

Mazingira Bora

Newsletter April 2025

tist Growing Trees
Growing Leaders

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

English Version

TIST is an innovative, time - tested, afforestation program led by the participants.



TIST: Cluster Leaders seminar held March 24 - 28, 2025 in Ruiru, Kenya.

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TIST: Important Reminder – New Groups, New Groves, New Trees.

When NEW farmers join TIST, they often ask whether their existing trees in their farms will be counted as TIST Trees for Carbon business. The answer to this is **NOT YET!** Right Now - New Groves should have New Trees.

Carbon projects are initiatives designed to reduce, avoid or remove Greenhouse gas (GhG) emissions from the atmosphere. In some cases, these projects generate **carbon credits** that can be sold in compliance and voluntary markets and earn revenue/income for the project.

There are many categories for different carbon projects. Examples are

1. Afforestation, Reforestation (A/R) carbon project – TIST
2. Reducing Emissions from Deforestation & Degradation (REDD+)
3. Energy Efficiency projects such as Cookstoves
4. Soil carbon Sequestration e.g. adopting Conservation Farming
5. And many more.

TIST currently operates under Afforestation, Reforestation (A/R) carbon project. This category requires the project to plant NEW trees (afforestation) or restoring forests (reforestation) in areas where forests were previously absent or degraded.

In other words, in order for TIST members to earn Carbon Credits, they need to establish new forests (Groves) on non-forested land (afforestation) or replanting trees in deforested or degraded areas (reforestation) in areas that were not a forest in the last 10 years. To earn carbon credits under this category, the carbon Accounting measures look at the amount of carbon removals from the atmosphere as trees grow.

To summarize, in order for your Trees to qualify for A/R carbon credits, you should plant new trees when you join TIST. In the same note, if you establish a new TIST Grove, that Grove should also have new trees.

It is important to note TIST gets audited by international Verifiers who must ensure we are adhering to the rules under Afforestation, Reforestation (A/R) methodology. Today, the world technology is so advanced that people in faraway continents can know when your trees were planted. If one farmer is caught cheating, all of TIST suffers.

Therefore, let's all remain Honest, Accurate and Transparent in our TIST and other daily activities. When a Cluster Servant visit your farm, let them know the Accurate age of your trees. If some of them were planted before the Small Group knew about TIST, will be considered **Baseline Trees**. TIST is now working to develop the ability to have the Baseline Trees also count toward carbon credits. We will keep you informed as we make progress!

We should ALL help others TIST Farmers understand Carbon Business.



TIST: Leadership and Governance in your Cluster.

Today, TIST has more than 400 Clusters. In each Cluster, Servant Leaders support our success and share their strengths. Each Cluster has governance and leadership as follows:

Elected Cluster Leadership:-

- Cluster Leader.
- Cluster Co-leader.
- Cluster Accountability Person.

Cluster Leaders, Co-leaders, and Accountability Person serve in each position for a period of four months. After four months of service, the Cluster Leader rotates out. The Co-leader becomes the Leader, while the Accountability person becomes the Co-leader.

Women and men alternate in the elections. If the Accountability Person is a man, the next one elected will be a woman. Your Cluster should democratically elect a new Accountability Person. Cluster elections are important and mandatory for all TIST Clusters.

Role of Cluster Leadership.

Role of a Leader.

- 1) Should be a servant to the whole Cluster and exemplify TIST Values.
- 2) Leads/facilitates Cluster activities: coordinates Cluster meeting, quantification, and training schedules with other servant leaders.
- 3) Motivates groups to achieve big results, especially planting trees, using TIST Best Practices like CF.

- 4) Helps the Cluster to remain strong and united.
- 5) Helps plan for well-organized Cluster meetings with other servant leaders and making sure the meetings are properly led and trained.
- 6) Works with Accountability Person to ensure that Cluster Meeting and Accounting records are kept properly.
- 7) Works with Accountability Person and Cluster Servant to ensure monthly Cluster reports and Account reports are accurate and sent.
- 8) Helps recruit and train more Small Groups to be registered.
- 9) Helps Small Groups have their Greenhouse Gas contracts signed, scanned, and uploaded, if necessary.
- 10) Welcomes and introduces any new visitor who might attend the meeting.
- 11) For payments, they get vouchers and other materials ready before Cluster meetings. Works with Accountability Person to make sure the proper payment process is followed, and communicates any questions or problems to TIST leaders and Cluster Servants. They remind Small Group members of the next meeting.

