

PARTNERING WITH BUSINESS FOR RESTORATION OF MT.KENYA ECOSYSTEM SERVICES



**RWANDA NATIONAL –INTEGRATED
WATER RESOURCES MANAGEMENT (IWRM)
CONFERENCE, MARRIOT HOTEL, KIGALI**

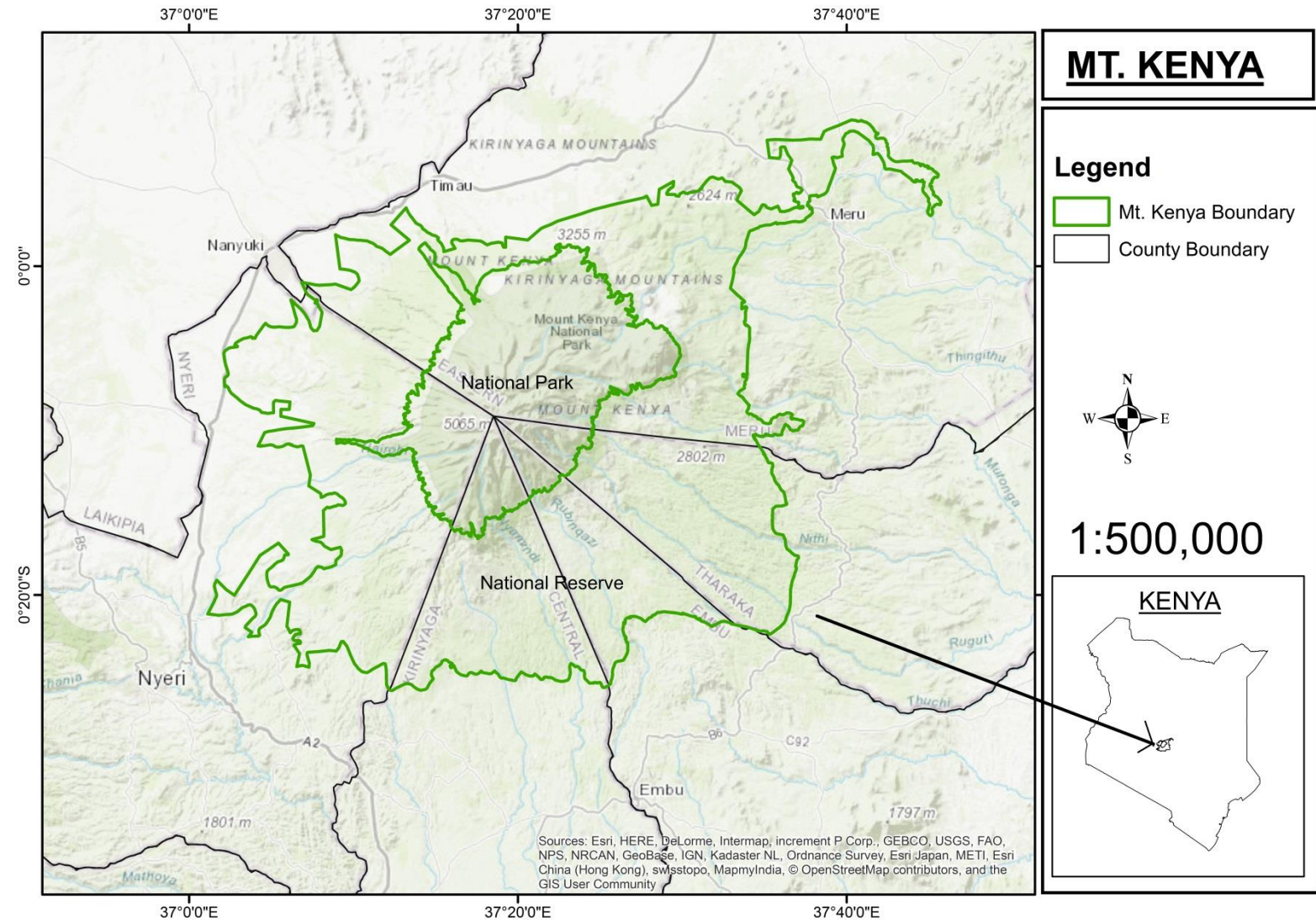
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NATURE KENYA**

