

**Task Description:** Assessment of Restoration Opportunities in the Mangrove forest within the project area in Northern Kilifi County

## Background

Mangroves are diverse ecosystems, which provide habitat to a variety of species and sustain the livelihoods of coastal communities through a range of ecosystem services, for example, the provision of food (fishes, crabs), building (wood) and cooking material (wood or charcoal). However, the services mangroves provide go beyond directly providing livelihoods as mangroves also protect the coastlines and homes of communities against storms and erosion and they are an important ally in the fight against climate change, as they store carbon 3 - 5 times more efficiently than terrestrial forests.

Through their diverse ecosystem services protecting and sustainably managing mangroves contributes to several Sustainable Development Goals (SDGs), such as food provision (SDG 2), economic activities (SDG 8), sustainable communities (SDG 11), climate regulation (SDG 13), marine life (SDG14) and life on land (SDG 15).

This project seeks to;

1. Address the causes behind the degradation and loss of mangroves by identifying economically viable and sustainable uses of mangroves (both existing as well as potential alternatives) and developing sustainable use schemes.
2. Give communities the tools and capacity to manage the mangrove ecosystems they depend on for their livelihoods.

The outcome of the project intervention will create the conditions enabling coastal communities to continue their livelihoods, which are closely linked to mangrove ecosystems as well as ensure food security and resilience against increasing climate change impacts. The project will strengthen the role of civil society by providing capacity building to community groups (CBOs, CFAs etc) and networking the project partner CSOs to enable more effective policy advocacy on behalf of CBOs.

**Status of mangroves:** Kilifi County hosts approx. 14% of all the mangroves in Kenya (for a total surface area of 8,536 ha). Out of these, 40% of mangroves are in need of rehabilitation.

## Purpose of the Assignment

Assessment of Restoration Opportunities in the Mangrove forest within the project area in Northern Kilifi County

Contributing to the following project Work Packages;

1. Work package KE1.2.1N: Restoration of degraded mangrove areas
2. Work package KE1.1.1N: Registration of CFAs and development of mangrove management plans; *contributing to component of mangrove management plan-*

Tasks will include;

1. ***Review previous reports and document existing data and data gaps;*** compile a list of data that has been collected and that will be useful for informing the cost-benefit analysis, finance analysis, carbon analysis, and data related to social aspects. This may include spatial data on poverty, demographics, infrastructure, access to water, rainfall data, and other relevant data deemed necessary. Also review will include successful restoration projects which may serve as a 'treatment' group in the cost-benefit analysis, as well as inform suitable restoration interventions.
2. ***Facilitate site-based stakeholder consultations to identify suitable landscape restoration interventions and collect relevant data, as well as to conduct a Rapid Restoration Diagnostic workshop.*** Identify and characterize the list of suitable landscape restoration interventions in terms of their relevant economic components. Map these interventions to existing land use classes based

on land use maps. Apply the Rapid Restoration Diagnostic to identify the key success factors and enabling conditions that currently exist and are missing. Prioritize interventions based on scope, needs, feasibility, and the ability to reduce drivers of degradation.

3. ***Analysis of costs and benefits of mangrove forest and adjacent buffer landscape restoration interventions;*** Providing budgets estimate the profitability for restoration enterprises by documenting the timing, quantity, and prices of management practices and inputs involved in the restoration enterprise as well as the up-front costs of implementation such as site preparation and seedling production and planting.
4. Analysis of existing finance options and instruments that the project may be able to use in order to support restoration activities. Conduct an analysis of relevant finance instruments that may be able to support restoration implementation in the Mangrove forest. The analysis will look at finance instruments available within Kilifi County, Kenya, and globally. The finance analysis will provide a menu of options available to support restoration as well as recommendations on how to approach these.
5. Analysis to estimate the potential carbon benefits from each restoration intervention in the project area
6. Analysis of Rapid Restoration Diagnostic workshop results and development of actionable recommendations and strategies. Analyze the results that were collected during the Rapid Restoration Diagnostic workshops. Results will be written up in a short diagnostic report, which will discuss the context the diagnostic was applied in, the results of the application, and key recommendations and strategies for filling the gaps identified

#### **Deliverables - Assessment of Restoration Opportunities in the Mangrove Forest in Northern Kilifi**

1. A report each for the 6 tasks of the assessment listed above
2. A draft final report of the assessment that incorporate input from the site based stakeholder validation workshop.
3. A final report that will provide an overall documentation of the assessment an overall summary of the study, its primary purpose, findings, and conclusions. The final report will document the objectives, methods, results, and conclusions of each sub-task discussed above.
4. All of the inputs used in the ROAM analysis, including maps, tables, and figures.

#### **Roles of Expert**

1. The expert will participate in meetings with Nature Kenya for effective implementation of the assignment including generating a project schedule including dates for stakeholder consultations, validation workshops, and deliverable dates for the final report.
2. Identify and describe specific tasks that can be delegated to Nature Kenya staff.
3. Undertake tasks as detailed above
4. Timely submit to Nature Kenya preliminary reports for review

#### **Roles of Nature Kenya**

1. Nature Kenya will be responsible for organizing the workshops and paying for associated costs (e.g. venue, transportation allowances for participants, catering, etc.
2. Be available to regularly consult with the expert in generating
3. Support the organization stakeholder meetings for ROAM validation
4. Nature Kenya will work closely with the expert to review the draft final report and provide comments and feedback