

# Mazingira Bora



# TIST

The International Small Group & Tree Planting Program  
www.tist.org

**English Version**

An Environmental, Sustainable  
Development and Community Forestry  
Program.



**Mitheru TIST Cluster members during their monthly cluster meeting.**

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**Inside:**

**What others say about TIST** Page 2

**Support your Quantifiers!** Page 4

**USAID offers more support to TIST indigenous tree planting program.** Page 4

**Open letter to TIST- Kenya Quantifiers – gratitude for successful validation and verification.**  
Page 5

**TIST responds to weak shilling against the United States of America (US) dollar – tree payment adjusted.** Page 5

**TIST: Environmental Benefits of Planting Trees.** Page 6

**Make your voice heard, and help make TIST better!**

**Now is time to prepare for elections for council representatives.** Page 6



## What others say about TIST .

In TIST, together, we take action that all of the world can see. We plant trees. We build and use energy-saving stoves. We conserve and restore rivers by planting indigenous, water-friendly trees. When people see the work we do, more join and make TIST bigger and better. Let's keep working hard to create big results! Here are some things people are saying about TIST's work.

**Anthony King, Executive Director, Laikipia Wildlife Forum Ltd.**

The Laikipia Wildlife Forum is a member-based, grassroots environmental conservation organization. TIST has been a member of LWF for many years, and together we have been working to support smallholder farmers to develop woodlots. TIST has had significant reach in the area in which we work, overcoming the challenge to promote tree planting in small holdings.

**Rodney Portman, Chair, Berkeley Reforestation Trustees**

TIST is in our opinion an outstanding programme working to improve poor farmers' lives and incomes, with associated environmental, health and educational benefits.

**Robert Delve, Senior Technical Advisor - Agriculture and Environment, Catholic Relief Services**

As you know, TIST is primarily a carbon sequestration project, through promotion of tree planting schemes in smallholder farming systems around the world. They are primarily interested increasing the income options for smallholders and have purposively avoided plantation approaches to tree planting. Whilst this has certainly complicated their program, it has, and will continue to, provide income benefits to tens of thousands of individual households rather than a few large landowners. This local community focus is what attracted CRS to currently co-invest with TIST in schemes in Kenya, Honduras and Nicaragua, and we continue to see where our future collaboration can be expanded to.

Beyond the payments for live trees which benefit the communities whilst the trees are growing, they also add support activities around group strengthening, agricultural production – particularly conservation agriculture, and promotion of fuel efficient stoves – for improved air quality and

reduced fuelwood use.

These activities at an individual level are not really focused on increasing bio-diversity per se, but as the program increases in scale, there is the option of establishing protected animal corridors/migration routes, as well as linking their smaller sub-units into contiguous areas. I know that current discussions with the Kenya Forestry Services are focusing on allowing TIST groups to plant and manage trees in the Mau Forest Complex to re-forest and protect one of Kenya's main water sources, and protect and increase its biodiversity.

- Promote excellence and innovation in project design.

One of the areas that attracted CRS to this partnership was the transparency in the certification and auditing processes of TIST. The use of PDA's and GPS units to count, verify and publish the locations, sizes, owners, and tree species openly and very quickly, overcomes one of the largest challenges in this area, in that you can see that the trees exist and are growing and being managed.

- Mitigate risk for investors

CRS did audit TIST before we started working with them through our own internal processes, as the same questions always comes up - who are they? Are they serious? Are they honest? Who do they sell the carbon to? etc. So CCB certification would help TIST and the thousands of smallholders they work for, to formally show they are a respected and valuable development partner. It would also allow CRS to promote with greater clarity and accountability the partnership with TIST to private and public donors. And of course the more carbon TIST can sell through being certified, the more they will invest in smallholder families and the greater the benefits to them and the environment.

All in all CRS is very happy working with TIST in this area of carbon payments and community development. We could have chosen one of the many companies around offering the same services, but we were impressed by their experience in the field of emissions standards and trading, their openness to collaboration, and their innovative and open certification system.

**Betty Tembo, Farmer, Vice chairlady, Institute for Culture and Ecology, Committee member, Methodist Church, Home-based care counselor**



**on HIV/AIDS**

TIST has helped us on wood fuel supply. We prune our trees, thin tight ones and get wood fuel. We get paid for our trees.

We get timber for construction of our houses. We no longer go to the forest to cut trees. We practice CF and get better yields. We help each other in preparing CF lands. Compost manure is helping us reduce production costs because we don't have to buy chemical fertilizer.

**Judith Kimathi Member, Institute of Culture and Quality; Secretary, Maendeleo ya Wanawake, Meru Municipality;**

TIST is good because for trees I have planted, I get paid. I also get other benefits from trees such as fruits. CF has helped increase yield. My neighbours are happy with TIST. TIST has enabled community harmony because we are organized in groups – this helps us work together.

**Salome Mbabu, TIST Trainer, Kepap Agriculture group**

I support TIST. CF has increased food supply through trainings, reduced production costs through training on compost manure. The local environment has improved since TIST started in my areas.

**Hellen Gerald, TIST Farmer**

We planted trees and get payments. We get firewood. We now utilize our land better. We are being trained on clean cooking stoves and this helps save on food fuel and free of smoke cooking areas.

**Dickson Mutiso, Chairman, Masinga Dam Community Forest Association**

I am new and not a member. I have a CFA and I learnt about TIST in newspapers. I come from Masinga dam, along Tana River. I like what TIST is doing and I would like it expanded in my area.

**Margaret Silas Member, Institute for Culture and Ecology ;**

*CFA member, Lower Imenti forest*

My mother introduced me to TIST. She supports it and I also came to like it. We get payments and besides we get wood fuel, CF and Compost manure. These double yields from traditional planting practices. TIST has helped improve our livelihood. Clean cooking stoves (jiko poa) – help save time

and free of smoke – good health

**Esther Kamenwa, TIST Farmer**

With time, TIST has gained the confidence and trust of farmers as farmers plant more trees and get paid for their trees. We are able to better utilize our small lands. Monthly cluster meetings benefit people with various training on topics such as planting of drought resistant crops.

**Joshua Kimaita, Church Minister, Methodist Church, Meru**

I love TIST because when I attend Cluster meetings, I get a lot of motivation and encouragement. I have planted more trees in my shamba. We prune our trees for wood fuel. We have increased soil fertility, and helped revive planting of indigenous and high value trees as *Cordia africana*. We have been trained on CF and this has increased our crop production. I have learned leadership skills. We have learned about banana growing for small scale farmers. We are trained about clean cooking stoves. I intend to buy one soon. My community is encouraged and passionate about TIST. There is hope for long term benefits in carbon business. I am now passionate about TIST because of what TIST has done and continues to do.

**Joseph Kiogora, TIST Quantifier**

I joined TIST in 2006. I support TIST because it has helped build my leadership skills. This has helped me serve my community in various areas. I am now a courageous leader. I got employment in TIST collecting data as a Quantifier. This helped me support my family financially. I learned computer technology through TIST. I am happy that I am computer literate now through TIST, and received these skills at no monetary cost at all. I have learned more about trees – I now appreciate indigenous trees through training. We now plant indigenous trees in plenty.

I have benefited from a TIST energy saving jiko. This has helped me save on wood fuel and also enabled to keep my trees alive. Through TIST, I have interacted with peoples of different diverse background and this has brought understanding and tolerance of other communities

**Help wanted contact persons:**  
**Susan Kinanu - 0711 - 721 219**  
**Purity Mugo - 0724 - 119 815**  
**Mary Kathei - 0726 - 283 425**



## Support your Quantifiers!

TIST Farmers are in the Carbon business. They get their payments for each live tree from the eventual sale of carbon credits or offsets. The only way that carbon can be sold is to have accurate, complete, and up-to-date Quantifications. All of us need to help the Quantifier get their job done very well!

Recent organizational improvements in TIST now require one Quantifier to quantify in 2-4 nearby Clusters. This helps reduce time loss during travels and as well high travel costs previously incurred as quantifiers traversed in multiple, far distance Clusters. As soon as new people are trained, your Quantifier will come from one of the Clusters nearby.

At the beginning of their work, the Quantifier is not familiar with the Small Group members, and where their tree groves are located. Your Cluster doesn't want them to take a lot of time 'looking for the members'. Your Cluster Leaders should organize to have one of your members (preferably one of the Cluster Leaders), who knows where the Small Groups are, accompany the Quantifier and help them quickly and accurately Quantify the Small Groups in your Cluster.

Another challenge is where a quantifier feels insecure walking around the groves that have overgrown trees. You want them to be safe and secure in your Cluster! Quantifiers are not supposed to work in areas if they feel unsafe. So, have the Cluster Leaders organize the Quantification so that the Quantifier is always

accompanied and their safety is assured.

Therefore, Cluster Leaders, in your next Cluster meeting, please discuss how your Cluster will be supporting the Quantifiers during quantification. You may decide which areas/ villages will be quantified in a certain period and the person(s) to accompany your quantifier. Then be good servants to each other – serve the Quantifier so that they can serve you.

Some Clusters have already been doing a very good job of supporting quantifiers. We have had good reports from:

1. Kirua ( Mary Mathani)
2. Maritati (Nicholas Kirimi)
3. Salama ( Rosemary Mwago)
4. Pondo (Agnes Wambui)
5. Raicheri Podo (Julius Waweru)
6. Runyenye (Bernard Kinyua)
7. Thiira (Mbaabu)
8. Kiegoi (Prisila Mukethi)
9. Kawiru MCK ( Elizabeth Nkio)
10. Antubochio (Milicent Wambogo )
11. Silimon ( Stephen Kirinya)

If you Cluster has been supporting Quantifiers and it is not mentioned here, please contact Emelda Kigetu 0727 992040 and we will publish in the next edition of Mazingira Bora newsletter. When your Cluster completes its plan to support the quantifiers, please also contact Emelda and give details.

Remember: *GOOD QUANTIFICATIONS = GOOD TONNES = GOOD PAYMENTS!*

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## USAID offers more support to TIST indigenous tree planting program.

USAID, a key partner in TIST has agreed to support TIST farmers in growing of indigenous trees. While indigenous trees do not have any more value for carbon than any other tree, planting and protecting indigenous species is crucial to the natural wealth, resilience, and health of our farms and forests. USAID support enabled us to develop the incentive for planting indigenous trees in riparian areas. Groups have already qualified for this incentive through their good work, and will receive this additional money in the next payments.

With lessons we have learned from this pilot, we are working to develop a new incentive to encourage even more farmers to plant indigenous tree species and to see the benefits of these trees on their own farms.

It is important to note that this incentive is available because of support from USAID. Unlike the tree payments, which are funded through carbon sales and so will last for at least 30 years, the incentive for indigenous trees is shorter-term, and dependent on outside funding. Currently, we have funding for the additional indigenous tree incentive through 2013. We will work to try to secure additional funding so that we may be able to extend the incentive for a longer time.

Try planting indigenous trees today! Look to the diverse forests around you, and ask your neighbors and others in your cluster about indigenous species that grow well near you. Acacias, *Podocarpus*, waterberry, *Prunus*, *Cordia africana*, figs and hundreds more species all provide great benefits to those who plant them.



# Open letter to TIST- Kenya Quantifiers – gratitude for successful validation and verification.

*By Charles E. Williams, CAAC Vice President*

This letter is to thank you for your hard work and dedication to TIST.

As you know, TIST was formed to help improve the environment by planting trees and to use the carbon stored in the trees as a new source of income for the participating farmers. Turning carbon into income is a challenge and developing a project that involves over 50,000 farmers is exceedingly difficult. However, we at TIST always believed it could be done, but we needed the proper tools. The TIST monitoring system was part of the answer, but equipment and computer programs don't mean a thing, without people with the skill to use them.

As a TIST Quantifier, you have been responsible for collecting the data required by the international carbon market. It has required countless days of travel, learning to use the palm computers and GPS, taking accurate tracks, identification of over 100 species of trees and getting accurate counts. All this came together this past year, as we submitted our first project documents under the Verified Carbon Standard (VCS) and the Climate, Community and Biodiversity Standard (CCB). Only those TIST groves that met the full requirements

of these standards were included. I am pleased to say that some of your groves made it through the intense quality assurance and quality control process.

When the Validator/Verifiers showed up last December, to conduct their field audit, they finally "got" what TIST was about. Instead of looking at traditional forests, they were seeing new trees scattered across a shamba. They were not ready for this, so they had to abandon their traditional forestry tools and approaches and come up with another way to verify our groves. When they said they were going to select a single species and year strata and just count those trees, I was very concerned. This was going to put the skills and accuracy of our Quantifiers to the supreme test!

But you and your teammates pulled it off. Without any forewarning, you were able to run through the groves, find the right trees and demonstrate the high level of accuracy required of the TIST values. As a result, in May of this year, we became the first project in the WORLD to receive dual certification under VCS and CCB.

You have my heartfelt thanks. Congratulations!

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## TIST responds to weak shilling against the United States of America (US) dollar – tree payment adjusted.

The Kenya shilling has become weak against major world currencies. In many instances, cost of goods and services has gone up. TIST is responding by adjusting the tree incentive payments to reflect the current exchange rate. TIST pays 2 US cents (\$0.02) per each live, Quantified tree every year.

In 2005, when TIST started, the Kenya shilling then was exchanged at the rate of Ksh 75.00 per US dollar. As such, at that exchange rate, tree payments of 2 US cents came to Ksh 1.50 cts.

Today, the exchange rate is between Ksh 88 – 92 per US dollar. TIST is taking the average, at Ksh

90 per US Dollar. Therefore, tree payments will be adjusted from Ksh 1.50 to Ksh 1.80.

Please note, exchange rates vary from time to time. When the exchange rate changes in the future, TIST will respond in the same way.

Remember, to earn the most benefits, it is important to continue planting more trees. The more trees you plant and keep alive, with recommended spacing of 2m and above, the more money you will earn, and the bigger your benefits from other tree products and services.



## TIST: Environmental Benefits of Planting Trees.

In TIST, we plant trees to take part in carbon offset market and earn income from carbon offset sales. However, the other benefits of trees are enormous! Here are just a few benefits we (and the rest of the world) enjoy:

- Trees serve as a natural habitat, which provides support to a wide variety of flora and fauna. They provide a sense of privacy and security to the wildlife, seeking shelter in the woods, apart from providing them with food and nutrients.
- Planting trees is very important to improve the quality of air and reduce its pollution. Trees remove excess carbon dioxide and air pollutants including sulfur dioxide, ozone and nitrogen oxide. In return, they give us oxygen required for living life.
- Planting trees help enrich biodiversity.
- The visual quality of a landscape is improved by planting trees, which, in turn, improves the quality of life. The greenery of trees adds color to the landscape and enhances the picturesque beauty of the environment.
- Trees control the climate by moderating the effects of sun, wind, and rain. They can help prevent severe floods, landslides, and wind damage.
- Trees reduce soil erosion, because they bind the soil through their roots, which would otherwise have been washed away in rainstorms and flood. Trees also help improve the fertility of soil. Rich soil transfers nutrients to food, which contributes to human health.
- Trees are great absorbers of noise. Noise pollution can be reduced, to a great extent, by planting more and more trees.
- Planting of trees facilitates better management of flood water. Trees also moderate flood hazards, by allowing the rainwater to percolate into the soil, instead of running over it.
- The demand for clean drinking water can be met by planting indigenous trees. Forests and plant cover naturally slows the runoff of rainwater, thereby filtering it. Once slowed, rainwater seeps down to refill underground storage tanks or aquifers. Also, they prevent water from mixing with the salt water of oceans. This is of immense help, as salty water takes much longer to re-enter the fresh water portion of the hydrological cycle.

