





Plenary 9-11 May 2023

# Kenya – monitoring and reporting ecosystem restoration

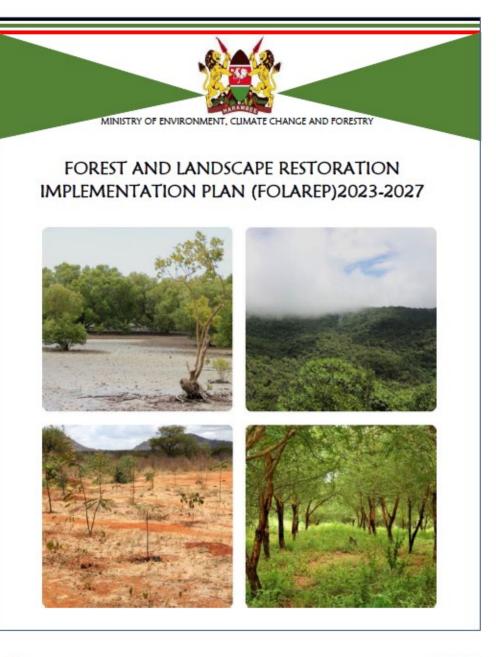
GFOI: Ecosystem Restoration Plenary

Peter Nduati, Kenya Forest Service



## Background

- 30% of Kenya's landmass is degraded
- AFR100 Commitments to restore 5.1 million ha of degraded land by 2030. & increase forest cover to 10%, along with other commitments through MEAs.
- Major challenge in reporting on NDCs, biodiversity, LDN AFR100 etc.
  in a coordinated and consistent manner, in order to reliably track the
  progress, outcomes and adapt restoration interventions.
- Through the FOLAREP a cross sectoral multi—stakeholder coordination framework, the proposal for an integrated monitoring and reporting framework to report on all restoration interventions across Kenya.



















## A national restoration monitoring framework

The framework is multipurpose in that it aims to;

- 1. Coordinate restoration monitoring and track progress at national subnational, regional and international levels to assess failure and identify barriers.
- 2. At the national level it aims to enable government to easily report to MEAS and regional, national commitments (simplify the reporting burden)
- 3. Further, aims for development partners to easily and comparably quantify their investments and track their impacts of restoration efforts.











## Framework development

The Kenya Forest and Landscape Restoration Monitoring Framework was developed through a consultative process led by the members of the Kenya Landscape Restoration Monitoring Technical Working Group (TWG).

The key steps involved in its development are highlighted in Figure 1. These steps outline both the process and the information sources that contributed to the framework.

3rd meeting of the TWG

3 DECEMBER 2021

1st meeting of the TWG

#### 23 APRIL 2021

#### Webinar on Forest and Landscape Restoration Monitoring

Participants agreed on the need for a national restoration monitoring framework with clear indicators, methods of assessment and mechanisms for learning and adaptive management. It was also proposed to form a national technical working group to spearhead the formation of such a framework.

#### 9-16 JULY 2021

#### Kenya National Landscape Restoration Scaling Conference

Landscape restoration monitoring was a core theme of the conference which saw the endorsement of terms of reference, membersship and chairs, outputs, and timelines for a landscape restoration monitoring Technical Working Group (TWG). Recommendations were also provided on the key features for the development of a national restoration monitoring framework, enabling conditions for its success, and the criteria for developing a set of core indicators.

#### 26 OCTOBER 2021

#### SHARED Workshop, Makueni County

Participants of the TWG and a wider group of stakeholders explored terminology, underlying causes of land degradation, and initiated discussion on a draft of the monitoring framework and key indicators.

29 SEPTEMBER 2021

2nd meeting of the TWG

3 FEBRUARY 2022

4th meeting of the TWG

#### DECEMBER 2021-MARCH 2022

#### County consultations

Seven engagement forums brought together national government, all 47 counties, the Council of Governors, and development partners to review drivers of degradation and barriers to restoration, top indicators for restoration monitoring, and County Environment Committees (CECs), which are the proposed structures for mainstreaming forest and landscape restoration at the county level. A synthesis report of the engagements was produced.

The top five indicators crucial for a national restoration monitoring system in Kenya as noted by counties were:

- Area of forest and forest land restored.
- Number of existing plans, policies, strategies, regulations reviewed and developed.
- · Area of degraded agricultural lands restored.

5th meeting of the TWG

15 MARCH 2022

- Area of landscapes under improved management to benefit biodiversity.
- Trends in population accessing adequate quantities of safe water in urban/peri-urban areas.

