thatching has been increasing in the island.

| Community |             |      | Date:  | 1 March 2022 |
|-----------|-------------|------|--------|--------------|
|           | Attendance: | Male | Female | Total        |
|           |             | 9    | 5      | 14           |

#### **Notable Discussion points**

Community requested for an assistance for a machine to make fertilizers, urged to stop extraction of sand from lagoons and highlighted eco-tourism plans in the PA and requested for assistance.

The team also visited Maabaidhoo island waste management center and observed that waste was being disposed at the beach area .

| Mundoo                            |             |      |        |              |
|-----------------------------------|-------------|------|--------|--------------|
| Island Council, WDC and Community |             |      | Date:  | 1 March 2022 |
|                                   | Attendance: | Male | Female | Total        |
|                                   |             | 1    | 12     | 13           |

#### **Notable Discussion points**

Community suggested to involve motivated people in the project programs, highlighted importance of using the actual name of PAs to retain history and culture of those areas. Sewing courses could help women community in the island, thatching is one of the occupations in the island, reef fishing has also is increasing in the island as source of income. Women are found engaged in works like collecting coconuts and tropical almonds and selling them, handicraft works using shells, coconut leaves and sewing souvenir bags. Also, home garden is expanding and finance on a pilot farm land for WDC is very essential.

| <b>Resorts and Guesthouses</b> |             | _    |        |              |
|--------------------------------|-------------|------|--------|--------------|
| Six Senses Laamu               |             |      | Date:  | 1 March 2022 |
| Ihaa Guest House               |             |      |        |              |
| Vilares Guest House            |             |      |        |              |
|                                | Attendance: | Male | Female | Total        |
|                                |             | 2    | 0      | 2            |

#### **Notable Discussion points**

Six Sense Laamu raised importance of improving coordination with project to work on aligning goals, clarified how much project could assist with the resort project on keeping rangers at Gaadhoo turtle nesting site, added the importance of training human capital on how to utilize waste generated in the island for economic gain, highlighted importance of making students familiar with beach activities and urged to increase human talent for hospitality industry in the atoll.

Both guesthouses highlighted that waste management in Gan island is not environment friendly and need urgent attention. Need to make fertilizers and recycle waste and dump remaining waste in the most efficient way. Highlighted PAs to have good branding to assure successful promotion and economical gain to hospitality industry and to the community.

#### Fonadhoo

| Island Council and WDC |             |      | Date:  | 13 March 2022 |
|------------------------|-------------|------|--------|---------------|
|                        | Attendance: | Male | Female | Total         |
|                        |             | 6    | 10     | 16            |

#### **Notable Discussion points**

Council highlighted that most citizen are involved in desk jobs, but agriculture work and reef fishing has been increasing in the island.

WDC plans to conduct home gardening training sessions. At the moment few women doing it and many are engaged with selling home-made products like short eats, plants, etc. However, market is only within the island so its very limited. Further, WDC plans to plant flower trees at the dividers on the road.

Project team answered that trainings could be held for home gardening like vertical gardening and aquaponics. Also, small grants will be opened for all islands for which WDCs would also be eligible. Further, discussion shall be held with the agriculture department of MoFMRA about the plan to plant flower trees at road dividers.

| Community   |      | Date:  | 13 March 2022 |
|-------------|------|--------|---------------|
| Attendance: | Male | Female | Total         |
|             | 2    | 0      | 2             |

#### **Notable Discussion points**

General discussions regarding the project.

#### Maamendhoo

| Island Council and WDC |             |      | Date:  | 14 March 2022 |
|------------------------|-------------|------|--------|---------------|
|                        | Attendance: | Male | Female | Total         |
|                        |             | 5    | 5      | 10            |

#### **Notable Discussion points**

Council highlighted that the island mainly depend on fisheries and main difficulty is getting ice. Sessions for best practices on waste management for fishermen could be good to conduct in the island. School has interest for small grant assistance. Waste is not managed efficiently due to vehicle breakdown and some machineries hve been grounded. Kitchen waste presently disposed at the beach. Taking waste to Thilafushi is an expensive process due to fees collected at Thilafushi. Project team highlighted that small grant work is ongoing and will be announced for proposal soon. Other highlighted areas would be discussed with related departments in the ministry.

| Community |             |      | Date:  | 13 March 2022 |
|-----------|-------------|------|--------|---------------|
|           | Attendance: | Male | Female | Total         |
|           |             | 0    | 0      | 0             |

#### **Notable Discussion points**

No attendance.