## Make your voice heard, and help make TIST better! Now is time to prepare for elections for council representatives.

Who is TIST? We are! We are diverse, with more than 100 clusters around Mt. Kenya, in Mbeere, in Mara and Mau. As we continue to grow, we want to make sure that our many different voices and ideas are heard. When women and men, old and young, from many places share their ideas, we can make TIST better and better to serve all TIST Kenya farmers.

Now is the time for you to be talking in your clusters to choose who can best share your voices as a representative to the Group of Clusters.

A Group of Clusters is 2 to 4 clusters close enough to be able to share equipment and training capabilities. By November 15th, each Group of Clusters will elect representatives to a GOC Council. These representatives will not be cluster leaders, nor Quantifiers, nor auditors. Rather, they are elected representatives who will serve a six-month period. Each cluster will elect one man and one woman, and the 4 to 8 representatives will meet monthly.

Later, each GOC Council will elect one man and one woman from different clusters to represent their geographic area at the Regional Council. Regional Councils will have between 6 and 24 members depending on how many clusters and Groups of Clusters are in the Region. The Regional Councils will meet one time per month. Each of the Regional Councils will elect one man and one woman to serve on the Leadership Council. The LC will meet monthly with the “representative members”.

This structure is an important step to self-governance, so that TIST Program issues that are raised at a cluster meeting can be carried through the chain of Councils quickly. At each step, issues can be discussed and recommendations made.

To be our best, we need our best volunteers. Discuss in your clusters who you would like to serve as your Group of Clusters Council representatives. It's a great chance to learn and to make a difference for your cluster and all of TIST.



# Mazingira Bora



# TIST

The International Small Group & Tree Planting Program

www.tist.org

**Kimereu Version**

An Environmental, Sustainable  
Development and Community Forestry  
Program.



Mitheru TIST Cluster members during their monthly cluster meeting.

**Jaria Jari Guku:** *Uria bangi baugaga kwegie TIST.* Page 2

*Gwateni mbaru atari miti benu.* Page 4

*USAID nigwatite mbaru mubango jwa uandi bwa miti ya gintwire nkuruki.* Page 4

*Baruga kiri TIST- Atari miti ndene ya Kenya- gucokia nkatho niuntu bwa gukuruka gutegerwa ngugi na gukurukithua.* Page 5

*TIST nigukabana na kugwaa kwa shilingi ya Kenya iteganiritue na dollar ya nthiguru ya America - Morei ja miti nijagaruritwe.* Page 5

*TIST: Baita cia kuanda miti kiri naria gututhiurukite.* Page 6

*Tiga mugambo jwaku jwigike utethie TIST ibue nkuruki! Nandi ni igita ria kuthuranira kuthuura antu ba kuburungamira utongeriene.* Page 6



## **Uria bangi baugaga kwegie TIST.**

Ndene ya TIST, amwe, nitujukagia itagaria riria nthiguru yonthe yonaga. Nituandaga miti. Nituakaga na tugatumira mariko ja nkuu inkai. Nitumenyagira na gucokaniria nduuji cia miuro gukurukira kuanda miti ya gintwire iria ikaranigira na ruuji bwega. Riria antu bonaga ngugi iria tuthithagia, babaingi nibatonyaga na bagatuma TIST ikanenea na ikabua nkuruki. Twiteni na mbele kurita ngugi nainya nikenda tuthithia mantu jamanene! Jaja ni mantu jamwe ja jaria antu bakuuga kwegie ngugi ya TIST.

### ***Anthony King, Mutongeria uria munene Laikipia Wildlife Forum Ltd.***

Laikipia Wildlife Forum ni kambuni ya amemba ya kumenyeera naria gututhiurukite kuuma nthiguru buru. TIST nithiritwe iri mumemba wa LWF miaka imingi, na amwe nituritite ngugi kugwata mbaru murimi umunini kuambiria miunda ya miti. TIST niumbite kwithirwa ikinyirite na njira ikwonwa ndene ya ngugi iria twitaga, ikiumbanaga kiri jaria ikabanaga najo kiri gwikira inya uandi bwa miti ndene ya miunda iminini.

### ***Rodney Portman, Mwene giti ndene ya Berkeley Reafforestation Trustees***

TIST kiri batwi ni muradi jwa gutegerwa juria jwitaga ngugi kuthongomia miturirene na mbecene cia arimi baria bathiini, amwe na baita iria ciijanagia cia naria gututhiurukite, thiria ya mwiri na kithomone.

### ***Robert Delve, Mwathani kirira kiegie utumiri bwa into uria Munene - Urimi na Naria gututhiurukite, Catholic Relief Services***

Ja uria bwije, TIST mbele buru ni mubango jwa kunyiyia ruugo ruruthuku, gukurukira gwikira inya mibango ya uandi miti ndene ya miunda iminini ndene ya nthiguru yonthe. Bata yao mono ni kwaramia naria eene miunda iminini baritaga mbeba na nibaregete bongwa uandi miti ndene ya miunda iminene. Kinya kethira bubu nibutumite muradi jwagia uumo, nibutumite na nibugwita na mbele kua nja nkuruki ya ngiri makumi baita cia kimbeba antu a antu babakai baria barina miunda iminene. Untu bubu bwa gutegera ntuura inini nibu bwakuciirie metho ja CRS yatua gutethagiria TIST kimbeba ndene ya mibango yao ndene ya Kenya, Honduras na Nicaragua, na nitugwita na mbele kwona naria ngwataniro yetu yumba kwaramua igeta ndene ya ntuku ciijite.

Amwe na kuria niuntu bwa miti iria iri miundene iria iejaga ntuura baita, riri miti igukura, nibongagira mantu jangi kiri gikundi jaria jekagira

inya urimi bwa irio- mono Urimi bubwega na gwikira inya utumiri bwa mariko ja nkuu inkai- niuntu bwa kuthongomia ruugo na kunyiyia utumiri bwa nkuu.

Mantu jaja kiri o muntu jatitegagira mono kuongera imera na nyomoo, indi o uria mubango jukunenea, kwomba kwithirwa njira ikaritue cigukurukirwa ni nyomoo ikagitwa, amwe na kugwatithania tumiunda tutu tunini tukaa miunda iminene ikwonwa iri akui kugwatana. Nimbije ati rwaria ruria rurio thaa iji na atongeria ba miitu (Kenya Forestry Services) ruriegia gwitikiria ikundi bia TIST bianda na bimenyeera miti ndene ya mwitu jwa Mau nikenda kiumo kia nduuji iria nyingi gicokanirua na kimenyeerwa na imera na nyomoo iria ikaraga o ciingia.

Kuneneyia mantu jamathingi buuru na gwita na mbele kiri kuthuganiria miradi kana mibango ingi Gintu kimwe kiria giakucirie metho ja CRS yambiria ngwataniro na TIST ni weru kiri utegi bwa ngugi ikaa niyo yongwa iria iri kienine ndene ya TIST. Utumiri bwa into biria bigwitwa PDA na GPS gutara, kumenya nibu bungwa buri muundene na kujukia na kwonania aria miunda iri, uria ing'ana, eene na mithemba ya miti na weru na ntuti, niumbanite kiri thina iria nene buru mantune jaja, niuntu nwonaga ati miti irio na nigukura na nikumenyeerwa.

Niinyiyitie mantu jaria jomba kureta kuura kwa mbeba kiri baria batumirite mbeba ciao murandine CRS niyategera ngugi ya TIST mbele ya yambiria kuritanira ngugi nabo na njira yetu twingwa, o uria biuria biijaga rionthe- ibao? Bena untu bubu nkorone? Nibakwaria mma? Nibao bendagiria ruugo ruru? Na biuria bingi bibingi. Kwou gukurukithua ni CCB kuringi tethia TIST na arimi babaingi babanini baria itagira ngugi muthiene kwonania ati bari ngwataniro iikiri na iri na bata kiri witi nambele. Buringi kinya gwitikiria CRS kugaana nab aria batuejaga mbeba kwegia ngwataniro na TIST na weru na bwega nkuruki. Na ni mma o uria ruugo ruria TIST ikwendia rukaingia gukurukira gukurukithua, nou bagatumira mbeba iu kiri nja cia miunda iminini na nou baita kiri bon a kiri naria kubathiurukite ikangia.

CRS iri na kugwirua mono kuritanira ngugi na TIST ndene ya ngugi iji ya kuendia ruugo na gwithithia ntuura na mbele. Turingi taara imwe ya kambuni inyingi iria ikuthithia mantu ja jau ja TIST, indi nitugwiriritue ni igita riria bakarite ndene ya kumenyeera ruugo na kwendia, wendo bwao bwa kuritaniria ngui, na njira yao inthongi na irina weru.

***Betty Tembo, Murimi, Munini wa Mwene giti, Kiama kia Institute for Culture and Ecology, Mukamiti, Kanisa ya Methodist, Counsellor wa***



***kinja wa umenyeri bwa antu baria barina mukingo***

TIST nitutethetie gukurukira gutua nkuu. Nitugiitaga biang'i, tukaagiita miti iria iinyene na tukoona nkuu. Nituriagwa niuntu bwa miti yetu. Nitwonaga mpao cia gwaka nyomba cietu. Nandi tutitaga mwitune kugiita miti. Niturimaga na urimi bubwega na tukoona maciara jamega nkuruki. Nitutethanagia kuthuranira miunda ya urimi bubwega. Mboleo ya kuthithia twingwa na matigari ja muunda nigututethia kunyiyia utumiri bwa mbeba nontu tutiguraga fertiliser.

***Judith Kimathi Mumemba, Kiama kia Institute of Culture and Quality; Mwiki Mauku, kiama kia Maendeleo ya Wanawake, Municipality e Meru;***

TIST nibui niuntu miti iria mpandite niriagwa. Nimbonaga kinya baita ingi ta matunda. Urimi bubwega nibuntethetia kwingiyia iciara. Aturi bakwa nibagwiriritue TIST. TIST nitethetie ngwataniro ya ntuura niuntu nitwithagirwa twibangite ndene ya ikundi- bubu nibutethagia kuritanira ngugi amwe.

***Salome Mbabu, Muritani wa TIST, Gikundi kia Kepap Agriculture group***

Ningwataga TIST mbaru. Urimi bubwega nibwingiitie irio gukurukira moritani, kunyiyia mbeba cia kuthuranira na kurima gukurukira uritani bwegie mboleo ya kuthithia na imera biria bitigataraga muundene.

Naria gututhiurukite nikubui nkuruki kuuma TIST ikwambia ndene ya ntuura yetu.

***Hellen Gerald, Murimi wa TIST***

Nituandite miti na nituriagwa. Nitwonaga nkuu. Nandi nitutumagira miunda yetu bwega nkuruki. Nitukuritanwa kwegie mariko jatina toi na bubu nibututethagia kunyiyia nkuu na kwebera toi aria turugagira.

***Dickson Mutiso, Mwene giti, Masinga Dam Community Forest Association***

Ndi u mweru n anti mumemba. Ndina CFA na nimenyete kwegie TIST gukurukira gatheti. Mpumite Masinga Dam rutere rwa ruuji rwa ruuji rwa Tana. Ninkwenda jaria TIST ikuthithia na ndenda itonya ndene ya ntuura ekwa.

***Margaret Silas Mumemba, Kiama kia Institute for Culture and Ecology ;***

*Mumemba wa CFA, Mwituu jwa Lower Imenti*  
Mami wakwa niwe wambonerie TIST. Namigwataga mbaru nani ndeja kumienda. Nituriagwa na tukoona nkuu, urimi bubwega na mboleo ya matigari ja

munda. Maciara jaja nijamanene mono nkuruki ya ja urimi bwa tene.

Mariko jatina toi (Jiko Poa)- nijatethagia kumenyeera mathaa na toi- thiria injega ya mwiri.

***Esther Kamenwa, Murimi wa TIST***

Igitene, TIST niumbite gwitikua ni arimi o uria arimi bakuanda miti na bakariwa niuntu bwa miti iu yao. Nituumbaga gutumira tumiunda twetu tutunini bwega nkuruki. Micemanio ya o mweri ya cluster irina baita ya moritani kiri antu kwegie mantu jamaingi ta uandi imera biria bitiigagua uumo.

***Joshua Kimaita, Minista wa Kanisa, Methodist Church, Meru***

Nimpendete TIST niuntu nimbite taga micemanione ya cluster. Nimbikagirwa inya mono. Nimpendite miti ingi ndene ya munda jwakwa. Nitugitaga biangi bikaa nkuu. Nitunoretie muthetu jwetu na twatethia gucokia uandi bwa miti ya gintwire na iria irina baita inene ta Cordia africana. Nituritani urimi bubwega na bubu nibwingiitie maketha jetu. Nitumenyete mantu ja utongerua. Nituthomete kwegie uandi marigu ni arimi babanini. Nituritani kwegie mariko jati na toi. Nimbangite kugura rimwe ukui. Ntuura yakwa nikiri inya na irina wendo kiri TIST. Kurina wirigiro bwa baita inene igitene riraja ndene ya thoko ya ruugo. Nandi nimpndete TIST niuntu bwa jaria TIST ithithitie na igwita na mbele kuthithia.

***Joseph Kiogora, TIST Quantifier***

Nindatonyere TIST mwaka jwa 2006. Ningwataga mbaru TIST niuntu nintethetie kumenya gutongerua bwega. Bubunibuntethetie mantune jamaingi. Nandi ndi mutongerua utikiraga. Nindaankirwe ni TIST ta mutaria miti. Bubunibuntethetie kugwata nja yakwa kimbeba. Ninthomete mantu ja computa gukurukira TIST. Ningwiritue ati nandi nimbije mantu ja computa gukurukira TIST, na ndamenya mantu jamaingi ntikuriuwa. Ninthomete jangi kwegie miti- nandi nimbiji baita ya muti jwa gintwirwe gukurukira uritani. Nandi nituandaga miti ya gintwire imingi Nimbonete baita kinya kuumania na kiriko gia TIST kia nkuu inkai. Bubunibuntethetie kunyiyia mbeba iria ntumagira kiri nkuu na bwantethia gwika miti yakwa mwoyo

Gukurukira TIST, ninkaraniritie na antu kuumania na guntu mwanya na bubu niburetete kweleanwa na kuumaniriria na antu bangi.

**Help wanted contact persons:**  
**Susan Kinanu - 0711 - 721 219**  
**Purity Mugo - 0724 - 119 815**  
**Mary Kathei - 0726 - 283 425**



## Gwateni mbaru atari miti benu.

Arimi ba TIST bar indene ya thoko ya ruugo. Nibariagwa niuntu bwa o muti kuumania na mbeca iria ikeja kugwatwa ruugo rwendua. Njira iria yonka ruugo ruru rumba kwendua nikwithirwa turina uteri miti bwa iria yongwa iri muundene uria ing'ana, ithiria gutarwa yonthe na igitaragwa o igita o igita. Twinthe nitugwitia gutethia mutari miti nikenda athithia ngugi yawe bwega nkuruki!