It was noted that county environment committees (CECs) are active in only 18 of the 47 counties. Further, 25 of 47 counties mentioned that county climate change entities are critical to enhancing the CECs' FLR functions. This indicates that all counties have distinct FLR monitoring structures, including CECs, monitoring and evaluation committees, and units. This distinction arises from a unique clustering and nomenclature of county departments, which highlights the importance of harmonized departments to allow for easier implementation and monitoring of FLR.

#### **National Validation Workshop**

To validate the monitoring framework, the validation workshop gathered relevant stakeholder to provide final feedback was on the county engagement synthesis report, FOLAREP and the national restoration monitoring framework. Additional subindicators and refinement of the monitoring framework took place. The next steps and way forward for landscape restoration monitoring were also agreed upon during the workshop.

7-8 JULY 2022

#### 24-25 MARCH 2022

#### Restoration Barometer Meeting

A rapid stocktake of Kenya's restoration progress under the Restoration barometer tool, used to assess Bonn Challenge pledges, was assessed by many members of the TWG and other relevant stakeholders.

#### 17-18 MAY 2022

#### Capacity Building Workshop on Restoration Monitoring Tools

The meeting selected restoration monitoring tools and assessed their availability, ease of use, training and capacity needs and accuracy. The draft monitoring framework was reviewed and updated during this event.

#### 29 JULY 2022

6th meeting of the TWG

#### 14 SEPTEMBER 2021-29 JULY 2022

#### Six meetings of the TWG

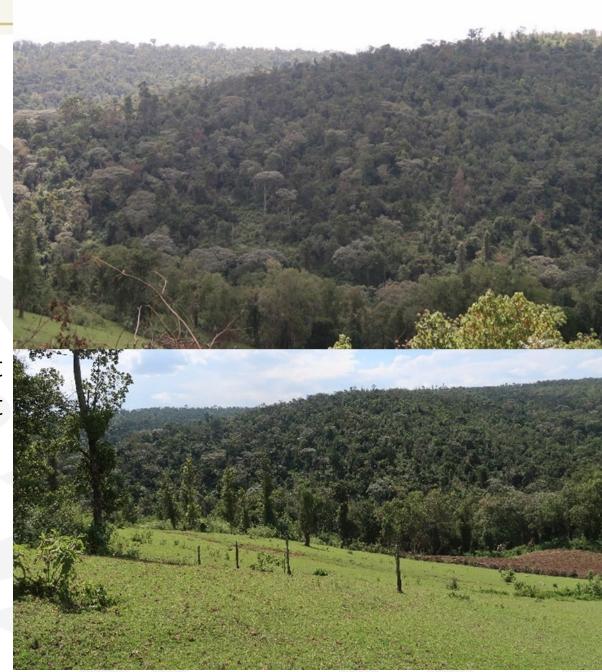
The TWG was officially formed by the Principal Secretary of the Ministry of Environment and Forestry to develop a monitoring framework in support of restoration tracking, assessment, and reflective learning. The TWG held a total of 6 meetings from September 2021 to July 2022, through which the monitoring framework was developed.

The key considerations of the TWG when developing the indicator framework can be summarised as follows:

- Considered drivers of degradation, inputs in terms of activities, outcomes, and national and international commitments.
- Based on a specific set of criteria i.e., indicators must be relevant, accurate, and cost-effective/ measurable.
- Grouped indicators under relevant categories.
- Separated indicators into those that could be measured now and later, given the capacity and the spatial and temporal scales of the indicator.

### Indicator considerations

- A flexible and adaptable framework with core and additional indicators proposed
- A manageable set of indicators which captures key drivers of degradation
- Is measurable in the present and future to account for the lag and capture both effort and impact
- To understand changes in restoration investment and implementation and how these impact ecological unction.
- Builds off existing indicators which institutions and agencies collect and have experience with
- Being cognizant of the capacity which is needed to monitor against selected indicators
   Observations Initiative 9-11 May 2023



## Framework Structure











Restoration project data



Investment



Policy and advocacy



Value chains



Communication and knowledge

#### **OUTCOME INDICATOR CATEGORIES**



Land health (LDN)