#### Hithadhoo

| Island Council and WDC |             |      | Date:  | 14 March 2022 |
|------------------------|-------------|------|--------|---------------|
|                        | Attendance: | Male | Female | Total         |
|                        |             | 8    | 7      | 15            |

#### **Notable Discussion points**

Council stated that their main focus is on island waste management. Also added that they recommend to provide small grant to councils directly. Project team replied that assistance in waste management could be an area to focus on and that WDCs are eligible for this first round of small grants, thereby involving the council.

WDC highlighted that women sell home-made products and also many women do thatch work. Assistance is also needed in regards to the best practices of farming as many women in the island works in agriculture.

Council mentioned to have signboards fixed near PA to inform the public. Project team replied that the work is ongoing.

| Community |             |      | Date:  | 14 March 2022 |
|-----------|-------------|------|--------|---------------|
|           | Attendance: | Male | Female | Total         |
|           |             | 10   | 2      | 12            |

#### **Notable Discussion points**

Community clarified whether project aims to assist schools at school events related to environment. The team replied yes and planning is ongoing to do school sessions next month.

Community raised question about the duration of the project, which the team clarified as ending on September 2024.

Council needs assistance to buy machinery to make fertilizers using the coconut husk.

Project team visited Hithadhoo Island Waste Management Centre with council members – observed the waste management process and condition of the site. Some machinery were grounded and some were in working condition. Overall, IWMC is in operation but requires few more in equipment and assistance.

#### Kunahandhoo

| Island Council and WDC |             |      | Date:  | 15 March 2022 |
|------------------------|-------------|------|--------|---------------|
|                        | Attendance: | Male | Female | Total         |
|                        |             | 5    | 9      | 14            |

#### **Notable Discussion points**

Council mentioned that island has a wetland area and plants like "Randoo / Red mangrove" grows there and mud crab and other marine organisms have also been observed, so council has an interest to conserve the area. Island depends very much on agriculture now, so needs assistance for relevant training sessions. At the moment there is no market for agriculture products made in the island. Fishing and thatching are also an income source in the island.

At waste management center, many machinery are grounded so waste is not managed well. Food waste is disposed at the beach. Training on making fertilizers from waste is also very important. Further, island has many coconut trees which need to be cut and council plan to re-plant coconut trees. Island erosion and coastal inundation has been very critical in the island. Question was also asked whether project has plans to help schools in any way. Project team answered that agriculture training and compost training could be an area project could work on, council needs permits and to follow EPA guidelines regarding coconut trees. Also, project will have sessions for schools in coming days.

| Community |             |      | Date:  | 13 March 2022 |
|-----------|-------------|------|--------|---------------|
|           | Attendance: | Male | Female | Total         |
|           |             | 10   | 6      | 16            |

#### **Notable Discussion points**

Community raised concern that waste is not managed in the island. Discussions and meetings have taken place but action has been lacking.

Community needs awareness sessions and training about waste management and making compost (kaadhu). Also, hydroponics training would be very helpful for youths in the island. Project team replied that project will coordinate with related parties to discuss the training.