Kuibangania gwa TIST kwa utongereria kwa ruua nandi nigugwitia mutari miti umwe atara miti ndene ya cluster iijiri gwita inya iria ciri akui. Bubu nibutethagia kunyiyia guta mathaa riria agwita miundene amwe na kunyiyia garama iria Atari miti baratmagira riria baretaga cluster inyingi na cia kuraaja. Antu baberu bariikia kuritanwa, mutari miti wenu akauma kiri imwe ya cluster iria ciri akui nagwe.

Mwambirione jwa ngugi yao, mutari miti atithagirwa aiji amemba ba ikundi bibinini kana naria miunda iri. Cluster yaku itikwenda bajukia igita ririnene bagicwaga amemba. Atongereria ba cluster yaku nibabati kubangira uria mumemba umwe mono umwe wa atongereria o bau, uria wiji naria ikundi bibinini biri, etanie na mutari miti na amutethie gutarira ikundi bibinini ndene ya cluster yaku miti ntuti na bwega.

Thina ingi ni aria mutari miti aigagua ating'aniri kuthiuruka miunda iria irina miti iminene mono. Nukwenda batikagitarue bar indene ya cluster yenu! Atari miti batibati gwita ngugi antu aria bakwigua no bagitarue. Kwou, rekeni atongereria benu babangire uteri miti nikenda mutari miti

ethirwa etenie na muntu ungi nikenda atikeja kwija kugitarua

Kwou, atongereria ba cluster, ndene ya mucemanio jou jungi jwa cluster, itu aririeni uria cluster ikagwata mbaru Atari miti igitene ria uteri miti. No buuge ni antu kana ntuura iriku cigatarirua miti igita rina na muntu kana antu baria bagetania na mutari miti. Riu bue nthumba injega gatigati kenu-ritira mutari miti ngugi nikenda agwitira.

Cluster imwe niciithiritwe igitaga ngugi injega mono kiri gutetheria Atari miti. Nitureteri ripoti injega kuuma kiri cluster iji:

1. Kirua ( Mary Mathani)
2. Maritati (Nicholas Kirimi)
3. Salama ( Rosemary Mwego)
4. Pondo (Agnes Wambui)
5. Raicheri Podo (Julius Waweru)
6. Runyenye (Bernard Kinyua)
7. Thiira (Mbaabu)
8. Kiegori (Prisila Mukethi)
9. Kawiru MCK ( Elizabeth Nkio)
10. Antubochio (Milicent Wambogo )
11. Silimon ( Stephen Kirinya)

Kethira cluster yenu nithiritwe igitethagiria Atari miti na itiugi aja, ringira Emelda Kigetu 0727 992040 na tukomba kubwikira ndene ya gatheti ya Mazingira Bora iu ingi. Riria cluster yaku ikarikia mubango jwa gutetheria Atari miti, kairi ringira Emelda na umwire uria bubangite.

*Ririkana: UTERI MITI BUBWEGA NI UMWE NA RUUGO RURWINGI NA NO UMWE NA KURIWA MBECA INJEGA!*

## USAID nigwatite mbaru mubango jwa uandi bwa miti ya gintwire nkuruki.

USAID ni kambuni iria irina ngwataniro na TIST iria itikirithie gutethia arimi ba TIST kiri uandi bwa miti ya gintwire. Kinya kethira miti ya gintwire itijukagia ruugo ruruthuku nkuruki ya miti ingi, kuanda na kumenyeera miti ya gintwire irina bata kiri kubua, gukara igita na thiria ya miunda na miitu yetu. USAID nitutethagia kwona mbeca cia kuria miti ya gintwire iria iandi nterene cia nduuji. Ikundi nibirikithie gutarirwa gukurukira ngugi yao inene, na bakona mbeca iji ciongeri bakiriwa riu ringi.

Na kithomo kiria tuthomete kuumania na murandi juju jwa kwambia, nitugwaita ngugi kwa arimi mbeca cia mpongeri, iria ikabekira moyo gwikira bangi moyo jwa kuanda miti ya gintwire na kwona baita cia miti iji miundene yao bongwa.

Burin a bata kumenya ati mbeca iji cia

mpongeria cirio nandi nontu USAID nigututethia. Tija mbeca cia miti ingi iria ciumaga twendia ruugo na kwou ikeja mwanka nkuruki ya miaka mirongo ithatu, niuntu mbeca iji cia USAID ni cia igita ririkai na igetania na mbeca iria tukuewa kuuma oome. Thaa iji, nituetwe mbeca cia kugwata murandi juju jwa uandi miti ya gintwire nterene cia nduuji mwanka mwaka jwa 2013. Tukageria mono gucua mbeca ingi nikenda tuumba gwika kuejana mbeca iji igitene ririraja nkuruki.

Geria kuanda miti ya gintwire narua! Tega miitu iria irina miti mithemba imingi akui nagwe, na uurie aturi baku na bang indene ya cluster kwegie miti ya gintwire iria ikuraga bwega akui nagwe. Miti ja Acacia, Podocarpus, Waterberry, Prunus na muuru, Fig na ingi imingi yonthe iri baita kiri baria bamiandaga.



## **Baruga kiri TIST-Atari miti ndene ya Kenya- gucokia nkatho niuntu bwa gukuruka gutegerwa ngugi na gukurukithua.**

*Ni Charles E. Williams, CAAC Vice President*

Baruga iji ni kubucokeria bwinthe nkatho niuntu bwa ngugi inyingi na kanya karia butumagira kiri TIST

Ja uria bwije, TIST niyathithirue kuthongomia naria gututhiurukite gukurukira kuanda miti na gutumira ruugo rurui rwiki mutine ja njira injeru ya arimi baria bariku kwona mbeba. Kugarura ruugo ruruthuku rukaa mbeba ni ngugi injumu na kuambiri muradi jwa arimi nkuruki ya ngiri mironko itano ni gukuumu nkuruki. Indi-ri, batwi ndene ya TIST nituturaga twitikitie bwathithika, indi nitwendaga into biria bibati. Njira ya TIST ya kumenya uria mantu jagwita na mbele yari kimwe kia icokio, indi into na computa ti gintu, antu bena umenyo bwa kubitumira batio.

Ja mutari miti wa TIST, nwithiritwe ukimenyaga ati mantu jaria ukujukia muundene niuntu bwa thoko ya nthiguru yonthe ya ruugo nijajukitue. Nibujukitie ntuku inyingi cia gwita, kuthoma gutumira Palm na GPS kujukia miunda, kumenya mithemba ya miti nkuruki ya igana na gutara miti ikaa iria yongwa iri miundene. Jaja jonthe nijombikite mwaka muthiru, niuntu nitwanenkanire ripoti ya mbele ya muradi jwetu mantune jaria ibati ja Verified Carbon Standards (VCS) na Climate, Community

and Biodiversity Standard (CCB). Miunda iria yujuritie jaria jonthe ibati niyonka yekirwe kiri ripoti iji. Ndina kugwiruakuuga ati miunda yenu niyombanire kiri gutegwa ngugi gukunene.

Riria baria bejite gutega ngugi bejire Decemba mwaka muthiru, gutega ngugi miundene, nibejire kwona TIST yegie mbi. Antu a gutega miitu ya tene, niboonaga miti imieru iandi itarenie ndene ya muunda. Bataithuranirite bubu, kwou nibatigire into biria bitumagirwa miitune ya tene na njira cia gutega mantu na bacwaa njira ingi ya kumenya ati miunda niyojuritie uria ibati. Riria baugire nibakuthuura muti muthemba jumwe aki na miti yonthe ya muthemba jou mwakene na batara miti iu aki, indonere jaka mantu jomba kuthuka. Bubu nibwejite gwikira ngugi ya Atari miti betu kiri kigerio gikiumo mono!

- Indi ugwe nab aria bwaritaniaria ngugi nabo ibwombanire. Butiambite kwirwa, nibwombire gwita miundene, kwona miti iria bwabati na kwonania uteri miti bwa iguru mono buria TIST ithagirwa iikirite. Kuumania na bou, mweri jwa itano mwaka juju, nitwaere murandi jwa mbele ndene ya nthiguru yonthe gukurukithua kiri into biiri o rimwe tabio VCS na CCB.

Burina nkatho ciakwa kuuma nkorone. Nibwathithirie ngugi injega!

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## **TIST nigukabana na kugwaa kwa shilingi ya Kenya iteganiritue na dollar ya nthiguru ya America - Morei ja miti nijagaruritwe.**

Shilingi ya Kenya niagite inya yateganirua na mbeba cia nthiguru ingi. Jaria maingi uguri bwa into na mantu nibwitite iguru. TIST niambiritie kugeria gukabana na jaja gukurukira kugarura marii ja miti nikenda untu bubu bwitania na uguri bwa shilingi e Kenya na mbeba cia nthiguru ingi. TIST niriaga mbeba cia nthiguru ya America mang'ontore jairi o muti, kiri miti iria itari o mwaka.

Ndene ya mwaka jwa 2005, riria TIST yaambirie, uguri bwa dollar ya America bwari shilingi cia Kenya mironko mugwanja na ithano. Na ugaruri bou, mang'ontore jau jairi ja America nijaejaga mbeba cia Kenya shilingi imwe na cumuni

Narua, dollar imwe irigurwa na mbeba cia Kenya gatigati ka mironko inana na inana gwita mironko kenda na ijiiri. TIST nikujukia dollar iri shilingi cia Kenya mironko kenda. Kwou, mbeba cia miti ikagarurwa kuuma shilingi imwe na cumuni gwita shilingi imwe na mang'ontore janana.

Rikana, uguri bwa mbeba nibugaruka o igita. Riria bukagaruka kairi au kabele, TIST ikageria gukabana o ta uju.

Rikana, kujukia baita iria nyingi, burin a bata gwita na mbele kuanda miti ingi. O uria miti iria waandite na iri moyo ikwingia, itarenie uria ibati nkuruki ya metre ijiri, nou mbeba iria ikona na baita kuumania na into bingi bia miti ikaingia.





## TIST: Baita cia kuanda miti kiri naria gututhiurukite.

Ndene ya TIST, nituandaga miti nikenda twita thokone ya ruugo na twona mbeba kuumania na ruugo ruru. Indi-ri, baita ingi cia miti niinene! Aja ni baita inkai iria batwi (na antu bangi nthigurune) twonaga:

- Miti ni antu a gukara, aria nyomoo na imera bibingi bikaraga. Niejaga antu ati na ugua kiri nyomoo cia kithaka amwe na kuciaa irio. Kuanda miti ni untu bwa gitumi kiri kuthongomia ruugo na kunyiyia kuthukua kwa naria gututhiurukite. Miti niitaga ruugo ruruthuku rwa carbon na rungi kuuma factory amwe na rwa Sulphur na rwa Nitrogen. Antu a ruugo ruru nituejaga ruugo rurwega rugwitwa Oxygen nikenda tutuura.
- Kuanda miti nikwaramagia mithemba ya imera na nyomoo iria cirio.
- Gutegeka kwa muunda ni kubujaga nkuruki gukurukira kuanda miti iria inthongomagia miturire. Miti nithongomagia nthi na kuthongomia naria gututhiurukite.
- Miti nithithagia rera gukurukira kunyiyia kana kwingiyia riua, ruugo na mbura. No itethie kuthiria mbura inyingi, kumomoka kwa nthi na kuthukua kwa into ni ruugo.

- Miti ninyiagia gukamatwa kwa muthetu, niuntu nigwataga muthetu nthiguru na miri, muthetu juria juringi kamatwa ni mbura na ruugo. Miti kinya nitethagia kuingiyia unoru bwa muunda. Muthetu jumunoru nijuretaga biria bibati kiri irio, untu buria butumaga thiria ya mutu ya injega.
- Miti ninyiagia gituma. Gituma nokinyiwe, antu a nene, gukurukira kuanda miti ingi na ingi.
- Kuanda miti nigutethagia kumenyeera ruuji rwaingia bwega. Miti kinya ninyiagia mantu jaria mbura inyingi yumba gutuma, gukurukira gwitikiria ruuji rwa mbura rutonya muthetune, antua rukamatwa iguru ria muthetu.
- Ruuji rurwega ruria rwendagwa nainya norwoneke gukurukira kuanda miti ya gintwire. Miitu na imera nibikunikaga nthi kwou ruuji rugeeta mpari kwou rukathira ruuko. Rwarikia gwitwa ruuko ruuji nirutonyaga nthi rukojuria itangi biria biri nthi na naria nyomoo cia ruuji ikaraga. Kwongera, miti nirigagiria ruuji kuungana na rwa iria ruria ruri na cumbi. Bubu ni untu bwa gutethia mono, niuntu ruuji rwa cumbi nirujukagia kagita gakaingi nkuruki gucoka ruujine rutina cumbi.

## Tiga mugambo jwaku jwigike utethie TIST ibue nkuruki! Nandi ni igita ria kuthuranira kuthuura antu ba kuburungamira utongeriene.

TIST niu? Ni batwi! Turi babaramu, turi na nkuruki ya cluster igana akui na murima Kenya, Mbeere, Mara na kinya Mau. O uria tugwita tugikuraga, nitukwenda kumenyeera ati migambo na mathuganio jetu jamaingi na jari mwanya nijakwigika. Riria ekuru na akuru, babakuru na babanake, kuuma guntu mwanya bakagaana mathuganio jao, no tuthongomia TIST nkuruki na nkuruki nikenda yumba kuritira arimi ba TIST ndene ya Kenya bonthe ngugi.

Nandi ni igita riaku ria kwithirwa ukiaragia ndene ya cluster yaku kuthuura uria ukagaa migambo yenu ta murungamiri wenu kiri gikundi gia cluster inyingi bwega nkuruki.

Gikundi gia cluster inyingi ni cluster ijiri gwita inya iria cikuianiritie nainya bung'ani kugaana iinto bia utari miti na uritani. Mweri ja ikumi na jumwe tariki ikumi na ithano igikinya, o gikundi gia cluster gikathuura mubarungamiri ndene ya kiuthurani kia GOC. Arungamiri baba batithirwa bari atongerira ba cluster, kana Atari miti, kana ategi ngugi. Indi, bakethirwa bari arungamiri athure baria bagaita ngugi mweri itantatu. O cluster ikathuura mukuru na mwekuru umwe, na arungamiri baba

bana gwita banana bagatua gutirimanaga o mweri.

Twakarakara, o kiuthurano kia GOC gigataara muntu murume umwe na muka umwe kuuma cluster mwanya kurungamiri area yao kiuthuranone kia Region. Kiuthurano giki nakio gikethirwa kirina amemba batantatu gwita mirongo iiri na inya kuringana na ni cluster kana ikundi bia cluster bing'ana biri ndene ya Region. Kiuthurano giki gigatirimanaga rimwe mweri. O kiuthurano kia Region gikathuura muntu murume umwe na muka kurita ngugi ndene ya kiuthurano kia utongerira ba TIST. Kiuthurano giki kia LC gigatirimanaga rimwe o mweri na arungamiri ba amemba

Njira iji njeru ni itagaria ririna bata mono kiri guciatha, nikenda mantu ja muradi jwa TIST jaria jarairua ndene ya cluster jomba gukurukira biuthurano biu bionthe ntuti. O itagariene, mantu jakoombakwarirua na njira cia kujathiria cikaenja.