21ST MARCH 2019

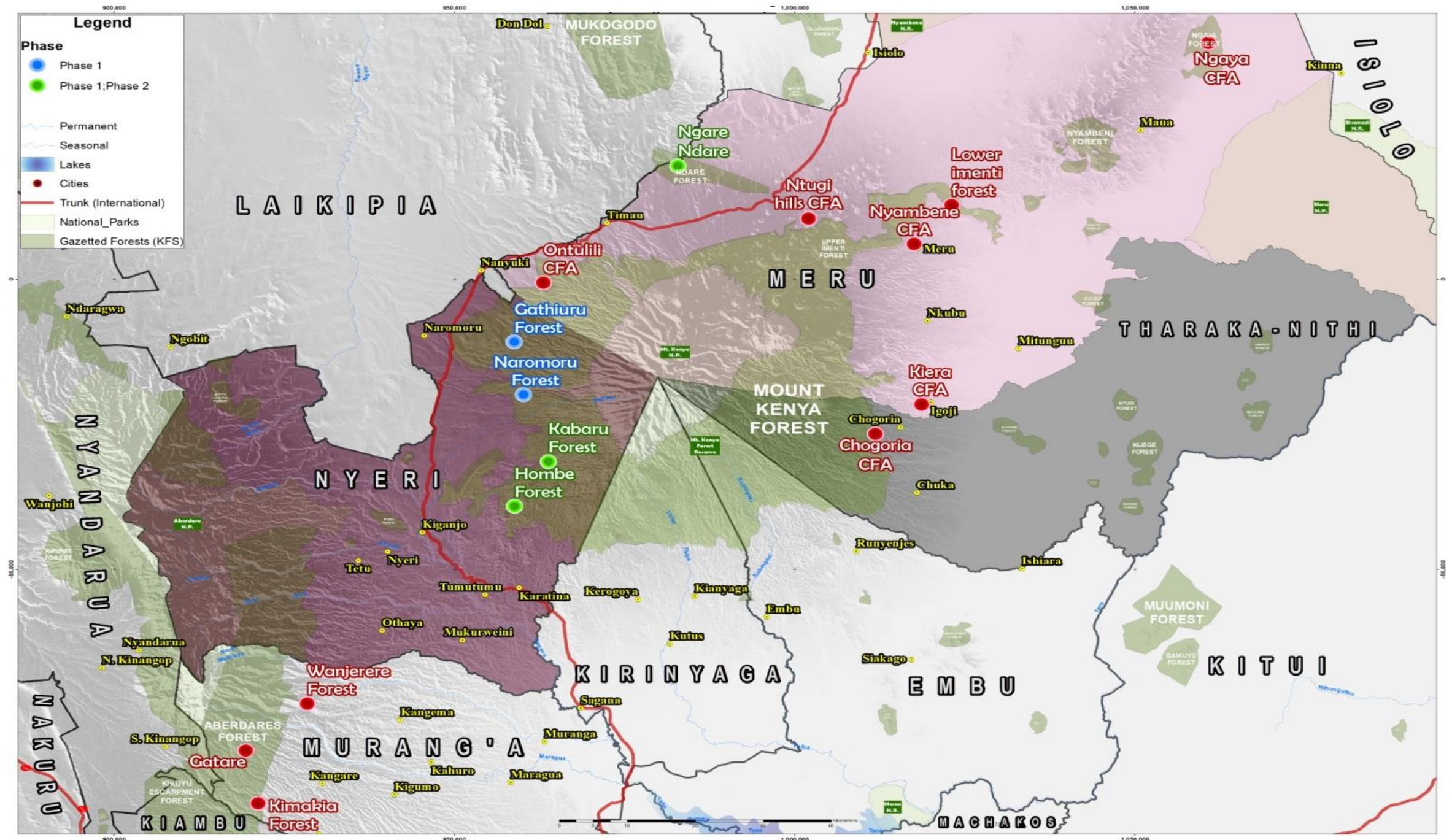


INTRODUCTION

- Mt Kenya is one of the 5 major water towers in Kenya. Biggest water shed supporting the Tana River basin.
- Mount Kenya is a formally protected area managed by Kenya Wildlife Service and Kenya Forest Service. This protected area measured 282,872ha, 70,472ha of which comprise a national park.