Project team visited and observed some environmentally critical areas in the island: the sunset beach area of the island, "Valhaathere Kulhi" (Mangroves area), "Dherah-dheythere" area (the area is flooded in hightide preventing travel on foot and also causing great harm to vegetation) and the Island Waste management Center.

|  |  | VZ |  |
|--|--|----|--|
|  |  |    |  |
|  |  |    |  |

| Island Council and WDC |             |      | Date:  | 15 March 2022 |
|------------------------|-------------|------|--------|---------------|
|                        | Attendance: | Male | Female | Total         |
|                        |             | 6    | 7      | 13            |

#### **Notable Discussion points**

Council highlighted that island's main income source is via fisheries but agriculture industry is also expanding. Main environmental concern is that the wet-land has been lost due to dumping wastes and growing agriculture products over there. So, council would like to restore the wetland area. Further wastes are not managed well due to machineries break-down and some machineries couldn't be run due to operational challenges. Also, there was huge delay in starting waste program in the island and it caused many disturbances to council plans. Council has sent report to ministry about waste management, but there has not been a response for a very long period. Project team responded that discussion shall be done with ministry related teams about the concerns. Also, Small Grant will help to solve many environmental issues highlighted by council.

| Community |             |      | Date:  | 15 March 2022 |
|-----------|-------------|------|--------|---------------|
|           | Attendance: | Male | Female | Total         |
|           |             | 9    | 7      | 16            |

#### **Notable Discussion points**

Community highlighted the importance of work project team doing for the awareness of community for environmentally friendly practices. Also added that using sand and aggregate from beaches couldn't be stopped due to its vital need in the construction industry.

Project team answered that the guidelines must be followed for all environmental practices. Community clarified whether it will benefit schools from the project. Team replied that school related activities will be started soon and school will benefit very much. Community also stated that Maavah "Kandu-olhi" is a dolphin spot and very potential tourist attraction. That area could be a significant area to declare as PA. Also council president stated that council would like to restore the island "kilaagandu" area and they have allocated budget for it too.

The community supports for it and "kilaagandu" represents whole island meaning, so they would prefer to restore the area via the fund from project. Project team added that council could suggest new Pas to ministry for declaration. Also restoring environmentally significant area like "Kilaagandu" could be done via the project small grant assistance. Project team also added that project aims to provide environmental educational opportunities in collaboration with educational institutes. Aim is to have educational people in the Atoll. Community supported the idea and requested equal opportunity to be given to all islands across the Atoll.

#### Dhanbidhoo

| Island Council and W | 'DC |      | Date:  | 16 March 2022 |
|----------------------|-----|------|--------|---------------|
| Attendance:          |     | Male | Female | Total         |
|                      |     | 5    | 2      | 7             |

#### **Notable Discussion points**

Council mentioned that island now depends on income generating from agriculture, thatching and fishing. However, the market for agriculture is not there in the island and selling to other islands is difficult due to logistic issues. Also, fishing has been declining with only 1 fishing vessel now. Agriculture products like cucumber, chilly, pumpkin, watermelon, yam, etc are grown in the island. Also, island has very historical and heritage places, so raised question whether that be protected via the project. Team replied that project is environmental related project so for mentioned request council can channel with the heritage ministry.

Council added that they require helps in hydroponic farming and assistance with solar installation for the road lights. Council also added that handicraft workshop for women would be very helpful to the community. Team replied that assistance for hydroponic could be looked from project, but solar is not an area covered in the project. Further, council raised the concern that erosion is very critical in the island at the moment.

| Community   |  |      | Date:  | 15 March 2022 |
|-------------|--|------|--------|---------------|
| Attendance: |  | Male | Female | Total         |
|             |  | 6    | 1      | 7             |

#### **Notable Discussion points**

Community raised concern of island not having a waste management centre and all wastes are dumped across the island in very inefficient and unhygienic ways. Team replied that Dhanbidhoo has been decided by ministry to get an island waste management center very soon and that would enable proper management of the wastes. Community highlighted that the sea cucumber project carried before turned out to be a huge failure with lot of concerns for citizen. Also, still the iron bar cages are there without been removed. This leads to the pollution of area and very critical to marine life living there. Project team replied that restoration is included in the project and this could be looked into.

































# 5

# STUDENT AWARENESS:

Up to 35 students from grade 6 to grade 9 were selected to attend the session from each school with the final number depending on the student population. Students from grade 10 were not included as the schedule overlapped with GCE O Level examinations revisions.

The information was presented via power point slides and included group activities and a question and answer session.