Nikenda tua babega nkuruki, nitugwitia airtiri betu baria bega buru. Aririeni ndene ya cluster cienu uria bwenda aburungamira kiri gikundi gia cluster inyingi. Ni kanya gakanene ga kuthoma na kuthithia mwanya ndene ya cluster yaku na TIST yonthe.

# Mazingira Bora



# TIST

The International Small Group & Tree Planting Program  
www.tist.org

**Kikuyu Version**

An Environmental, Sustainable  
Development and Community Forestry  
Program.



**Amemba a Cluster ya Mitheru mari mucemano-ini wao wa Cluster wa o mweri.**

## ***Inside:***

*Uria aria angi marauga uhoro wigii TIST. Page 2*

*Uria Cluster yangu yagiriirwo ni kunyitanira na Quantifiers! Page 4*

*USAID kuheana utithio munenanene kuri mutaratara wa uhandi wa miti yak i-nduire wa TIST. Page 4*

*Marua ma muingi kuri TIST – Atari a miti – ngatho niundu wa kwigwatira validation na verification. Page 5*

*TIST niitwaranite na kwaga hinya gwa shilingi hari dollar ya America – marihi ma miti nimongereirwo. Page 5*

*TIST: mawega ma kuhanda miti hari maria maturigiciirie. Page 6*

*Reke mugambo waku uiguikane na teithiria TIST ikure wega. Ni hindi ya kwihariria ithurano cia council representatives. Page 6*



## Uria aria angi marauga uhoro wigii TIST.

Thiini wa TIST, twayaga makinya makwoneka kuri andu othe. Tuhandaga miti. Tukahuthira riikoria kuhuthira hinya munini. Tumenyagirira na gucokereria njuui kuhitukira uhandi wa miti ya kinduire na iria yagiriire. Riria andu mamenya na mona uria twikaga mokaga na makaingira TIST mari aingi na TIST ikaneneha. Reke tuthii na-mbere kuruta wira na kio niguu kugia na maumirira mega! Maya nimo maria andu marauga uhoro wigii TIST.

### **Anthony King, Executive Director, Laikipia Wildlife Forum Ltd.**

Laikipia Wildlife Forum ni gikundi kia andu gia kugitira na kumanyerera maria maturigiciirie. TIST ikoretwo iri memba wa LWF gwa kahinda ka miaka miingi na turi hamwe nitukoretwo tugiteithirira arimi anini guthondeka ithaka nene. TIST niikinyirite kundu kuingi kuria turutaga wira, kuhurana na mathina maria monekaga hari uthomithania wa uhandi wa miti migunda-ini.

### **Rodney Portman, Chair, Berkeley Reafforestation Trustees**

Mawoni maitu ni ati TIST ni mutaratara urutaga wira wa kwagirithia miturire ya arimi na mawega mangi ma maria maturigiciirie ohamwe na ugima wa mwiri na githomo.

### **Robert Delve, Senior Technical Advisor - Agriculture and Environment, Catholic Relief Services**

Ota uria muui, TIST wa mbere ni mutaratara wa gutheria riera, kuhitukira githomo kia uhandi wa miti migunda-ini thi yothe. Wambere ni kunenehia woni wa mbeba kuri arimi na nimethemete na uhandi miti utarahutania na arimi anini. Ona njira ino iri nditu kuri mutaratara uyu, niuteithitie arimi aingi ki-mbeba handu ha itonga nini iria iri na migunda minene. Njira ino ya kurora arimi anini niyo yaguciriirie CRS kunyitanira na TIST guku Kenya, Honduras na Nicaragua na nituguthiii na-mbere tukionaga uria unyitaniri witu ungingacira na unenehe.

Ona makiria ma kuriha miti iria iri muoyo iria iteithagia arimi riria irakura, nimateithagia arimi kunyitana thiini wa ikundi na urimi – na muno Kilimo Hai na uhuthiri wa rioko ritarahuthira hinya muingi

niguu kunyihia utemi wa miti.

Maundu maya matirarora kwongerera Biodiversity na njira ingi na mutaratara wathii na-mbere na gukura na kugia na andu aingi, nihari na njira ya kugia na handu hagitire ha kuhitukirwo ni nyamu ohamwe na kunyitithania tukundi tunini twacio na gututua giikaro kinene. Ninjui ati miario iria irathii na-mberena Kenya Forest Services niyakuhotithia TIST kuhanda miti mutituini wa Mau niguu gucokereria miti na kugitira kihuma kinene kia maai thiini wa Kenya na kuogerera biodiversity.

- Kugaciria wagiriru na guthondeka mitaratara miega.

Undu umwe uria waguciriirie CRS hari unyitaniri uyu niutheri hari certification na auditing thiini wa TIST. Uhuthiri wa PDA na GPS gutara na kumenya muigana naharia muti uri ohamwe na kumenya mwene muti na njira ya utheri naya na-ihanya na ihuranite na mathina maria manene gicigoini giki na gugakura na kumenyererwo na njira njega.

- Kunyihia mogwati kuri onjoria.

CRS niyekire audit kuri TIST mbere ya twambiriirie kurutithania wira kuhitukira njira iitu ya audit na kiuria kiria kimwe ni ati –TIST nio ma? Nimehariirie? Nomehokwo? Mendagia carbon yao kuri uu? etc. tondu CCB niiguteithia TIST na ngiri nyingi cia arimi anini aria marutagira wira, kwonania ati nimatiikite na ni anyitaniri a bata. Ona kwagirithia na njira ya utheri na ya gwitikirika unyitaniri na aria matuheaga uteithio nanima ati o carbon nyingi iria TIST ikwendia iri njitikiriku, nguo maguteithia murimi munini na maria maturigiciirie.

CRS niikenete nikurutithania wira na TIST, thiini wa wira uyu kuriha carbon na kwagirithia miturire ya arimi. Nitungiethire andu angi marutaga wira ota uyu n nitwakenirio ni wira wao na kuruta wira na utheri hari unyitaniri na njira yao iria njitikiriku.

### **Betty Tembo, Farmer, Vice chairlady, Institute for Culture and Ecology, Committee member, Methodist Church, Home-based care counselor on HIV/AIDS**

TIST niuteithitie na ngu. Tuhururaga miti iitu na tukegira na ngu na tukarihwo miti iria tuhandite. Nitugiaga na mbau ciagwaka nyumba ciitu. Tutithiaga mutitu gutema miti ringi.

Turimaga urimi wa Kilimo Hai na tukagia na





magetha maingi. Nituteithanagia hari kuhariria mugunda wa Kilimo Hai. Thumu wa mugunda niututeithagia kunyihia thogora wa kurima tondu tutihuthagira fertilizer ya duka.

**Judith Kimathi Member,  
Institute of Culture and Quality; Secretary,  
Maendeleo ya Wanawake, Meru Municipality;**

TIST ninjega tondu o hari muti ndahanda nindihagwo. Ningiaga na mawega mangi kuma kuri miti ya matunda. Kilimo Hai nikingoreire magetha. Aria turiganitie nimakenetio ni TIST. TIST niikirite unyitani mwega tondu tukoragwo turi thiini wa ikundi na cigatuteithia kuruta wira turi hamwe.

**Salome Mbabu, TIST Trainer, Kepap Agriculture group.**

Ninyitite TIST mbaru. Kilimo Hai niyongoreire irio na njira ya githomo, kunyihia thogora wa urimi na njira ya kuhuthira thumu.

Maria maturigicirie nimagiritio kuma TIST yambiriria wira guuku.

**Hellen Gerald, TIST Farmer.**

Twahandire miti na tukigia na marihi. Nitugiaga ngu. Nituhuthagira migunda iitu na njira njega. Niturathomithio urugi mutheru tukihuthira riiko ritarahuthira mwaki muingi na kwa uguo kunyihia ndogo na utemi wa miti.

**Dickson Mutiso, Chairman, Masinga Dam Community Forest Association**

Ndimweru na ndiri mumemba. Ndi na CFA na ngathoma uhoro wigii TIST ngathiti-ini. Nyumite Masinga Dam ruui-ini rwa Tana

Nigenetio ni uria TIST iikite na nonyende ikinye guuku gwitu.

**Margaret Silas Member, Institute for Culture and Ecology ;**

*CFA member, Lower Imenti forest*

Maitu niwe wanyigiririe TIST. Niaminyitite mbaru nginya ona nii ngimienda. Nituamukagira marihina tukagia na ngu, Kilimo Hai hamwe na thumu. Na tukagia na magetha maita meeri. TIST niyagirithitie miturire iitu.

Riiko itheru (jiko poa) - nirateithagia guthara mahinda na ritirutaga ndogo kwa uguo kwagirithia ugima wa miiri.

**Esther Kamenwa, TIST Farmer**

O uria turathii, TIST niyamukirite umiriru hmwe na kwihokeka o uria arimi marathii na-mbere kuhanda miti na kwamukira marihi. Niturahuthira migunda iitu minini na njira njega. Micemanio ya o mweri ya cluster niiteithitie na githomo kia uhandi wa miti kuria gutamukagira mbura nyingi.

**Joshua Kimaita, Church Minister, Methodist Church, Meru**

Ninyendete TIST tondu riria ndathii micemanio ya cluster, ningiaga na hinya wa guthii na mbere. Nihandite miti ingi mingi mugunda-ini wakwa. Nituhururaga miti niguo tugie na ngu. Nituongoreire unoru tiiri-ini, na tugacokerera uhandi wa miti yaki-nduire naya bata ta Cordia Africana. Nituthomithio uhoro wa Kilimo Hai na kwongerera magetha maitu. Nithomete utongoria. Nituthomete uhandi wa marigu ma urimi munini. Nituthomithio uhuthiri wa riiko. Na ningugura rimwe ihinda ritari inene. Andu aitu nimagite na hinya na kwiyendera thiini wa TIST. Nihari na mwihoko hari mawega ma gutura hari wendia wa carbon. Ningenetio ni TIST niundu wa ria ikite na irathii na-mbere na gwika.

**Joseph Kiogora, TIST Quantifier**

Ndaingirire TIST mwaka-ini wa 2006. Nyitaga tist mbaru tondu nihotithitie kugia na uhoti wa utongoria. Undu uyu niuhotithitie gutungatira andu kundu kuingi. Na riu ndi mutongoria njamba. Nidagiiire wira wa kungania uhoro na gutara miti thiini wa TIST. Undu ucio niundeithagia guteithia family yakwa ki-mbeca. Nindathomire mitambo ya computer kuhitukira TIST. Nindirakena tondu no hote kuhuthira computer niundu wa TIST, ndamukirire githomo giki itakuriha ona kina ngathoma makiria uhoro wigii miti – riiu ninyendete miti ya ki-nduire kuhitukira githomo na riu nituhandaga miti ino ya ki-nduire.

Nindeithikite na riiko ria kuhuthira hinya munini ria TIST. Nigoretwo ngihuthira ngu nini nan gaga gutema miti miingi.

Kuhitukira TIST, nindutithanitie wira na andu aingi na uhoro ucio kunyita andu o uria mari othe.

**Help wanted contact persons:  
Susan Kinanu - 0711 - 721 219  
Purity Mugo - 0724 - 119 815  
Mary Kathei - 0726 - 283 425**



## Uria Cluster yangu yagiriirwo ni kunyitanira na Quantifiers!

Arimi a TIST mari biashara-ini ya wonjorithia wa riera ria Carbon. Arimi aya marihagwo mbeba hari o muti wothe watarwo. Nigetha wonjorithia wa carbon uhanike, no nginya miti ikorwo gitarwo na njira ya wama, nungaru and njira njega. Ithuothe nitubataire Atari a miti (Quantifiers) makorwo makiruta wira wega.

Ugaruruku uria okoretwo thiini wa TIST matuku-ini maya ni ati quantifier umwe arikoragwo agitara miti thii-inii wa cluters igiri nginya inya. Ugaruruku uyu niuteithitie kunyihia ngarama ya thabari na hamwe kunyihia uteangi wa mathaa. Ouria tugithii na guthomithia andu, nitugokorwo na quantifier hakuhi na cluster.

Mahinda-ini maya Quantifiers mararuta wira mari oiki, aingi ao matiri maramenya amemba aa ikundi kana nginya kuria mahandite miiti. Nima ati ndungienda ati quantifiers matiyangage mathaa mao magiciraria kuria members mari. Atongoria a cluster yanyu nimagiriirwo nigukorwo na mibango miega na gutigirira kwina mundu uria urikoragwo akionia Quantifiers migunda ya amemba nigetha mahhote gutaara miiti na ihenya na nanjira njega mataguteyanga mathaa.

Thiina ungi ni ati Quantifier no akorwo na guoya riria aratara miti iria riu ituikite mutitu. Niwendi waku ati quantifier uria uritaraga miiti cluster-ini yanyu niarirutaga wira Atari na guoya wa ugwati uriku kana uriku. koguo, nikwagiriire ati atongoria a Clsuter yanyu makibanga gutigirira ati quantifier ni arikoragwo na mundu nigetha ugitiri

wake ndukahotome.

Koguo, ataongoria anyu a Cluster, nimagiriirwo mucemani0-ini wa o mweri uguka, materete na inyui uria Cluster yanyu irikoragwo ikirututhania wira na Quantifiers niundu wa itumi icio twaririria hau kabere. No mubange uria Quantifier marirutaga wira na gucerera itura o itura na mundu uria urikoragwo akimateithiriria.

Kuuri na Clusters ikoretwo ikiruta wira mwega hari guteithania na Quantifiers na nicio ici;

1. Kirua ( Mary Mathani)
2. Maritati (Nicholas Kirimi)
3. Salama ( Rosemary Mwago)
4. Pondo (Agnes Wambui)
5. Raicheri Podo (Julius Waweru)
6. Runyenye (Bernard Kinyua)
7. Thiira (Mbaabu)
8. Kiegoi (Prisila Mukethi)
9. Kawiru MCK ( Elizabeth Nkio)
10. Antubochio (Milicent Wambogo )
11. Silimon ( Stephen Kirinya)

Angikorwo Cluster yanyu niikoretwo igiteithania na Quantifiers na tinyandike haha, hurira thimu Emelda Kigetu 0727 992040 nigetha mweri uguka tukamwandika ngathiti- ini ino onainyui. Angikorwo nimugokorwo na mibango ya kunyitiririra quantifiers wira – ini wanyu, huriria Emelda na umumenyithia mibango yanyu igukorwo ihana atia.

*Ririkana: Utari mwega wa miti ukurehe tani nyingi cia carbon na urehe marihi mega.*

## USAID kuheana utithio munenanene kuri mutaratara wa uhandi wa miti yak i-nduire wa TIST.

USAID, muruna woma wa TIST niitikirite guteithiriria arimi a TIST hari uhandi wa miti ya i-nduire. Ona angikorwo uhandi wa miti yaki-nduire nduri na umithio makiria ma kwedia carbon, ni wa bata hari utonga wa kimerera, na utonga wa migunda iitu na mititu. Uteithio wa USAID niututeithitie kwongerera maundu maria tuheaga arimi mahanda miti yak i-nduire kuria gutaaraga muno. Ikundi niciitikirikite kwamukira mawega maya kuhitukira wira munene n anicikwamukira mbeba nyingaingi.