PROJECT AREAS IN MT. KENYA



WHY MT KENYA FOREST ECOSYSTEM

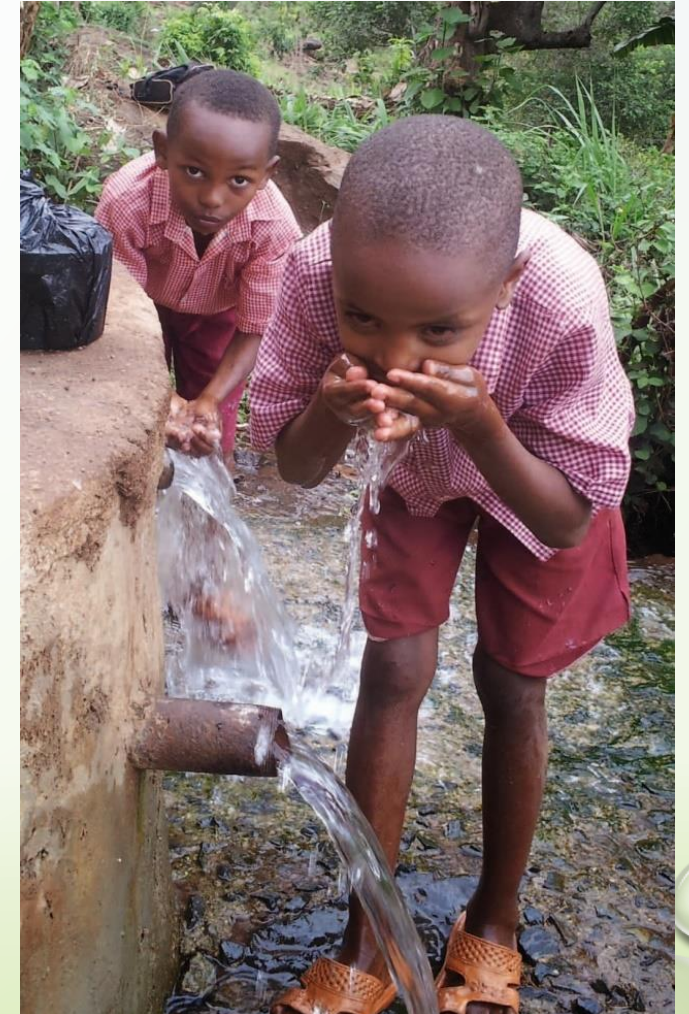
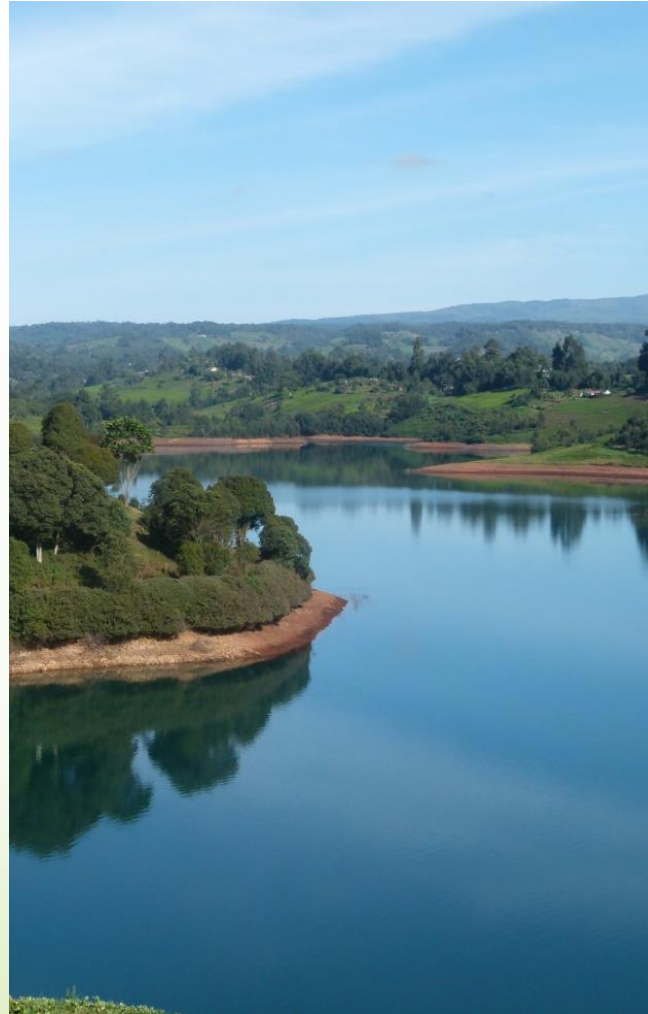
1. HYDROPOWER GENERATION