- Project introduction, including funding agency and duration.
- Project team.
- Main components including summary of activities conducted and planned for the near term.
- Project target areas including: waste, fisheries, environmental protection, human resource building, agriculture, tourism, natural capital accounting.
- Protected areas in Laamu, their ecological significance and the rationale behind assigning environmentally protected status.
- What activities are allowed or prohibited at the protected areas.
- What students can do to increase environmental awareness.
- Issues of waste management and proposed solutions.
- Issues of fresh water accessibility and how bottled water contributes to pollution.
- A definition of sustainable development.

Students mostly demonstrated a high level of interest in the subjects presented, had awareness of the biggest environmental issues but often understated the severity of the problems and had relatively low level of knowledge on the environmental and ecological aspects of Laamu atoll, including environmentally protected areas, with few students from other islands having visited the areas.

A compilation of the most frequently posed questions during these sessions is listed below:

- 1. Duration of the project?
- 2. Why it is implementing at Laamu Atoll?
- 3. What is the role of students in the project?
- 4. Which places will be protected in the future?
- 5. Why environment need to be protected?
- 6. How ENDhERI project was formed?
- 7. How corals are going to grow again?

- 8. What are the main purposes of involving students in this project?
- 9. Turtles and its importance to the environment.
- 10. How can school students benefit from project?
- 11. What is importance of water and how scarce water is today?
- 12. What will be ultimate goals of project during the 5 years?
- 13. Why plastic is harmful?
- 14. Duration of wastes getting decomposed?
- 15. How tourism sector helps with the environment protection?
- 16. How waste can be managed well?
- 17. Why Hithadhoo Kandu is so important for environment.
- 18. How can the water layer in the island can be maintained?
- 19. What will be the uses of the mangroves in the island kulhi area?
- 20. What is the plan to increase awareness among the island people?
- 21. What is importance of the "kilaagandu" in the island?
- 22. Can the sea next to Maavah be protected, special dolphins are seen from there?
- 23. How can island benefit from having protected areas?
- 24. Why project is only for a few years?
- 25. What is "GEF"?

The presentation used for student awareness is included as Annex 2 of this document.



### Ihadhdhoo School

|        |      | Date:  | 18 April 2022 |
|--------|------|--------|---------------|
| Grade: | Male | Female | Total         |
| 6      | 0    | 3      | 3             |
| 7      | 1    | 2      | 2             |
| 8      | 7    | 7      | 14            |
| 9      | 2    | 8      | 10            |
| Total  | 10   | 19     | 29            |

#### Gan

| Hamad Khalifa Al-Kha | ani School |      | Date:  | 18 April 2022 |
|----------------------|------------|------|--------|---------------|
|                      | Grade:     | Male | Female | Total         |
|                      | 7          | 4    | 4      | 8             |
|                      | 8          | 5    | 5      | 10            |
|                      | 9          | 2    | 11     | 13            |
|                      | Total      | 11   | 20     | 31            |

#### Fonadhoo

| Laamu Atoll Education Center |        |      | Date:  | 16 March 2022 |  |
|------------------------------|--------|------|--------|---------------|--|
|                              | Grade: | Male | Female | Total         |  |
|                              | 7      | 2    | 8      | 10            |  |
|                              | 8      | 3    | 7      | 10            |  |
|                              | 9      | 3    | 8      | 11            |  |
|                              | Total  | 8    | 23     | 31            |  |

#### Kalaidhoo

| Raidialioo              |        |      |        |             |
|-------------------------|--------|------|--------|-------------|
| Isdhoo Kalaidhoo School |        |      | Date:  | 15 May 2022 |
|                         | Grade: | Male | Female | Total       |
|                         | 6      | 0    | 6      | 6           |
|                         | 7      | 1    | 5      | 6           |
|                         | 8      | 6    | 1      | 7           |
|                         | 9      | 5    | 7      | 12          |
|                         | Total  | 12   | 19     | 31          |

| Isdhoo School |        |      | Date:  | 15 May 2022 |
|---------------|--------|------|--------|-------------|
|               | Grade: | Male | Female | Total       |
|               | 6      | 0    | 4      | 4           |
|               | 7      | 2    | 5      | 7           |
|               | 8      | 5    | 1      | 6           |
|               | 9      | 5    | 8      | 13          |
|               | Total  | 12   | 18     | 30          |

| D | ha | ın | b | i | d | h | O | O |
|---|----|----|---|---|---|---|---|---|
|   |    |    |   |   |   |   |   |   |