Githomo-ini giki, nituhomete kumana na mutaratara wa kugerio, niturenda kugia na maundu magi tungihee arimi niguo kumomiriria kuhanda miti ino yak i-nduire na mone mawega migunda-ini yao. Hari bata kumenya ati mawega maya maroneka niundu wa uteithio wa USAID.

Tiga urihi wa miti, uria umanaga na wendia wa carbon naugukorwo kuo gwa kahinda gatanyihire miaka 30, mawega ma kuhanda miti ya ki-nduire ni wa kahinda kanini na umandaga na uteithio. Gwa kahinda gaka nitwamukirite uteithio niundu wa kuhanda miti nginya mwaka wa 2013. Nitukwona kana nitukwamukira uteithio niguo tuhe arimi aingi gwa kahinda kanene.

Geria kuhanda miti ya ki-nduire umuthi! Roar mititu iria igukuhiriire na uriririe miti iria ingikura wega kwanyu. Acacia, Podocarpus, Waterberrry, Prunus, Cordia Africana, Figs na Magana mangi maingi ma mithemba ya miti niikorago na mawega kuri aria ma mihanda.



# **Marua ma muingi kuri TIST – Atari a miti – ngatho niundu wa kwigwatira validation na verification.**

*Mwandiki; Charles E. Williams, CAAC Vice President.*

Marua maya ni ma kumucokeria ngatho ni wira wanyu munene na wa kwirutira kuri TIST.

Ota uria muui, TIST yambiriirio iri ya kwagirithia maria maturigiciirie hamwe na kuhuthira carbon iria ikoragwo miti-ini kwongerera na kwagirithia miturire ya arimi. Gutua carbon mbeba tikaundu kahuthu na kari mathina makokaria kahuthagira arimi 50,000. Ona kuri o uguo, ithui TIST twitikitie nouhoteteke no niturabatara indo njega. Monitoring System nimo macokio, no indo cia system ino na computer citingiruta wira hatari na andu.

Ta mutari wa miti, uri na uigiririki wa kungania uhoro uria urabatarania ni thoko yak imabururi. Nikubataraga thabari nyingi, guthoma kuhutthira mitambo ino ya palm na GPS, kwoya uhoro uria wagiriire, gukurana miti makiria ma mithemba 100 na kugia na mathabu makinyaniru. Maya mothe mari hamwe miaka iyo mithiru, riria twaneanaga document iitu ya mbere thhini wa

Verified Carbon Standard(VCS) na Climate Community and Biodiversity Standards(CCB). No miti iria itikirikite ni TIST yekirirwo ho. Ningenete nikwona ati miti miingi yanyu nyahitukirie ikiro ici.

Riria Validators /Verifiers mokire mweri wa December mwaka muthiru, niguu meke audit, nimagiire na kiria TIST iri. Handu hakurora mititu mikuru, makorire miti mieru iri migunda-ini. Matietagirira uu na nonginya mangiatiganiirie indo ciao cia mititu mikuru niguu mahote ku audit miti ya mugunda. Riria maugire makwoya muthemba wa muti na mwaka na mamitare nindamakire tondu huro ucio niwakuonania uigiririku na utheri na ukinyaniru wa Atari a miti.

No inyuii na aria angi nimwahotanire. Mutari na gukanio mbere, nimwahotire kwonania uigiririku uria wagiriire. Niundu wa uguo, mweri-ini wa May mwaka uyu niithui a mbere thiini wa thi kwamukira Certification maita meeri rungu rwa VCS na CCB. Amukirai ngatho ciakwa kuma ngoro-ini.

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## **TIST niitwaranite na kwaga hinya gwa shilingi hari dollar ya America – marihi ma miti nimongereirwo.**

Shilingi ya Kenya niyagite hinya kuri mbeba ingi cia thi. Na kwa njira nyingi indo nyingi nicigite goro. TIST niyamukirite uhoro uyu na kwongerra marihi na kuheana indo ingi. TIST irihaga 2 US cent(\$0.02) hari o muti iria iri muoyo namitare o mwaka. Mwaka-ini wa 2005, riria TIST yambiriirie, shilingi ya Kenya yacenjanagio na 75.00 o hari dollar ime ya USA. Ta uguo, miti yarihagwo na Ksh 1.50 cts.

Umuthi shilingi iracenjanio na 88-92 o hari dollar. TIST iracenjia na 90 o hari dollar na kwa

uguo marihi makongerereka kuma 1.50 – 1.80.

Ririkana ati muigana uyu wa gucenjania noucenjia na mahinda. Na wacenjia TIST iricenjia nuguu.

Ririkana, niguu wamukire mawega no muhaka uthii na-mbere kuhanda miti. O uria wahanda miti miingi na yaikara muoyo, iri na utaganu uria wagiriire wa 2m guthii na iguri noguo ukugia na marihi maingi na ugie na mawega mangi kuma miti-ini ino.





## TIST: mawega ma kuhanda miti hari maria maturigiciirie.

Thiini wa TIST, tuhandaga miti niguu tuhote gukorwo thoko-ini ya carbon na tugie na mbeba nyingi. Ona kuri o uguo, mawega mangi ni manene! Haha ni mamwe ma mawega maya.

- Miti ni nyumba ya kimerera kuri mahua na nyamu. Niiheanaga ugitiri kuri nyamu o hamwe na kuheana ngu kuri andu hamwe na matunda.
- Uhandi wa miti ni wa bata hari kuongererawagiriru wa riera. Miti niinina carbon na indo ingi cia guthukia riera ta sulphur dioxide, Ozone na Nitroge Oxide. Na igatuhe Oxgen iria ibatarikanaga hari gutura kwa indo na andu.
- Uhandi wa miti niwagirithagia Biodiversity.

- Migunda niyagiraga niundu wa kuhanda miti na guthondeka tiiri o hamwe na guthakaria migunda.
- Miti niigananaga riera kuhitukira kunyihia hinya wa riuu, ruhuho na mbura. No igitire gukuo gwa tiiri ni maai.
- Miti niigitagira tiiri kumana na maai kuhitukira miri yayo. Miti niyongagirira unoru tiiri-ini.
- Miti niinyihanyihagia inegene.
- Kugia na maai matheru nowoneke kuhitukira kuhanda miti ya ki-nduire mititu-ini. Mititu na iti niinyihagia gutengera kwa maai na kumacunga niguu mathere.

## Reke mugambo waku uiguikane na teithiria TIST ikure wega Ni hindi ya kwihariria ithurano cia council representatives.

TIST nuu? TIST ni ithui. TIST ni ukurite na njira nene. Riu kwina Clusters 100 thiini wa Mt Kenya, Mbeere, Mara na Mau. Ouria turathii tukurite, nioguo tukwenda tukororwo na uugi na mawoni mithemba kuuma kuri andu mwanja. Hindi iria tukuigua mawoni kuuma kuri atumia, athuri, andu akuru hamwe na ethi kuuma meena ngurani noguo tuguthii na mbere na kuhe TIST hinya nigetha ihoote gutungata arimi a Kenya.

Riri ni ihnda riega ria kwambiriria ndererti thiini wa Cluster yanyu no mungichagura akorow akimurungamirira thiini wa kanju ya Group of Clusters.

Kanju ino ya ikundi cia Clusters (A Group of Clusters) igukurwo ina Clusters 2 nginya 4 ikuhaniriirie ati nomahote kuruthinaia wira hamwe.

Gukinyanaga mwei 15 November mwaka-ini uyu, o hari ikundi icio cia Cluster (group of Cluster) nimagiriirwo makorwo macagurite arugamiriria thiini wa kanju ya GOC. Arugamiriri aya matiagirirwo ni gukorwo mari atongoria a Cluster kana Atari a miti kana Auditors. Magirirow ni gukorwo mari andu macaguritwo na njira ya waragania thiini wa Cluster (muthuri umwe na mutumia umwe) gwa kahinda ka mieri itandatu. Arugamiriria aya, ana nginya anana maricimanagia riita rimwe hari mweri.

Thutha ucio, kanju ya group of cluster nimagacooka machagure muthiri umwe na mutumia umwe kuuma Clusters ngurani aria magakorwo mari arugamiriri thiini wa kanju ingi ya Regional Council. Kanju ino ya Regional Councils igukurwo na amenba 6 nginya 24 kuringana na cLusters iria igokorwo iri mwena ucio wa rutere ruu (region)

Kanju ino ya Regional Council iricamangia riita rimwe hari mweri. O kanju o kanju ya region nirichaguraga mutumia na muthuri aria marikorwago kanjuini ya utongoria (Leadership council). Kanju ino ya LC onayo iricemanagia mweri rita rimwe.

Mutaratara uyu niugukurwo uri ikinya ria bata hari gukinyaniria wirumamiriri niggetha maundu maria marikoragwo thiini wa TIST nimariagiririo kuuma Cluster na magithii makiaragiririo ni kanjungurani o na ihenya.

Niguu tugaciire, tukwenda andu mekwirutira na njira nene. Ambiriria kwaririria mieke ino mucemanio-ini wanyu wa Cluster no mungienda amurugamirire thiini wa kanju ya Group of Clusters. Ni kamweke keega ga guthoma na kurehe ugaruruku wa bata thiini wa Cluster yanyu o hamwe na TIST yothe.

# Mazingira Bora



# TIST

The International Small Group & Tree Planting Program  
www.tist.org

**Kikamba Version**

An Environmental, Sustainable  
Development and Community Forestry  
Program.



**Mitheru TIST Cluster members during their monthly cluster meeting.**

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## **Inside:**

**Undu ala angĩ mekwasya iulu wa TIST. Page 2**

**Kwata mbau asyaiisya/ avitukithyalathiani maku (quantifiers) Page 4**

**Usaid nimanenganai utethyo wi mbee kwa aimil avandi ma miti ya kienyanji. Page 4**

**Valua muingue kwa athuimilathiani/avitukithya ma TIST Kenya utanu wa kwiania kunewa ukumu na kuikiithw'a. Page 5**

**Undu TIST yikite nundu wa kutheea kwa vatalthamani wa silingi wa sianiw'a na ndola (USD) - thini wa ndivi ya miti. Page 5**

**TIST: Vaita wa kuvanda miti thini wa mawithyuluko. Page 6**

**Neena wiw'ike na uitetheesya tist kwika nesa mbee!**

**Yu ni ivinda ya kwiymbanisa kusakua ateti ma isio. Page 6**



## Undu ala angi mekwasya iulu wa TIST.

Nthini wa TIST, Vamwe nitwosaa itambya yila nthi yoonthe itonya kwona. Nituvandaa miti, nituseuvasya maiko mausuvia mwaki. Nitusuviaa na kwailya (uviviisya) wumo wa mbusi kwa kuvanda miti ya kiene/kikamba, na miti ila ni mumunyeae wa kiw'u. Ithi ni twonaa wia ula twikaa aingi nimalikanaa naitu na kunenevya/ kuthathasya ngwatanio ya TIST na kwailya kieleelo kitu. Naubdu amwe ala andu meuneena iulu wa wia wa TIST.

### **Antony King, Executive Director, Laikipia Wildlife Forum Ltd.**

Laikipia Wildlife Forum (LWF) ni umwe wa ausuvii ma mawithyululuko ma kuma vaaya isioni sya ndua. TIST ni imwe katika ngwatanio ya LWF kwa myaka mingi na kwa vamwe nitwithiitwe tuithukuma na aimi ma uimi munini kuendeesya uvandi wa miti. TIST niyithiitwe iyonekana nthini wa isio mbingi kukilya matatwa nthini wa isio na kuendeesya uvandi wa miti thini wa aimi ma uimi munini.

### **Aikiwa ma Rodney Portman, Chair, na Berkeley kwa kuthungya mititu (Reafforestation Trustees)**

Kwa woni witu ni kana ngwatanio ya TIST ni muvango wa kuendeesya aimi ngya na kumatonyethya methiwa na ukwati kana useo wa mawithyululuko, uima wa mwii na kisomo.

### **Utethyo wa Robert Delve, Senior Technical Advisor - nthini wa Uimi na Mawithyululuko, na Catholic Relief Services (CRS) (Utethyo wa ikanisa ya muvea)**

Otondu twisi kana TIST wambiliilyo wayo ni kuveta nzeve thuku (Carbon Sequestration project), kwa kuendeesya uvandi wa miti kwa aimi ma uimi munini nthi yothe. Mbee nimendeeaw'a ni kukilya kana kutetheesya kwongela ukwati wa muimi utenaukwati na kwa kieleelo makaleana na ukwata mbau uvandi wa miti ta ikuthu (plantation tree planting). Nundu wa undu uu muvango woo ukethiwa wina vinya, niw'o nitu kuendee na undu uu wa ukwata mbau aimi anini matena vinya vandu va kwosa andu metonya mena itheka nene. Undu uu wa kwosa muimi eweka na kasio kake kanini/ kala winako niw'o utumite CRS mendeew'a ni kwithiwa mena ngatanio na TIST nthini wa Kenya, Honduras na Nicaragua twiendee kwona undu tutonya uthathasya ngwatanio yitu.

Eka kuivana nundu wa miti yanite ila itethyasya

ekali makisio, nitukwataa mbau maundu ma kikundi kwikia vinya, na kwona kana uimi wa kusuvia na utumii wa maiko ma kusuvia mwaki - kwona kana nzeve niyaseuva na ngu nini nisyatumika.

Maundu aya kwa mundu mwele nimaendee na kusiw'a na kwona kwongeleka kwa "bio-diversity" indi oundu mawalany'o maendee na kwongeleka ni tuendee na kwona ve vata wa kusuvia nzia nguu sya nyamu / nzia ila nyamu syisilaa itambuka. Ni twisi kana yu uneenany'a wa Kenya Forestry Services nuendee kwona kana ikundi sya TIST nisyangwa mwanya kuungamia usuvii wa miti thini wa mutitu wa Mau (Mau Forest Complex). Kuvanda miti ingi na kusuvia mutitu umwe ula ni wumo wa mbusi / Kiw'u nthini wa Nthi ya Kenya.

- Kwailya undu wia wa TIST utonya kwaila. Kimwe kati wa syindu ila syatumie CRS yendeew'a ni kukwatana na TIST ni undu methiwa na uikiiku na utongoi wi kyenini kwa kinandu kyoo. Utumii wa PDA's na GPS kwa masavu, kuikiithya na kutumbithya isio, ene na mithemba ya miti kwa kila umwe na kwa mituki nimethiwa makiliteye itatwaa yii ya kulea kuikiika nthini wa isio mbingi. Nundu wa uu nitukwona miti iendee na kwongeleka, kwiana na kusuviwa.