Role of an Accountability Person.

- 1) Receives Cluster Budget and announces amount received and spent at each Cluster meeting.
- 2) Works with the Cluster to plan how to use the Cluster Budget to achieve big results.
- 3) Keeps and maintains Cluster records in an organized Cluster record book, accurately and in proper condition.



- 4) Allows inspection of Cluster records by Cluster members and TIST leaders.
- 5) Organizes with Cluster Servant to send both Monthly Cluster meeting and Accounting reports every month.
- 6) Trains the next accountability person.
- 7) Helps and supports other servants to serve the Small Groups.
- 8) During payments, they hand out vouchers to groups with at least two members present, review vouchers, communicate with payment support coordinators, and follow the payment process accurately and honestly.
- 9) Evaluates Quality of Cluster Trainings and reports to GOCC.
- 10) Attend GOCC meetings as Cluster Council Representative.

Role of a Co-leader

- 1) Takes over when the Leader is not there, while the Co-leader is to serve both the Cluster members and the Cluster leader.
- 2) Helps keep time during Cluster meetings.
- 3) Takes records during the Cluster meetings.
- 4) Read the previous minutes to the meeting and keep record of the minutes and discussion held in the Cluster.
- 5) Helps train newly elected Accountability People.
- 6) Evaluate quality of Cluster Trainings and report to GOCC.

- 7) Attend GOCC meetings as Cluster Council Representative.

Role of Group of Clusters Council Representatives.

- 1) Discover and share Best Practices from Clusters.
- 2) Assure high quality training for the Clusters following TIST Values.
- 3) Assure high quality quantification following TIST Values.
- 4) Maintain working equipment for training and quantification.
- 5) Report concerns and make recommendations for policies to the Leadership Council.
- 6) Expand TIST through present Clusters.
- 7) Hold Administrative Hearings if a Cluster Servant is suspended, to investigate facts and make recommendations on suspension.
- 8) Hold Administrative Hearings if a Cluster Leader is not following TIST Values.
- 9) Recommend people from the Group of Clusters for additional TIST responsibilities such as Auditor, TSE, or Master Trainer and other responsibilities.
- 10) Receive Quality of Training Evaluation reports and send them to the Leadership Council.



TIST: Small Group Techniques: Group interaction.

a) *What is the best way to arrange people during a Small Group meeting?*

A small circle is the best. Don't have a table because it creates barriers between people. Don't have a chair and a large seat for the most important person. In TIST, we all sit the same way. We either all sit on the ground, or we all sit on chairs.

b) *What do you do if more than twelve people want to join your group?*

If there are more than twelve people interested in joining your group, it is best to form a new group. The group can multiply with two, or three or four members of the original group forming the core of the new group. This is better than one member trying to start a group alone. Remember to start using rotating leadership straight away.

c) *What techniques can you use if the group energy is low?*

Split up the group into pairs and get each pair to talk about the task. Dramas also help.

Sometimes stopping and each person saying something good that their group is doing can also motivate people again. Also remember to keep the meeting from becoming too long. By having a Co-leader who is keeping time, you can focus the group's energy on making sure the work gets done in the agreed upon time period.

Meeting Schedule:

To manage time well, a Small Group should have a well-organized meeting schedule. This is important because it will help you keep focus on your agenda and the most important activities. It is also important because in TIST, we commit to work together for the long-term to improve our farms and grow and maintain our trees for the carbon market. We need to know our fellow Small Group members well, since each person's actions impact our whole group and all of TIST.

It is important, too, for your Small Group to have regular meetings, preferably once a week

or once in two weeks. This will give all members in your group an opportunity to strengthen your group and share and learn new ideas.

During your meeting, it is necessary to focus on important issues. Many TIST Small Groups have found the process below as a Best Practice for successful meetings:

Step I. Greetings and introductions for any new members (5 – 15 minutes):

Make sure everyone feels welcomed. Make it brief but let each person introduce him or herself.