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|--------|------|--------|-----|----|------|
| וט     | nani | OKOL   | поо | SU | hool |
|        |      |        |     |    |      |

|        |      | Date:  | 16 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 6      | 5    | 2      | 7           |
| 7      | 4    | 7      | 11          |
| 8      | 9    | 3      | 12          |
| 9      | 0    | 5      | 5           |
| Total  | 12   | 18     | 35          |

#### Maabaidhoo

Laamu Atoll School

|        |      | Date:  | 16 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 7      | 9    | 3      | 12          |
| 8      | 6    | 12     | 18          |
| 9      | 5    | 7      | 12          |
| Total  | 20   | 22     | 42          |

### Mundoo

Mundoo School

|        |      | Date:  | 16 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 5      | 1    | 1      | 2           |
| 7      | 2    | 1      | 3           |
| 8      | 2    | 0      | 2           |
| 9      | 2    | 0      | 2           |
| 10     | 1    | 0      | 1           |
| Total  | 8    | 2      | 10          |

Maamendho

Maamendhoo School

| l      |      | Date:  | 18 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 7      | 10   | 11     | 21          |
| 9      | 6    | 3      | 9           |
| Total  | 16   | 14     | 30          |

Hithadhoo

Hithadhoo School

|        |      | Date:  | 18 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 8      | 1    | 8      | 9           |
| Total  | 1    | 8      | 9           |

Kunahandhoo

Kunahandhoo School

| l      |      | Date:  | 19 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 6      | 5    | 3      | 8           |
| 7      | 6    | 5      | 11          |
| 8      | 4    | 7      | 11          |
| 9      | 6    | 2      | 8           |
| Total  | 21   | 17     | 38          |

Maavah

Maavah School

|        |      | Date:  | 19 May 2022 |
|--------|------|--------|-------------|
| Grade: | Male | Female | Total       |
| 7      | 11   | 13     | 24          |
| Total  | 11   | 13     | 24          |





## **ANNEX 1: Sensitization Presentation**





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|---|--|
| : צ'ילית ה' ה' ה' ה' ה'   | الْهُ الْهُ اللَّهُ عَلَى مُنْ اللَّهُ اللَّاللَّا اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّهُ الللَّهُ ال |
| عُرْمُ وَ مِعْ مُرْمُدُ عِ مِرْمُرُمُ عِنْ الْمُرْمُدُ عِنْ مُرْمُدُ عِنْ مُرْمُرُمُ مُرْمُرُمُ مُرْمُرُمُ مُ | בַתְרַיּפֶּץ הצ התפות את המיפור אל הליבים אמת ב התו בי שית ביש   |
| ا قُرُمُومُ 4   | 2021 - 2024  |

### 1 /2

و هرور بودرهزد مودوره براها من الله و به الله و ال

<sup>1- 222</sup> d.j. 1882 - 223 d.j. 1892 j. 1892 j. 1893 j. 1894 j. 18

<sup>2</sup> על השלל לקנה תייקסקטין יויי קופטן, המייקקלל בעל להינות קי יוינהלקטי קלייטונפט קלייטוק בייני יוינהלקטי קייני הקקטיי בייל קייל הייל קייל לקני נופר יילי היין בקנו לול היינות ולקטיל, לקני דיקניל אייליי בולוגים היינולים

<sup>3:</sup> وکور کورو کارورون میدود و ۱۳۵۰ کارورو و ۱۳۵۰ کی در در در بردهای در در در برده کارورو کارور کارو در در در در برده کارورو و میدورود کارورون کارور