- Nimasuvii Ivithukiwa/ (ivuso ithuku) kwa ala mekwendeew'a kukwata undu uu mbau. CRS niyeekie ukunikili mbee wa kukwatana na ngwatanio ino ya TIST kwa nzia syoo no ikulyo yimwe yeethiwe yiyukila nayo ni; Yo TIST ni aaau? No methwe mena ngui? Ni aikiiku? Mateeaa uu nzeve nthuku (Carbon)? na angi maingi. Nakwoou CCB certification ya matetheesya TIST na aimi angi aingi ala mathukumiaa, kwonania ni menengete ndaia na nimavaita kwa maendeeo na ngwatanio. Nime kutuma CRS iendee na kwonany'a utheu na wailu nthini wa ngwatanio yoo na TIST kwa andu kana ala mekwenda kumakwata mbau (Donors). Na kwa undu TIST itonya kut nzeve nthuku (Carbon) kwa nzia ya certification na no'wo mekuendee na ukwata andu ma ngoo ndau (donors) kwa misyi na now'o vaita ukwithiwa uyongeleka nginya kwa mawithyululuko.

Nthini wa maundu oothe CRS mena utanu kuthukuma na TIST kwa nzia ya ndivi sya Nzeve thuku (Carbon payments) na kwailya/ kuende maendeeo isioni. Nitwai tutonya kusakua kambuni ingi ila iunengane utethyo usu lakini nundu wa kwendeew'a no nzia ila mutumiite kwa uthukumi, viasala kwithiwa na utongoi wa kyenini na nzia yathemye kwa onthe twatw'a kwithiwa nenyu.





**Betty Tembo, Farmer, Vice chairlady, Institute for Culture and Ecology, Committee member, Methodist Church, Home-based care counselor on HIV/AIDS**

TIST nimatutethyete kwa kutuete ngu. Nitunzeaa miti na tuingwata ngu kumana na maseo asu na nituivawa nundu wa miti yitu. Ni tukwataa miti ya kwanga nyumba situ, tuiendaa kithekani kutema miti. Ni twikaa uimi wa kusuvia na tuikwata usyao museo. Nitutetheaniasya kuseuvya miunda yitu na kuseuvya vuu wa yiima kuola ngalama nundu tilasima tuue mbolea.

**Judith Kimathi member, Institute of Culture and Quality, Secretary, Maendeleo ya Wanawake, Meru Municipality.**

TIST ni ngwatanio nzeo nundu miti ila navanda niniivawa na ningwataa moseo angi ta matunda, ngu, nzeve theu. CF nitumite twongela usyao na atui makwa mena utanu nundu wa TIST. TIST niitende muuo na ngwatanio thini wa kisio nundu ikundi ithukumaa vamwe.

**Salome Mbabu, TIST Trainer, Kepap Agriculture Group**

Ni ngukwata mbau TIST. CF nitumite liu wongeleka kwa nzia ya kusomethanya, undu wa kuola ngalama ta ya vuu na mawithyululuko.

**Hellen Gerald, TIST Farmer**

Nituvandaa miti na tukaiwawa. Nitutumiaa miunda yitu nesa na nituvundiaw'a kuaa na maiko mate syuki na meusuvia mawithyululuko.

**Dickson Mutiso, Chairman, Masinga Dam, Community Forest Association**

Ni mweu na ndi memba wa TIST. nina CFA na nisomete iulu wa TIST kuma mathanguni ma unyaiikya uvoo. Numite Masinga Dam kuationia na usi wa Tana River. Ninendeetw'e ni undu TIST ikwika na ninguvoya vatonyeka ithathae nginya kisioni kyakwa.

**Margaret Silas, Member, Institue for Culture and Ecology (CFA member, Lower Imenti Forest)**

Iny'a wakwa niwambonanisye na kikundi kyoo kya TIST. Nukikwataa mbau na ninendeew'e nikyo. Nituivawa, tukakwata ngu, tukeka uimi wa kusuvia (CF) na tuikwata vuu. Ino ni ngetha kundu kwili kwi undu twa kwataa tuitumia nzia sya tene sya kuima. TIST nitetheesye kuseuvya mikalile yitu nundu wa iiko itheu ya kuaa (jiko poa) - nisuviaa saa na vai syuki kwoou uima wa mwii.

**Esther Kamenwa, TIST Farmer**

Kwaivinda yu twina muikiio na TIST na aimi nimaendee na kuvanda miti na nimaivawa nundu wa miti. Yu nitwithiitwe tuitumia miunda yitu nesa, kukomana kila mwai na kuvundiany'a maundu kivathukany'o ta uvandi wa liu ula wumiiasya sua.

**Joshua Kimaita, Church Minister, Methodist Church Meru**

Ninendete TIST nundu yila nathi umbanoni wa kikundi ningwataa uthuthio na ninivandite miti thini wa muunda wakwa. Nituseaa miti kukwata ngu, nitwongelete unou wa muunda na muno nituetende uvandi wa miti ya kitene ( kikamba) ila yui vaita munene ta Cordia Africana. Nutumanyiitwe iulu wa uimi wa kusuvia (CF) na ukatuma usyao witu wongeleka. Ninisomete iulu wa utongoi, undu tutonya kuima maiu mautumia, undu wa kuaa na iiko yiteuto, naimbangite kuaa yimwe mituki. Andu maitu ni matanite na nimendeetw'e ni TIST. Vena wikwatyo kwa utandithya wa ivinda yiasa nthini wa nzeve nthuku (Carbon business). Nindanitw'e ni TIST na ningwikathia nundu yikite na iendee na kwika.

**Joseph Kiogora, TIST Quantifier**

Ni nalikile ngwatanioni ya TIST 2006. I nukilasya TIST nundu nindetheesye kwaka utuika wa utongoi. undu uyu nundethetye kutethya andu maitu isioni syi kivathukany'o. Ni naandikiwe ni TIST kwosanasya uvoo wa kuvitukithya (Quantifier). Nindethekete ki mbesa na kutethya nyumba yakwa. Ni nasomie kutumia computer kwisila TIST, ninotanu nundu wa TIST kutuma nimanya computer, na kumanya kuseuvya masavu, kamanya uvoo wa miti, yu ninendeew'a ni miti ya kikamba (kienyeji). I nakwatie vaita kuma kwa TIST kwa nzia ya maiko ma kusuvia mwaki na natetheka kusuvia miti ila tuvanite.

Ninatethekie nthini wa TIST kwa kukomana na aundu aingi maumite kundu kwi kivathukany'o mena mawoni kivathukany'o na namanya undu tutonya kwikalany'a na andu ma mbai ingi.

**Help wanted contact persons:  
Susan Kinanu - 0711 - 721 219  
Purity Mugo - 0724 - 119 815  
Mary Kathei - 0726 - 283 425**



## Kwata mbau asyaisya/ avitukithya/athiani maku (quantifiers)

Aimi ma TIST me viasalani uyu wa nzeve thuku/ itavisaa (Carbon). Nimakwataa ndivi syoo kuma kwa kila muti muvande nundu wa uthoosya wa nzeve isu. Nzia ila nzeve ino thuku itonya kutewa kwa wianiu, wusuu na kwa ivinda ya ilu kwa kithimo kiseo. Ithyothe nitwaile kuthetheesya asyaisya kana athiani (Quantifier) kwailya uthukumi woo.

Omituki kunai na kuendee kwailya TIST kwa kwona kana musyaisya/muthiani (quantifier) umwe ni wathiana na kuvitukithya ikundi kati wa ili kuvika inya (2-4) ila syi vakuvi. Undu uu utethasya kuola ivinda yila yanangikaa na utumiku wa tikiti ula uneethiawa kwa athiani kuthi vaa na vaa isioni itaniie me uthukumini woo. Muthuimi/muthiani wa vakuvi na kwaku nukakutethasya, kuma yila athuimi/athiani eu meumina kumanyiw'a/kuvundiw'a.

Mwambiioni wa wia woo muthuimi/muthiani/ muvitukithya mweu ndeithiwa esene na ene ikundi nini na vala miti yoo mavandite, Na nundu kikundi kyenyu kiikwenda iitinda aimatha ene kikundi, mutongoi wa kikundi akamwony'a mwene umwe kana mutongoi ula wisi nesa uvoa wa kikundi na kumutwaa na kumutetheesya kuvitukithya/kuthiana/ kuthuima kwa mituki na w'o wia wa kikundi.

Muvitukithya/Muthiani/Muthuimi nutonya kwi'a w'ia aitambuka mitini/kithekani eweka. Nimukwenda methiwe na kwianiwa na ukumbau wa uima woo methini wa kikundini, mayaille kuthukuma mayiw'a mena w'ia wa uima woo. Nuseo atongoi kuvanga undu mekutambuka mana umwe woo nikana maikiithye muuo/kwithiwa matena w'ia.

Kwoou atongoi ma ikundi syisya muneenanie undu mutonya ukwata mbau avitukithya/athiani/ athuimi yila mooka kuthukuma thini wa ikundi syenyu thini wa wumbano ula ungi wa mwai mwinaw'o. No muamue ni isio/ndua syiva ikuvituthiwa indi na nuu ula ukaendany'a na ula ukamuthuka ivindani yiu. Ithiwei athukumi aseoa kwa umwe kwa ungi kumathukuma avitukithya/athiani/ athuimi ni kana mamuthukume.

Ikundi imwe nisyithiitwe iithukuma nesa kumakwata mbau, nitwithiitwe na livoti nzeo kuma

1. kirua (Mary Mathani)
2. Maritati (Nicholas Kirimi)
3. Salama (Rosemary Mwago)
4. Pondo (Agnes Wambui)
5. Raicheri Podo (Julius Waweru)
6. Runyenye (Bernard Kinyua)
7. Thiira (Mbaabu)
8. Kiegori (Prisila Mukethi)
9. Kawiru MCK (Elizabeth Nkio)
10. Antubochio (Milicent Wambogo)
11. Silimon (Stephen Kirinya)

Ethiwa kikundi kyenyu nikithiitwe kiimatetheesya na muiwetetwe vaa, kwandaia neena na EMELDA KIGETU 0727 992040 na tukatumbithya thini wa ithangu ya Mazingira Bora ya mwai ungi. Yila kikundi kyenyu kyoona nikitonya ukwata mbau muthiani/muvitukithya/muthuimi kunia Emalda na uimutavya nzia ya umuvikia. Lilikana: KUVITUKITHWA KWAILU = MOSEO MA WINGI = NDIVI NZEO!

## USAID nimanenganai utethyo wi mbee kwa aimi/ avandi ma miti ya kienyanji.

USAID, Ni amwe me ngwatanio na TIST na nimetikilite kukwata mbau/Kumatetheesya aimi ma TISTI ala meuvanda miti ya kikamba/kienyanji. Unakutwika miti ino ti kwithiwa yi vei kwa nzeve thuku/itavisaa kwi miti ila ingi, kuvanda na kumisuvia mithemba yayo kwi vata kwa uthui wa nthi, kwa uima na useo wa miunda na mititu yitu. Uthethyo wa USAID ututetheesya kwithiwa na wendi mbee/ uthuthio wa kumivanda thini wa nguumo. Ikundi ni ivitukitw'e na kukwata utethyo uu kwa vitii, uthuthio na wendi wa uthukumi woo museo, na makakwata ndivi ino uivanini ula ungi.

Kwa kila tusomete kumana na undu nituendee na umatha nzia sya kumathuthia aimi nikana maendee na kuvanda miti ino na kienyanji na kwona vaita wayo nthini wa miunda yoo.

Nuseo kumanya kana uthuthy'o uyu

withiitwe nikwonda wa useo/utethyo wa USAI. Kau tita ndivi ya miti, ila inengetwe utethyo ni uti wa nzeve thuku/ itavisaa (Carbon Sales) kwa myaka ta 30, Uthuthio wa uvandi wa miti ya kiene/kienyeji/ kikamba ni wa kavinda kanini, witengemea utethyo wa nza. Kwa yu twina ukwati wa uthuthio wa uvandi wa miti ino ya kiene/kienyeji kuvika mwaka wa 2013. Ni tuutata tuvoye kwongelwa kwa uthuthio uyu kwa ivinda iasanga.

Tata uvande miti ya kiwenyu/kiene/kienyeji umuthi, sisya undu utonya uthathasya mutitu ula wi vakuvi naku, kulya anyanyau, atui, ala mukutindania na ala mwi kikundi kimwe iulu wa miti ya kikwenyu/ kikamba ila yikaa nesa kuu. Acacias, Podocarpus, Waterberry, prunus, cordia africana, figs (mikuyu) and mithemba ingi mingi ila itonya kuete vaita mwa mivanda.



# **Valua muvingue kwa athuimi / athiani / avitukithya ma TIST Kenya utanu wa kwiania kunewa ukumu na kuikiithw'a.**

*Mwandiki ni E. Williams, CAAC Vice President*

Valua uu niwaumutungia muvea nundu wa uthukumi wenyu museo na kwiyumya kwa TIST.

Undu mwisi, TIST yaseuwiw'e kwailya mawithyululuko kwa kuvanda miti na kutumia nzeve thuku/itavisaa ila yiawa ni miti ta nzia imwe ya kukwata vaita kwa aimi ala meukwata mbau undu uu. Kuvindua nzeve ino na kumitwikithya vaita ni itatwa yi vinya tondu yina aimi mbee wa 50,000, na niundu wi vinya muno. Onavala ithyi thini wa TIST tuikiiaa novatonyeke, lakini twienda miio ila yaile. Usyaaisya thini wa TIST wai muio umwe, una vala walany'o wa computer ndwina utethyo vate andu mena utuika wa kuitumia.

Ta muvitukithya/muthiani/muthuimi wa TIST, wina muio wa kwosania uvoo ula wendekaa ni ndunyu ya uta nzeve thuku/itavisaa nthi yothe (International carbon Market). Undu uu ni wendaa mithenya mingi na ndambuka, kumanyiw'a kutumia palm computers na GPS, kuatiia thuva vatekuvitya, kuvathukania mithemba ya miti mbee wa 100 na kwosa utalo waw'o. Aa oothe nimookie vamwe mwakani muthelu, tuinengane mavalua maitu kuikiithw'a na kuvitukithw'a ungu wa "Verified Carbon Standard" VCS na "Climate, Community

and Biodiversity Standard" Ccb. No ala mai na wianiu wa kila kyendekaa thini wa mititu ya TIST watalikie. Ninotanu kwasya ikundi imwe syenyu nisyu vitie "wianiu wa useo na syai na usuu wa useo" (quality assurance and quality control).

Yila mwitikilithya wookie mwai wa sikukuu (December), kwika ukunikili wa kithekani, nimavikiie ukwa TIST ni iulu wa kyau. Vandu va kwona mititu ya tene moonie miti myeu inyaiikite muundani. Undu uyu mayeekwatasya kuwona, kwoou weethia nomatiie nzia ila matumiaa kwitikilya/kuvitukithya mititu matumie nzia ingi kwa aimi ma TIST. Yila maisye me tala miti ya muthemba muna nimandanisye nundu ninamanyie kana undu uu nuuthi kwikia athuimi/athiani maitu itatwani ya undu utali wa w'o na utuika woo.

Nitwatanie yila mwaendie na mweeka uu vatena kwiw'a uito na kwa wianiu navate kuvitya kwianana na undu ngwatanio ya TIST yendaa na mwatwony'a kwac'o ni mutonya. Kwa kitumi kiu mwaka uyu tweethiwa twi mambee nthi yothe kwa undu tauu kukwata mavalua ungu wa VCS na CCB. Osai ndaia kuma ngooni yakwa. Nina mukathiia/ningatho.