- 70% of Kenya's electricity is from 10 hydropower stations in the Seven Forks Hydro Stations comprises of Gitaru, Kamburu, Kindaruma, Masinga and Kiambere dams. Mutonga and Grand Falls yet to be developed



2. CONTRIBUTION TO WATER SERVICES

- Provides drinking water to over 2 million people (including 95% of Nairobi)



3. FOOD PRODUCTION

- The total cropping area in the Tana watershed in 2011 was about **1.0 million ha**★
- The irrigation potential is estimated to be around **132,000 ha**, of which 64,425 ha is irrigated already★

★Republic of Kenya [2011a]: High Grand Falls Multipurpose Development Project on River Tana Feasibility Study. Ministry of Regional Development Authorities



THE PROBLEM/CHALLENGES IN MT KENYA FOREST



Deforestation

A photograph showing a cleared area in a forest, with large logs and debris on the ground, indicating the removal of trees.



Landscape degradation

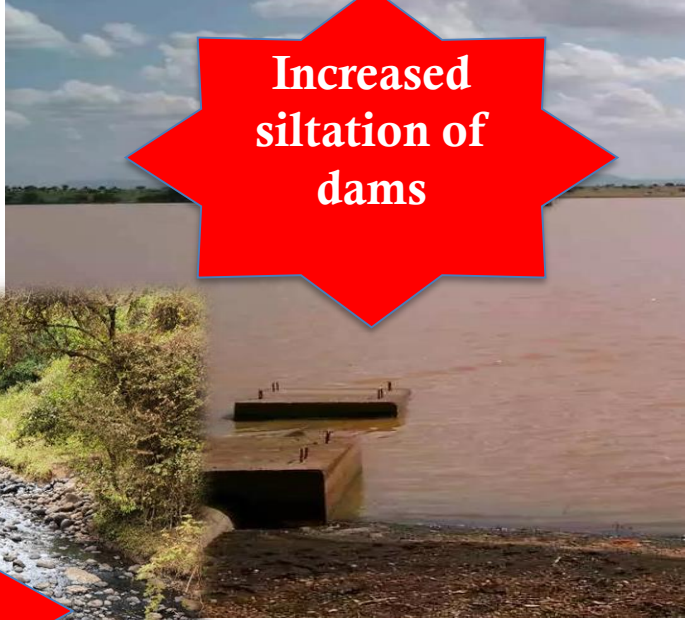
A photograph showing a degraded landscape with sparse vegetation and a large, bare tree trunk in the foreground, indicating the loss of forest cover.



Rise in water treatment costs

A photograph of a US \$100 bill, showing the portrait of Benjamin Franklin, used as a visual metaphor for high costs.

SOME OF THE
PROBLEMS:
in
Mt Kenya
Forest



Increased siltation of dams

A photograph showing a dam structure with a large amount of sediment (silt) accumulated in the reservoir, indicating a reduction in water storage capacity.