ې نوره ماولانو ستېملامنو ولايغ و ښومه ميميدي لاغول لاموين شو پوځ شو د رورونان ده لاړ و دوم يا ده و دوه

<sup>6</sup> و سيد برديد معد بدر وو مر دربدو وورد بريد بريدو ودود ودود ودو درد ودويده

### مُؤْرِّ بِرِيْرِ مُرْبِرِ وْ

#### ציילית ה'בק ב"ק ה'ק

1. سيني المراجب المري الإنواز (وسافرس) ويروش المواقري المواقرين ويروزن) ؛ ويُؤود والتنافرين والمؤود والواز المؤود المؤود

2 ב'תר לקמר בא הרוכם לבינופט ביל מצוב בילתים בילתור ביל הבקור הרובה הן פל כל הרובה באינו הרובה בא הרובה בא

3,248 9569 4,568 4,568 4,568 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,5 3,568 5,5668 5,566 5,566 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4,569 4

2 /6

ל לב השלב מתתפתב בקבה של פנה של של העל בהלבשה פשימישה ביוציקבישיה של בהל העצים ביו ביונים ביו שונה ביונים ביו

2 وقد مهودي هر ميمانيد وهود و دودو مينو ودوي ميند و دويون ميمانيد ودويون باز در در ميمانون و دويو باز دو ميند منتود وخر در ودودو دهود ودودو ديو بر در نده ندورو

3 وَ3 مَعَدَدُهُ وَمِنْ وَسُوْعَ الْمِنْدُ وَمِنْ وَوَدَوْهُ وَدَ مِعْوَدُ وَمِنْ مِنْ سَوْمِ مِرْسَدُ سَرَاءَوْمِنَا فِي وَمِنْهُ مَا مِنْ عَلَيْهُ مَامِنَا وَمِنْ مِنْ مَامِعُ وَمِنْ مِنْ مَامِعُونُ مِنْ مَامِعُونُ وَمِنْ مِنْ مُؤْمِدُ وَمِنْ مُوافِقُونُ وَمِنْ مُعْمِدُ وَمِنْ مِنْ مُؤْمِدُ وَمِنْ مِنْ مُؤْمِدُ وَمِنْ مِنْ مُؤْمِدُ مُنْ مُعْمِدُ

4 כ בישינה הפג ניקפות התהמנובת קנדימוב השק קבתימונב בישיר המבינובית את הפגה לבינהשיקפ במובת ב-המיקימוב שנבים נו פגר מהחניני 4 כ בישינה הפג ניקפות התהמנובת קנדימוב השק קבתימונב בישיר המבינוביתשית מפשבת בנובית בישובת בישובים נו פגר מהחניני

5. چېرستاني وژ کېوله ښېر وژ مهوژ سانونيان وژوړو کېروژې لوروژې وروهن کوروژې ولاورژې کېروژې کېروژوې پروژوې کې د پاروژوروژي شانوروژي شاورو چېروژ ولارو و بروژو کېروژوروژي پروژوروژي کې دروژوروژي

## 3 %

- - 010 0140 11411 1201 1001X0 PAT 1980 1299 1201 1201 1801X0 -

#### מאססט ניסיות בנסר וויות הסיבים געשעש ב ב-המעפר בעמרע בנמשמר שחבק מש

- מצופס) ג'יסיסים בנית ל מלים "מונים במונים במו - במשישו ב-המשפטת בלית לא במונים שתבתפתים שפי במשישו למשפת תובבת תב לבתי
- ד. הצבי הרת הפלית בצים האלפית בתרכת הפלסא 2021 בת בלקל סתקלפת הפל ההת הרת החבר החתר בת החבר החפת
  - מתר מדעת פעפעת שתממעת במביסט בנונים במתר בינת בינת ( בסימת ב 27 מ באל 3 התי
    - מיתל אילעית פעפעית אַתאַתאמע גָאבּששׁ בתהלכה בנים ביני פגל ( באל 13 מ 17 הת)