## **Undu TIST yikite nundu wa kutheea kwa vata / thamani wa silingi wa sianiw'a na ndola (USD) - thini wa ndivi ya miti.**

Silingi ya Kenya niyithiie yinithi kwa vata wasianisya na mbesa sya nthi ila ingi. Na kwauu thooa wa syindu mbingi wi iulu. TIST ni ithinikie undu uu kwa kwongela ndivi ya uthuthio kwonana kithimo kya ukuania wa mbesa. TIST ni yiivaa sendi ili sya muingo (2cents US/ \$0.02) kwa kila muti muvitukithye kila mwaka.

Mwakani wa 2005 yila TIST yambiie Kenya, silingi 75.00 sya Kenya nisyu kuanaw'a na ndola imwe (USD). Ivinda yiu sendi 2 sya Dollar syookaa ta silingi na sumuni wa kenya (Ksh 1.50/=).

Umunthi ukuania wi katikati wa silingi 88-99

kwa ndola imwe (USD). TIST niyosete ndola kwa silingi 90 kwa ndola imwe (USD) kwoou, ndivi nikukwambatw'a kuma Ksh 1.50 kuthi Ksh. 1.80.

Kwandaia manya kana ndola kana kukuany'a kwa mbesa kwina kivathukany'o kuma ivinda kuthi yingi. Yila kukuany'a mbesa kuueendee kwithiwa na kivathukany'o kingi manya kana now'o TIST inikwika. Lilkana kukwata vaita munene mbee no kuendee na uvanda miti. Oundu wina miti mingi yi thau na utaanu mwailu wa matambya elei now'o uendee na ukwata mbesa, na now'o vaita waku kuma mitini wiana.





## TIST: Vaita wa kuvanda miti thini wa mawithyuluko.

Nthini wa TIST nituvandaa miti kwosa kilio kana kukwata thini wa ndunyu/soko ya utandithya wa nzeve thuku/itavisaa na kukwata vaita twata nzeve ino. Onavala, vaita ila ingi sya miti ni mbingi! Vaa ve imwe kati wa vaita ila tutaniaa kuma mitini:-

- Miti ni musyi woombiwe uu na nunenganee utethyo kwa metho, muuo/ukumbau kwa nyamu sya kithekani, ila imathaa liu thini wa itheka na miti.
- Kivanda kwa miti nikusevasya nzeve na kuola uthokoania wayo. Miti niyosaa nzeve thuku na kutunenge nzeve nzeo ila tutumiaa kuveva, na yi thayu.
- Kuvanda miti nikutetheesya kunosya mwikalo / kithio.
- Miti ya vandwa nitumaa Nthi yoneka yina wailu na kwoneka yina thayu wi muyo. Miti niyongelaa

langi kwa nthi na mawithyululuko kwoneka me manake.

- Miti nivinduaa/niialyulaa nzeve na ivinda ta sua, nzeve, na mbua. Miti nisiiaa kutiuuka kwa muthanga na wanangiko ula uetawe ni kiuutani.
- Miti nisiiaa kutwawa kwa muthanga ni kiw'u nikwithiwa mii yayo nikwatanasya muthanga. Miti ninoasya muthanga, ula wavamdwa miti ya uya/liu unengae mundu unou usu.
- Miti niyusaa kineene kwoou iyiola kuthokoanw'a kwa nzeve ni kineene.
- Miti ya kiene/kikamba ya vandwa nguumoni nisevasya kiw'u kya unywa na ukethia kiung'ala. Mititu nisiiaa kiw'u kusemba na kwoou kiilika nanthi ovala kitonya kwikala kana kikaseuviwa itangi na kutumika kwa maundu angi, na undu uu nusiiiaa kiw'u kiikavulane na kya ukanga kila kimunyu.

## Neena wiw'ike na uitetheesya tist kwika nesa mbee! Yu ni ivinda ya kwiyumbanisa kusakua ateti ma isio.

TIST nuu? twi ikundi mbee wa 100 ithyululukite Kiima kya Kenya (Mr. Kenya), twi Mbeere, Mara na Mau. Oundu tuendee na kwiana twianda kwona mawasya na mawendi/ mawoni maitu maingi mekivathukany'o nimeew'ika. Yila Aka, Aume, akuu na ma muika kuma isio syi kivathukany'o kuneenea umwe kwa ungi iulu wa mawendi/ mawoni moo notuseuvye TIST ikethiwa yi nzeo kwa aimi ma TIST ma Kenya. Yu ni ivinda inzeo ya kuneenania kila kikundi kwona nii meunyuya kuungama vandu voo nthini wa ngwatanio ya ikundi.

Ikundi 2- 4 ila ithengeanie nitonya kutumiania miio na umanyisyo kwiyaka. Tuivika matuku 15/11/2011 kila kikundi kikasakua muungami umwe kumaunngamia nthini wa kasu wa GOC. Aungamii aya maikethiwa atongoi ma ikundi kana mena uvisi, lakini makeethiwa amemba asakue ala makathukuma myai thathtu. Kila kikundi kikasakua mundu ume umwe na mundu muka umwe na andu aya me kati wa 4-8 makakoanaa kila mwei.

Itina, kila kasu ikasakua mundu muume na mundu muka kuma kakundi kivathukany'o kuungama vandu voo thini wa kisio. Kiso kii kya kasu kikeethiawa ki na ene katikati wa 6 na 24 kwianana na ikundi ila syi kisioni kiu. Kasu ya kisio ikakomanaa imwe kila mwai na kila kisio kya kasu kikaungamasya mundu muka na munduume kutongosya.

Muvango uyu ni museo kwa kuete uteti wa kiene, nikana TIST yithiwe itonya ukwata mavunguku ala maumila kuma tukundini tunini nginya kisio na kumathinikia kwa mituki. Nthini wa kila itambya uvungulu kana undu ula waumila niuka neenaniaw'a na vanyumwa nzia kana usungio/woni.

Twithiwe twi aseoo mbee nonginya twithiwe na enyumya aseoo. Neenany'ai ikundini syenyu mwone nuu mukwenda ethiwe e muungamii wenyu wa kikundi kasuni. Ni useo kwithiwa na ivuso na kumanya undu utonya kuete uvinduku kikundini na thini wa TIST kwa vamwe.

# Mazingira Bora



# TIST

The International Small Group & Tree Planting Program

www.tist.org

**Kipsigis Version**

An Environmental, Sustainable  
Development and Community Forestry  
Program.



Mitheru TIST Cluster members during their monthly cluster meeting.

## ***Nwagindo chebo barakusiek.***

***Tuguk che mwae alak agobo TIST. Page 2***

***Otoret kaitikwok. Page 4***

***USAID ko gigon toretet kogeny kotoret TIST en banganetab minsetab ketikab gaa. Page 4***  
***Baruet ne yatat koitchi TIST –koitikab Kenya kongoi agobo borotet en nyorunetab validation ak verification. Page 5***

***Walunetab TIST agobo nusut ne kiwo ngwony ngekerchin ak dolait nebo USA - libanetab ketik ne kigiwal. Page 5***

***TIST : Borotet ne bo timwek koyob misetab ketik. Page 6***

***Kasagen, ak itech TIST kogaranit missing! Ngunon ko kasarta ne kichopchin gei lewenisietab tononikab council. Page 6***



## Tuguk che mwae alak agobo TIST.

En TIST, kibagenge, keyaei boisiet en kibagenge che geere ngwonyndet kotugul. Kimine ketik. Kichobe ak keboisien chikodiek che ribe maat. Kiribe ak kewegu ainosiek kemine ketikab gaa, ketik che matare beek. Yon geere bik boisiet ne kiyaei, che chang kochute TIST ak koyai koet ak ko kararanit. Ongetestai keboisien kibagenge en kimnatet si kesich borotet ne o!. Che isibu ko logoiywek che kimwaei bik alak agobo boisietab TIST.

### **Anthony King. Executive Director Laikipia Wildlife Forum Limited**

Laikipia wildlife forum ko banganet ne bo membaek, ne mi nwony en ribsetab timwek. TIST ko agenge en membaekab LWF en kenyisiek che chang, ak en kibagenge ko kigetestai keboisie ketoret temik che mengech en minsetab ketik. TIST ko kiitestai koet en oli keboisie kibagenge, keisto uinwek en tesetab tai en minsetab ketik en imbarenik che mengech.

### **Rodney Portman, Chair, Berkeley Reforestation Trustee.**

TIST en kerenyon, kobanganet ne o ne bo kamanut ne boisie ago walei temik che mi ngwony konyor sobet ak borotet, koyob waletab timwek, chametabgei nebo borwek ak kanetisiosiek chebo kamanut.

### **Robert Delve, Senior Technical Advisor-Agriculture and Environment, Catholic Relief Services.**

Kou ye ongen, banganetab TIST ko bo aldaetab koristo, koyob kesutikab ketik en temik che miten nwony en imbarenikwaak en ngwony komugul. Missing ko tinyei maget en temik che mi ngwony konyor kelchinet en temichoton ak go istoengei temisiet nebo ketik che chang. Ngandan kigoon ngemutik en banganenywan ko kigo, ago tun tese tai kogochi kelchinet bik che chang che mengech en korik che mengech kosir bik che tuten che tinyei imbarenik che mengechen. Tokchinoni bo biik che mi ngwony ko noton ne ki boiboenchi CRS ko kigogochi kotestai nguni koboisien rabinik en banganetab TIST en Kenya, Honduras ak Nicaragua ago kitesetai kegeere boisienyon kibagenge kotesetai koetu.

Kosir libanetab ketik che kasobcho, ne toreti bororiosiek, yon tesetai ketik koechegitun, kotese

tai kora kogimiti boisionik alak en kagimitetab kurupisiek, kesutikab temisiet-missing temisietab ribetab ngungunyek, nyorunetab kwenik che kilale en chikosiek – kotoret en koristo ne mie ak boisietab kwenik che mi ngwony. Boisionichu en chito ko ma missing ko toret waletab emet, ngandan en banganani ko toret kwo barak, komiten kanaametab ribsetab tiongik en ole bunei, ak kotoret kora en nyorunetab osmosiek kongeten age agoi age.

Ongen agobo ngololutik chebo nguni en kwenutab Kenya Forest Service che wendi kogochin chamchinet kurupisiekab TIST komin ak korib ketik en timwekab Mau Forest complex komin ketik kogeny ak korib agenge en ole kutune beek ak korib en ribetab oloton.

- Kotoret em boisiet komie ak banaganetab chobetab kasibutik.

Agenge en komoswek che kiboiboenchi CRS en kobois kibagenge ko gi togunetab boisiet en kogochinet ak chigiletab boisietab TIST. Boisietab PDA ak GPS en kotisiet ko boru ak kosir ole mi, kit ne ten, chebo ak ketik che terter chin komie ak en chokchinet, kogisiir agenge en uinwek en oli, en noton igeere ile ketik che mi ak kotesetai koechegitu ak keribe.

- Bosetab uinwek chebo bik che gonu rabinik. CRS ko kiyai chigiletab TIST kingotomo keyai kasit en kibagenge ak ichek en boisietab gaa, amun tebutik che bwanen aba kora –ngo icheget? ngwany igilegei? ngwany bo iman? aldechin ngo koristo? ak alak. Noton anyun CCB komuch ko toret TIST ak temik chemengech che chang che boisiechin ko boor kole kitegisi ak kobo ka manut en bik che mi kibagenge. Wendi kotoreti CRS kotestai en nyorunetab logoiwekab iman ak komuch kotienge boisietab kibagenge ak TIST en chegonu toretet en ungat ak en chebo serikali. Ak missing koristo ne o ne aldoi TIST kokigechigil kotesetai kogochin toretet temik che mengech ak en ole o kotoret en waletab emet.

Tugul en tugul CRS ko baibai missing kobois ak TIST en libanetab koristo ak teksetab bororiet. Kitagichenge agenge en kampunisiek che chang chemi ngwony che igoitai boisiet ne uni, ngandan kigiboiboenchi agobo boroinwek chebo kacherunet ak aldaet, tachat aboisietab kibagenge ak boisiet ne o al banganetab kogochinet.





**Betty Tembo, Vice chair lady, Institute for Culture and Ecology, Committee member, Methodist church, Home based care counselor on HIV/AIDS.**

Kitorettech TIST kenyorun kwenik che chang. Kichorori ketik, ak keser alak ak kenyoru kwenik. Kilibanech ketik chok. Kisiche bakoinik che kiteksen en korikyok. Magebendi kogeny timwek koba keyeb ketik. Kiboisien temisietab ribsetab ngungunyek ak kenyoru kesutik che mi barak. Kitoreti gei en chobetab keringoik chebo minsoni. Toretech keturek keboos rabinik che kiboisien en imbar amun ma kiale katoldolutik che bo kerichek.

**Judith Kimathi Member, Institute of Culture and Quality, Secertary, Maendeleo ya wanawake, Meru Municipality;**

TIST ko gararan amun en ketik che kira min, anyoru libanet. Asiche kora borotosiek alak en ketik che u logoek. TIST ko kitoret bororienyon kemeny en kibagenge amun kiboisie en kurupisiek-niton kotorettech keboisien kibagenge.

**Salome Mbabu, TIST Trainer, Kepap Agriculuture Group.**

Atoreti TIST. Temisietab ribetab ngungunyek si kotoret en tesetab amitwogik koyob kanetisoesiek kebose rabisiek che kiboisien koyob boisietab keturik.

Kigokararanit ole kemenyei kongeten kingonyo TIST en kenysisiek che chang.

**Hellen Gerald, TIST Farmer.**

Kimine ketik ak kenyoru libanet. Kinyoru kwenik. Koginaam ngunon keboisie komie mbarenikyok. Kinetech agobo boisietab chokosiek che kororon che torettech komakiboisie kwenik che chang ak che ma konnu iyet en ole kikwangsen.

**Dickson Mutiso, Chairman, Masinga Dam Community Forest Association.**

A lele ago ma membayat. Atinyei CFA ak asomoni agobo TIST en kasetisiek. Ayobu Masinga dam en ole negitin ak Tana River. Achame boisiet ne yai TIST ago abaibaenchini nda kiname en olin yon.

**Margaret Silas, Member, Institute for Culture and Ecology; CFA Member Lower Imenti Forest**

Kitaachan kamenyun en TIST. Kigacham ago kianyacham ak ane. Kinyoru libanet ak ne sire kenyoru kwenik, kibaisien temisietab ribsetab ngungunyek ak keboisien keturek. Niton konyilen kesutik ngegerchin ak temisietab kotugul. TIST ko

gitoret kowal sobenyon. Chikosiek che kororon che kikwangsen-toreti kochob amitwogik en kasarta ne nwach ak koistoi iyet-chametabgei nebo borwek.

**Esther Kamenwa, TIST Farmer.**

En kasarta, TIST ko kitestai konyor kayanet ak kimnatet koyob temik amun temik kotesetai komine ketik ago nyoru libanetab ketik. Kimuche keboisien mbarenikyok chemengech komie. Tuiyosiekab klata chebo kila arawa kotesetai kotorettech koyob kanetisoesiek che chang cheu kolsetab amitwogik che muitoi en kemeut.