Increased water demand & stress

A photograph showing several yellow plastic jerrycans and a blue bottle, with a hand pouring water from a tap, illustrating the need for water collection and storage.



Reducing water quantity and quality

A photograph showing a dry, rocky stream bed with sparse vegetation, indicating a reduction in water flow and quality.

THE INTERVENTION



Restore
degraded areas

A business case was
developed for the
restoration of the
Mount Kenya
Forest



Public and
private sector
partnership

INTERVENTION

Capacity of 20 CFAs and
2 CBOs on negotiation
skills, resource
mobilization, developed
action plans & group
business cases



RESULTS

- Private Public Partnership strengthened where Kenya Breweries Limited, Serena group of hotels, Privatisation Commission of Kenya and 5 CFAs with Nature Kenya as an intermediary rehabilitated 150ha of forest.



RESULTS

- Establishment and enhancement of 5 community Tree nurseries with to capacity of 350,000 tree seedlings.



RESULTS CONT....

- Held meeting with 20 CFAs, water users (“buyer”) and small businesses to make them understand why they have to get engaged in forest restoration
- 20 CFAs met with water users (“buyer”) at their sites of operation



RESULTS CONT....

- 15 CFAs have developed and submitted proposals of total KSh.150 million to Upper Tana Water Services Trust Fund for forest rehabilitation and livelihood improvement.
- Platform provided for CFAs to lobby national and county governments to mainstream biodiversity conservation in sectors of economy to catalyze implementation National Forest Program
- Increased commitment from local stakeholders to increase surveillance and information sharing to mitigate threat to forest i.e. wildfires during the dry season, and stopping illegal water abstraction.



21/07/2017

Norms

- ① Phone - silent mode
- ② Active participation
- ③ One person - speak at a time → raise hand
- ④ Respect each other's opinions
- ⑤ Minimal movements
- ⑥ Keep time

Leaders

- ① President — Joseph
- ② Spiritual leader — Gikunda
- ③ Time keeper — Samuel
- ④ Energizer — Seniah
- ⑤ D/Master — Zipporah

Expectations

- ① learn more about ^{conservation} ~~learn~~ better ^{conserving the forest}
- ② learn how to ^{in the forest}
- ③ Achieve new
- ④ Governance
- ⑤ Challenges
- ⑥ learn from ^{ment.}
- ⑦ ^{Forest.}

NYAMBENE C.F.A

WATER BUYERS:

- ① Tuuru water Supply.
 - ② Kiegei Tea Factory
 - ③ Igembe Tea Factory
 - ④ Michii Mikuru Tea Factory
 - ⑤ Maua Methodist Hospital
 - ⑥ St. John's Tigania Hospital
 - ⑦ IMETHA WASCO
 - ⑧ Fr. Sokodati Teachers T.C.
 - ⑨ C.D.Fs within Nyambene Catchment.
- Bottlers within Nyambene Forest.

LESSONS LEARNED

- Private sector players are able to connect business success with sustainable water flow and are willing to contribute to forest restoration.
- Businesses (Water Users) are willing to engage with “sellers” as long as they can quantify the benefits they get from the ES
- Corporate Social Responsibility (CSR) for many Businesses is not in environment but in social fields including livelihoods and emergency response.
- Private sector has stringent financial procedures that require credible institutions who get pre-qualified as service providers/facilitator of the process.
- Need regular consultative meetings between businesses & CFAs/CBOs
- Private sector also wants publicity around their good work

LESSONS LEARNED CONT....

- Need credible partners who should also help them grow their business through marketing and communications.
- CFAs and CBOs need support to reach the business sector far away from their immediate locality
- Businesses are willing to fund CFAs and CBOs that demonstrate financial management capability and delivery of planned targets
- CFAs and CBOs are an asset for forest restoration as they have enough manpower to do the work

CHALLENGES LINK TO PARTNERING WITH BUSINESSES



FUNDING & SUPPORT

ACKNOWLEDGED SUPPORT FROM



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