## פר הפלצה הלתפטעלת שתבות בנה של המוחל בני ביים בל בל הפלצה בל המוחם ב

- ירישוני יום יורס יורים איסירוים יולי אינינים אינינים אינינים אינים אי

  - - ני המצית 6 שאנתבר 23 בשלפשא 2021 צר הפרומים

- و صنورس سنوی وسندس و منوی و 2021 میر 11 باشوی که 2021 میر و منوی که تاکی میروش
- ים יי סצוסס זוסף כ יצב יס כסוב יכנפף זוכנט ס כסיף ייבים וזיבל סצוסס ט ב יפו סי זו יינים יובים - כביייקש קצבש קייבית של כל יינים ייובים כביייקש קייבית אייבית של היינים ייובים יינים י
  - ים אראל אל העל האים באת האים באל באל - אל באל באל האיל האים באל האים באל האים באל האים באל האים באל האים באל

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- - ئىرى ئى دۇرى ئىرى ئى ئىرىن دىلىدى بىرد بىرى دۇرىردى دىلىرى دى دۇرىد

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- - وَ وَسُورِرِ:

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- - ديمري وردوره روي دوروس مرورو ويدورو ويدور مرووودود دورو سيرورو دورو مرورو و دورو و دورو و دورورو و دورورو و
- פֿברורישַׁתְּפָ בֹתר פֿתְעוֹבֶּרְ עַתְּבּׁתִישְּׁנְעָבֶּרְ בְּרְעָפָּהֶרְ הַתְּבְּעִנְבֶּרְ תְבּּתְשְּׁנְעָב שונפת עונקפיב הפנת רובים להעל מתוכה בברופיתה בישבתובה תורישה הפתפובה להמתו בבר בתוכה בה להמתר פני הג הפני

- - 2 לאכם ה 2000 / 2000 / 2000

### 01000 (222) (020 01000 (222) (020) (020)

- תיתו פתמבות שיניינות פין בחת במיני פש בחקבת הבינות בשונות בתובת מיתו פתמינות בת ביישומקבת בבינחסית כי-פתמבת בהתפתמבת במינינים במיני בתמבוב במיני ב הנגר המיני

## תשלת על ברת של על המשל התש את א

- - שנים) ים נדנדנו יומסים סדרו ים נים) אף סדם לריסיו יצרו ד מיום כם לי מיום ורימים ביים ביים ליים ביים ביים ביים ב - תקתקציות תקצאות ב גמוספה נתצבצה אתתקתב נחקה פייחת תקבתשות תקצא האנאמת סבייתם שיייעות העקפקפתי







## **ANNEX 1: Student Awareness Presentation**





























יין ביינה ב''ס'י מית בייתה מצות ב'''ס'י























دِ سَمَرَتُمْدُ رِحْمَمُ غَمْدِرَرِسَ رِدْرِيْمُنْكُا مِدْدَرِ مَثَنَّمُرِتَادُ دُوْدُوْجُوْدُوْ كَفْكَدْ (1/93) دُرْنَدُ 23 عِنْمُونَدُ 2021 دَرِ





## יבתם עצת ביתב ערם?

- و و کامان دام الدید بد او دستا حد (دهاو کرچندی و درون دیدو درون علقات دید الدید در حدو در عدو سوعه شده شد به مندلدی ه عدود الدیدی هم عدوا زندند زیندوند دکار علی بدید







- و دینچ محدورت محدود دیده در در در محدود میشود در در در میشود در در در محدود در در محدود در محدود
- در رمپهردد ددا (د زدر دوددی ددردد حدوددی در ددن (دهادد)
   درح دهدردد درد ددد ددد دودد
  - دور چشوههای درید جمهم دا حدی «دوه پنده» دود