Tree cover and type



Socio-economic



Capacity



**Biodiversity** 



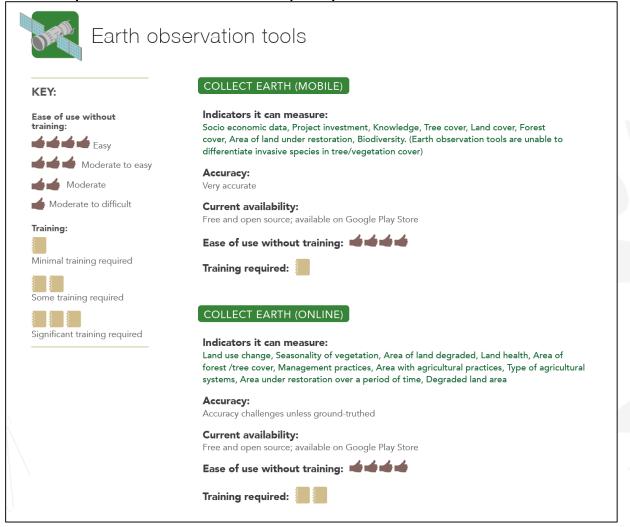
Climate change

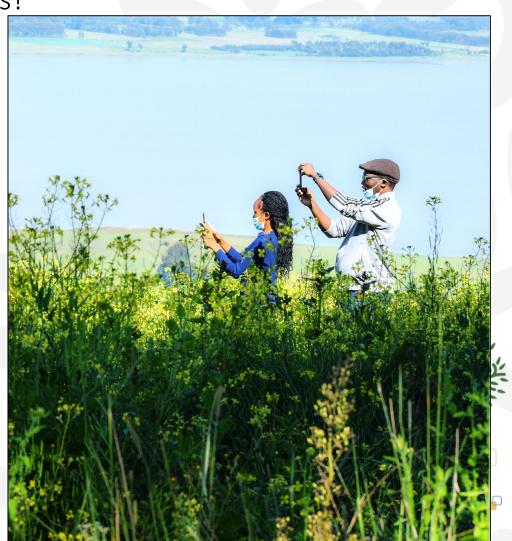


Category	Indicator	Sub-indicators	Metrics	Frequency
Area of land under restoration	Area of landscape under improved practices and/or undergoing restoration	<ul><li>A. Land use type: forest, grassland, crop land, rangeland etc. from national typology</li><li>B. Restoration type from national typology</li></ul>	A. Hectares B. Hectares	Annually
Restoration project data	2 Project name	A. Number of community members engaged and disaggregated by gender, age and other groups	A. Open B. Geospatial polygon, GPS coordinates	Annually
	3 Project location (geospatially explicit)			
	4 Restoration actions		C. List/Typology	
	5 Beneficiaries of restoration initiatives (disaggregated)		D. List/Typology E. List F. Start /end date G. List	
	6 Project partners (names of institutions)			
	7 Duration of the project			
	8 Challenges and mitigation in the project			
Investment	9 Amount invested in landscape restoration (KSH/USD)	<ul> <li>A. Source of funding/investment (private, donor, national government)</li> <li>B. Types of funding (loans, grant, equity, in kind)</li> <li>C. Where it was invested (county, sub-county, ward)</li> <li>D. How it was invested (project, finance access, policy)</li> </ul>	<ul><li>A. List and KES / USD</li><li>B. List</li><li>C. Location (county, sub county, ward)</li><li>D. List (project, finance access, policy)</li></ul>	Annually

## **Tools to measure indicators**

- A range of tools exist, which could be used to monitor several indicators
- How easy are they to use? How much training is required? How accurate are they? Are they available for deployment? Field based or EO tools?





## Data & reporting framework for restoration monitoring

### Identified features

The TWG has identified several important features of an online data management and reporting framework:



Allows for **continuous monitoring** (i.e., real-time monitoring)



Accessible and user-friendly.



A gateway to other systems (especially if the information is not available).



A private database and also a public platform for information dissemination.



Captures/aggregates all indicators in the framework.



Contains only verified data and information.



Contains data /information sensitivity classification.



Builds on existing institutional structures.



Designed in consultation with the stakeholders.



Guided by data sharing protocols to avoid duplication of data collection efforts where necessary and ensure data contribution to the system.



Promotes data sharing by creating incentives such as competitive reward systems.



## National strategy for achieving and maintaining over 30% tree cover by 2032.

- Launched as a whole-of-government and whole-of-society-approach;
- 15 billion trees for restoration of 10.6 million ha of degraded lands by 2032;
- Increase national tree cover to 30% from current12.3%;
- Multiple interventions across landscapes; Conservation and commercial drivers;
- 15 billion tree growing campaign -300 trees per person over ten years;
- A Green Army of youth and women a major facet of the initiative.
- Green Ambassadors at national, county and sub-county level
- Multi-layered governance structure;
- Requires shared responsibility, enhanced ambition, innovation, renewed commitment and adequate funding.

## Thank you.

Peter Nduati, Kenya Forest Service