**Joshua Kimaita, Church Minister, Methodist Church Meru.**

Achame TIST amun awendi tuiyetab klata kila arawa, anyoru kimnatet ak cherset. Kiramin ketik che chang en mbarenyun. Kichorori ketikyok si kenyorun kwenik. Kigetestai kitoldol ngungunyek, ak kinaam kewegu minetab ketik chebo gaa chetindoi borotet ne o cheu *Cordia africana*. Kiginetech en temisietab ribetab ngungunyek ago kitorettech en amitwogik missing. Kiranetgei ngomnatet agobo kandoinatet. Kiginetgei agobo temisietab ndizininik temik che mengech. Kiginetech agobo jikosiek che kororon. Achopchinigei aal agenge konegit. Biikab kokwenyun koboiboenchin ago tinyei maget neo agobo TIST. Miten kamangunet nebo koigeny en mungaretab koristo. Abaibenchini ang TIST amun en tuguk che kigoyai ak kosetai koyae.

**Joseph Kiogora, TIST Quantifier.**

Kiachut TIST en 2006. A tiyei TIST amun kigotestai kotegwan magutikab kandoinatet. Kitoretan si atoret kokwenyun en komaswek che terterchin. A kandoindet ingunon. Kianyuru boroindeab kasit en TIST kou kaitindet. Kitoretan niton arib kapchi nenyun en rabisiek. Kianetgei agobo ngomnatetab computer koyob TIST. Aboiboeni amun angen gobo computer amun en TIST, ago komaaliban agot kiten ak kiranetgei che chang agobo ketikab gaa koyob kanetisiet. Ngunon kemine ketikab gaa en chnongindo.

Kiranyoru borotet koyob jiketab TIST ne ribe maat. Kitoretan niton akonor kwenik che chang ak kotoretan arib ketikyuk. Koyob TIST ko kiranyoru boroinde ketunyen ak biik che terterchin ak kogonon niton kaguiyet ak ngomnatet en bororiosiek alak.

**Help wanted contact persons:  
Susan Kinanu - 0711 - 721 219  
Purity Mugo - 0724 - 119 815  
Mary Kathei - 0726 - 283 425**



## Otoret kaitikwok.

Temikab TIST komiten en mungaretab koristo. Siche meleкто koyob ketit age tugul koyob aldaetab koristo ne kaam ketit. Oret agenge ne kialdaen koristo ko kesich ne nin ,ne tugul ak koitisiet ne ititaat .Echek tugul koyolu ketoret kiotik koyai kasitnywan komie!

Walutik che tesunotiin che bo banganet che kotestai en TIST ko mache koitindet agenge koit klasta 2 agoi 4 chenegitchin. Niton kotoreti ko boos kasarta yon kibendoti ak kobos rabinik che kiboisien en band ache kigiboisien en kasarta ne kibendi koitik kongeten klasta age agoi age che lochin. Yon kagesich bik che lelach che kaginet, koyonene koitindet koyob klasta ne negit ak okwek.

En kanametab boisienyon, koitik komaimuch kongen membaekab kurupisiek che mengechen, ak ole mi mbarenikwak. Klasta nengwong koma moche koib kaitichu kasarta ne o “kochengoti membaek.” kandoikwok konyolu kotet kocheng agenge en okwek (missing agenge en kandoik), ne ingen ole miten kurupisiek che mengech, kobendat ak kaitik ak kotoret en chikchinet ak komie koitichi kurupisiek che mengechen en klastaingwong.

Uindo age ko koitik che kase koma ribotin nyon bendoti en mbarenik che kikobityo missing. Omache komi komie ak koribok klastaingwong! Koitik konyolu komabois en ole kase koma mi komie .Noton, nyolu kobangan kandoikab klasta agobo koitisiet si koitindet kobendoti ak chit oak kogas

komi komie.

Noton anyun, kandoikab klasta, en tuiyetab klasta ne nyonen ,kaigai ongalalen ole wendi kotoreti klastaingwong kaitik en kasartab kaitisiet. Omuche oyanchine ole kebeberwek/kokwatinwek che muche kiit en kasarta ne nin ak chito anan bik che bendote ak koitindet. Oegun any kiboitinikab alak che miach en okwek-otoret kaitindet si kotoretok. Klasta che kitestai kotoret kaitik en boisienyan komie kitinyei logoiwek koyob :

1. Kirua (Mary Mathani)
2. Maritati (Nicholas Kirimi)
3. Salama (Rosemary Mwago)
4. Pondo (Agnes Wambui)
5. Raicheri Podo (Julius Waweru)
6. Runyenye (Bernard Kinyua)
7. Thiira (Mbaabu)
8. Kiegori (Prisila Mukethi)
9. Kawiru MCK (Elizabeth Nkio)
10. Antubochio (Milicent Wambogo)
11. Silimon (Stephen Kirinya)

Ngot kitestai klastaingwony kotoret koitik ago ma kimwa en barak yu, kaigai ingololchi Emelda Kigetu en 0727992040 ak kimuch kesir logoiwechu en kasetitab Mazingira Bora ne isibu. Yon katar banganet klastaingwong kotoret koitik, kaigai kora ngalachin Emelda ak igoi logoiwek.

Ibwat ; KOITISIET NE MIE=KORISTO NE O=LIBANET NE MI BARAK!

## USAID ko gigon toretet kogeny kotoret TIST en banganetab minsetab ketikab gaa.

USAID, ko agenge en choronok che toreti ge ak temikab TIST en minsetab ketikab gaa. Ngandan ketikab gaa komagonu koristo neo kosir ketik alak, minset ak ribsetab ketikab gaa kogonu borotetab kotugul ak kogochi chametabgei temik ak timwek. USAID kotese tai kotoretech en libanetab ketigab gaa en ole rube gei ak ainoisiek. Kurupisiek kogitestai konoyr chamchinet keliban koyob boisienyan ne mie, ak kowendi konyoru rabinikchu mi barak en libanet ne nyonen.

Koyob kanetisiosiek che kigenyuru en yomtaani. Kechopchinigei kegonun ole kilibandoi si kogimit temik che chang komin ketikab gaa ak kogeer borotetab ketichu en imbarenikwak.

Bo kamanut ke nai kole rabibichu komiten amun

en toretetab USAID. Nesire libanetab ketik, ne siche libanet koyob aldaetab koristo ak komuch kwo en kasartab kenysisiek 30, libanani bo ketikab gaa komuch ko nwaach, tiengei toretet koyob emotinwek alak. En ngunon ketese tai konyoru toretet en ketikab gaa agoi kenytib 2013. Kiyome konyorun toretet age si kimuch kigoiten rabinichu en kasarta ne koi kiten.

Yon imin ketikab gaa raini! Geer timwek che terterchin che negitin ak iteben bikaab kokwengung ak alak en klasta agobo ketikab gaa che kororon che imuch korut en olingwong. Acacias, podocarpus, waterbeery, prunus, Cordia africana, figs ak che chang alak chebo gaa che tinyei borotet ne o yon kagimin.



## **Baruet ne yatat koitchi TIST –koitikab Kenya kongoi agobo borotet en nyorunetab validation ak verification.**

kasire Charles E.Williams,CAAC Vice president.

Ko u yeongen,TIST kogikinaame si kotoret en ngalekab timwek ak minsetab ketik ak keboisien koristo ne kigonoren ketik en oret ne kinyorunen kelchinet en temik.Kewal koristo koek kelchinet ko kiit ne u ak en chobetab banganet ne itchin temik che sire 50000 ko kiit ne ui missing.Noton anyun,echek en TIST kiyani en kila kele imugaksei, ngadan kimache tuguk che kiboisien che choton.Ole kigeertoi boisiet ko kiagenge en walutik,ngandan mashinisiek ak computer koma kiy,koma bik che boisien ngomnatet.

Kou kaitindetab TIST, ko itinyei boroinde iyum logoiwek che kimache en International Carbon Market.Mache betusiek che chang che kibendoti kinetgei keboisien computer ne bo neut ak Gps keibe mbarenik komie,inyit ketik che sire 100 ak iit komie. Chuton tugul ko kibwa en kenyit ne kosirtoi amun kigikoiten logoiywek agobo boisienyon en Verified Carbon Standards (VCS) ak Climate, Community and Biodiversity Standards (CCB). Mbarenikab TIST che kinyor magutichu

kokigiyan. Abaibai ale mbarenikwok alak ko kinyor chigilon ak kayana ni ui.

Ki kobwa Validators/Verifiers en arawetab 12, konyon kochigil imbarenik,en let ko kinyor “kit “ ne TIST ko.Ne kitageere timwek che bo kila ko kigeere ketik che mi mbarenik.Kimachopchigei nito.Kiyaach kondengwony mashinisiekwak che kiboisien en timwek ak kocheng oret age ne kimuche kochigilen mbarenik.Kingomwa kole bendi kochenge koleweni ketit agenge an kenyit ak konaam koit ketichoton ko kiabwat niton kowendi kogochin yomset boisietab koitik konyor imanda.

Ngandan okwek alak ak choronokwaok ko kioistegei.Ko makitebenak,kiomuch oruaaten en imbarenik,onyoru ketik che choton ak koboru kayanet ne o nebo imandaab ketik ak oboru tolochikab TIST .Koyob noton en arawetab muut en kenyini,kokigisich keegun ne tai en NGWONY kesich chamchinetusik aeng che mi VCS ak CCB. Otaach kongoi nenyun neyobu muguleldo. Kongoi missing!

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## **Walunetab TIST agobo nusut ne kiwo ngwony ngekerchin ak dolait nebo USA - libanetab ketik ne kigiwal.**

Nusutab Kenya ko gitestai konyo ngwony ak rabinikab ematuniwek alak.En aba kora, alietab tuguk ak kogochinoik kogitestai koba barak. TIST ko tesetai kowal libnetab ketik si kogeergeit ak walunet ne mi en nguni. TIST ko libani sentisiek aeng chebo US (\$0.02) en ketit age tugul, ne kagiit en kenyit ge tugul.

En 2005 ,kingonaam TIST, shillingisiekab Kenya kokigiwalen Ksh75.00 en dolait agenge ne bo US . Noton en walutichu en \$ 2 US ko gi Ksh 1.50 agoi Ksh1.80.

Raini,wolutik ko Ksh 88-92 en dolait ne bo

US.TIST ko ibe kwenet Ksh 90 en dolait. Noton anyun kewale libanetab ketit kongeten Ksh 1.50 agoi Ksh 1.80 .

Gaikai nai ile walutik ko walaksei kongeten kasarta agoi kasarta.Yon kawalak en tun kowale TIST en oret ne u ni.

Ibwat , si kenyor borotet ne mi barak kobo kamanut, ketestai kemin ketik alak che chang.

Ketik che chang che kemin ak irib kosobcho, en boroindaab 2m ak barak,kogonin rabinik che chang ak inyoru baratosiek alak che chang chebo ketik.





## TIST : Borotet ne bo timwek koyob misetab ketik.

En TIST ,kemine ketik asi kialden koristo ak kenyoru ak kenyoru rabisiek koyob aldaenoton.Ngandan ,borotosiek alak chebo ketik ko chang!Chu koborotosiek alak che kinyoru (ak bik alak en ngwony) keboiboenchini:

- Yon ka kimin ketik ak keboiboiet tiongik che nyoru ribset en ketik ak kogochi amitwogik.
- Ketik kotoreti koun koristo ak kobos weget.Ketik ko istoi koristo ne ya ak koriswek alk che weche emet cheu sulphur dioxide,ozone ak nitrogen oxide.En walunet kogon oxygen ne kimache en sobet.
- Minetab ketik kogochin emet kororindo
- Keretab emet kewale koyob minsetab ketik ne koyob kotoreti en sobet .Ketik che nyolilen kotese en kararindo ak kogon timwek che kororon.
- Ketik kowale itonwekab barak en bosetab asista,koristo ak robta.Toreti en maranet ne o butuletab tulonok ak ibetab ngungunyek.
- Ketik kobose ibetab ngungunyek amun igimite

ngungunyek tigitik che katagimuche keib yan karobon ak komaran.Ketik kora kotoldoli ngungunyek.Ngungunyek che kimen kosibtoi amitwogik che wendi kotoreti chito .

- Ketik kobose cheet.Bollet kimuche kebos en ole lo yon ka kimin keti k che chang.
- Minsetab ketik kooret ne kararan ne kibosen maranosiek.Ketik kora kobose asenet ne konu maranet,toreti kochut beek chebo robta ngwony nikaitendene .
- Magetab beek che tilien kimuche kenyor koyob minsetab ketikab gaa.Timwek ak ketik che rutu kobose beek che katarwae ak komuch kochuchugan.Yon metinyei kimnatet beek che karoboni komuch kochut ngwony ak ko konorak en tangisiek ana ainet.Toreti kora,beek komatuiyo ak chebo chumbik che mi nyanchosiek.niton ko bo komonut missing amun ibe kasarta ne goi kotuiyo beekab chumbik koweek en sungukanetab beek.

## Kasagen, ak itech TIST kogaranit missing! Ngunon ko kasarta ne kichopchin gei lewenisietab tononikab council.

TIST ko ngo?Echek! Kiterterchin, komi klasta che sire 100 en ole negitchin ak Mt Kenya, en Mbeere, en Mara ak Mau.Yon kiteke tai keechegitun, kemache kegeer kele kagasak sautisiek yok che terterchin ak geerenyon ko kagasak.Yon kwonyik ak Murenik, che yosen ak che mengech che yobu komaswek che ter terchin kopchei logoiwek ,keyaei TIST kotestai koet ak koet koboisiechi temik tugul che bo TIST en Kenya.

Ngunon ko kasarta, ne nyolu ongalalen en klastaingwong olewen chito ne imuch kotoret kopcheita logoiwek kogasak koyob kurupisiekab klasta.

Kurupitab klasta koklasta 2-4 che negitin missing che imuch kopchei machinisiek ak kanetisoesiek che tinyei.Koite arawetab 11 tarikit 15,kurupisiekab klasta age tugul konyolu kolewen tonondoindeywan ne wendi GOC Council. Kandoichu koma kandoikab klasta ,anan koitik anan ko chigilik. Nekata , ko kandoik che kakilewen che boisie en kasartab arawek lo .Klasta ege tugul konyolu kolewen muren ak kwony, ak kandoik 4 -8

che tuitos en arawet age tugul .

Ye ibata,age tugul en GOC koleweni muren agenge ak kwony agenge asi kotononchi oldanywan en Regional Council.Regional Council kotinyei membaek kongeten 6 -24 kotiengei klastaisiek kit ne ten ak kurupisiekab klasta che mi oloton.Kandoik che mi Regional Council kotuitos konyil agenge en arawet.Age tugul en Regional Council koleweni muren ak kwony agenge ne wendi Leadership Council.LC kotuitos kila arawa ak “kandoik che kigilewen”.

Banganani ko toreti en itetab tononchinetabge ,si komuch banganetab TIST koib logoiwekab kamanut en tuiyetab klasta ak kimuch kisipto logoiwechu en chokchinet koba barak.En kakwautiet age tugul logoiwek kimuch kengalalen ak kegon walutik.

Kenyorunmagutikyok,kemache bik che konugei missing.Ongalal en klastaingwong agobo chito ne omache kobois en kurupisiekab klasta.Boroindo ne o kinetge ak kegon walutik en klastaingwong ak en TIST ko mogul.