## رديره ميرش درشرد بادء؟



ىقى ئىلىرى ئىلىرىدى ئ ئىلىرىدى ئىلىدى ئىلىرىدى ئىلىرى





رُسِمَان 2 مِدِيدِيدِ 2 مِدِيدِ











## כַ שֹמְנְמַנְבָּת כִפֹּת מִמְפֹנָת מִמְמַנֹבְ בַנְתְים נְמִבְמְנִי עֹמְשִׁל שׁמְשׁל שׁמֹשׁל

- 1. بِدُّمَةُ مِنْ وَبِدُ حَدَرْدُورُ مُدُوْرُمُدٍ وَمُرْوَبِمْ بِمُرَمُورُهُ
  - 2. وِمَا عَبِيَ وَوَ وَسَارَمُورُ وَمَا مُرَارُهُ
    - 3 مِرْثُ عَرْبُرُ
- 4. ئرسى ئىلى ئىلى ئىرى برئوم ئىلىدۇ ئىلادى ئىدۇس ئىدى ئىدى

## בל מוציר לב הל לה לה לה לל לא לל של של של של של

- ל. ברפעונה שתעפעונת
- 6. مُدُّدُ مُدُوِّدٍ، وَيُرْدِ وَيُرْدِ وَيُرْمَدُ
  - 7. وَحُوْمِنَا لُوْرُ

### مُدُودُ سَارُدُودُ وَدُبُ الْدُومُدُنُ لَاقِيرُ لَاكِيرُ لَالْوَارُ

- 8. رِدِوَيْنَ عُرِهِ وَيْنَ وَيْرَ وَيْرُ وَيْرُ
- 9. نَبِ أَنْ مَنْعُومُ رِوْمُ سَنِرَدُوْدَيِ دُوَيْرٍ مَرَدُودُ وَسَدْنَوْدُ رُوْمَ بِرُوْمُسُؤْرُوْمُ وَيُوْنَوُمُ
  - 10. نو، و مختصود كر دسودور دو و كر دديمير وشري المريش شرك دوير
    - 11. وَتُدوِيُّهِ وَسِرِهِ عُسِيْهُ
    - 12. دُوْرُسِ مُرَدُودُ وَسَادُنَامُدُ شَرْوَمُ مِثْرُونُونَا مِنْ مُرَدُّنَا وَمُرْدُ
      - 13. عَنْسِ سُرُوْسُ رِوْسُ
        - 14. قدر و وعارد
      - 15. وَمِنْ وَمِنْ وَمِنْ وَ صَادَتُهُمُورُ الْمِنْ



## و سنزادود رفي دروز مروزه مرموره ودب درودد المرود المرود

- 1. بِدَّمَهُ عَامُ وَبِدُو الْمَعَارُدُونَ الْمُدُونِينَةِ وَخَيْرُونِ مِنْ مُعَامُونَا فِينَ
  - 2 2 2 26 2 3 3 3 3 6 2 2 2 2
    - 3. وِيَّاتُ نَاشِرُ
- - 5. مُوَوَّدُهُمُ مُرَّدُ مُ عَالَمُ مُ مَا مُرَامُوْ مِمْوُمُ

## 

- かんじょいん あんしゅん 6
- - 8. وَحَوْمِ مَا ثُرُ ثُرُثُرُ

## يُدُوُدُ سُرُيْرُورُ رُدُمُ يُدُورُدُنِ وَيُومُ مُرْكِمُونُ مُرْكِمُونُ مُرْكِمُونُ مُرْكِمُونُ مُرْكِمُونُ

- 9. رِيوَيْن عَيِ مَنْ دَفْر رُوْيْر
- 10. نو، ئ كيميوم رِوْمَ سَكِرَيْدُوْدِهِ، يُؤْمَّرٍ مَكِيْدٍوْ وَسَكَيْمَدُ شَوْمَ مِثْوَرُسُوْمَ يَكُورُونَهُ
  - 11. نَدِ، أَنْ مُنْسَوِدُوَرِ رُجُّ وَسُورُورِهُ وَوْ وَرَ مُدَهِمٍ مِهْمُ، نَسِيْمُ مُومَمُ مُؤْمِمُ
    - 12. عَالِيمِ مَرْوَمْرًا رِوْمُرُ
    - 13. وَمُورِّدُهِ وَرَدٍ عُرَدُهِ
      - 14. قدر و وُدُرُدُ



