Step II. Opening prayer (2 minutes):

A short word of prayer can help the group unite.

Step III. Songs (5 minutes):

These could be songs written by your group, or songs that encourage people such as religious songs.

Step IV. Agreement on task and time (5 minutes):

The meeting's leader explains what was planned for the meeting and the group members discuss and then agree on what the agenda should be. The time spent on each task or discussion should be agreed so that the co-leader can help keep the meeting on time.

Step V. Group work on tasks (1 hour):

Ideally, tasks should have been discussed at the end of the last meeting. Tasks might include sharing what each person has done to help TIST activities, sharing Best Practices, training on some subject of interest, and any other important issue that will help your Small Group to prosper.

Step VI. Kujengana (5 minutes):

Each group member makes one positive, specific statement to that week's leader about his or her observable leadership of the meeting. In addition, anyone may identify a gift seen in the leader.

Step VII. Closing prayer (2 minutes)



TIST: Trees make the environment better for us all.

In TIST, we plant trees to take part in the carbon 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 natural habitat to support a wide variety of flora and fauna. They provide a sense of privacy and security to wildlife seeking shelter in the woods and provide them with food. Protecting biodiversity makes our farms and our planet more productive and resilient to climate change and other challenges.
- ☐ Trees improve the quality of air and reduce dangerous pollution. Trees remove excess carbon dioxide and air pollutants including sulfur dioxide, ozone, and nitrogen oxide. In return, they give us oxygen required for life.
- ☐ 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 moderate flood hazards by allowing the rainwater to percolate into the soil instead of running over it.
- ☐ Trees reduce soil erosion. Their roots bind soil that would otherwise wash away in rainstorms and floods. 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.
- ☐ The demand for clean drinking water can be met by planting indigenous trees. Forests and plant cover naturally slows the runoff of rainwater and filters it into the soil. Once slowed, rainwater seeps down to refill underground aquifers we depend on for our use. Trees also shade rivers, keeping water cool, and slowing its loss through evaporation.

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Kimereu Version

TIST is an innovative, time - tested, afforestation program led by the participants.



TIST: Semina ya Viongozi wa Cluster iliyofanyika Machi 24 - 28, 2025 Ruiru, Kenya.

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TIST: Kiririkania kia gitumi - Ikundi injeru, miunda imieru, miti imieru.

Riria arimi eeru bathungira ndeene ya TIST, niboragia kethira miti iria ithagirwa ndeene ya muunda yomba gutarwa ja miti ya TIST niuntu bwa biashara ya kaboni. Macokio ja kiria **giki ni Ari**, kagita gatakinya! Kagitene gaka - miunda imieru nonkinya iandwe miti imieru.

Miradi ya kaboni ni mibango ya kunyihia, kurigiriria kana kurita ngasi cia greenhouse (GhG) kuuma kiri riera. Kagita kamwe, miradi iji ni ithithagia **kaboni krediti** iria ciumba kwendua thokone ciegie mawatho na ingi cia kwiritira na kuumba kuleta mbeca kiri muradi.

Kuri na iwango mwanya cia miradi ya kaboni. Kwa ngerekano:-

1. Kuanda miti kuria gutari na miti, kuanda miti ringi kuria kwaritirwe miti (A/R) muradi wa kaboni- TIST.
2. Kunyia ruuko rugone rureti ni ugitangi miitu na na kwinyangika kwa miunda (REDD+).
3. Utumiri umukai wa nku ja mariko ja kuruga.
4. Kaboni kumania na mithetu ja kuthithia urimi bubwega (CF).
5. Na ingi inyingi.

TIST nandi itumagira kiwango kia kuanda miti kuria gutari na miti, kuanda miti ringi guntu kuria yaandi yatemwa (A/R). Kiwango giki, gitikagiiria uandi wa miti imieru kuria gutari na miti kana kuanda miti ingi imieru kuria miti yariti kuria gutari na miitu kana yenyangua.

Na njira ingi, Nikenda arimi a TIST boomba

kwona mbeca cia Kaboni, nonkinya baande miitu imieru (miunda) guntu kuria gutina miitu kana baande miti ingi imieru guntu kuria kwari miitu kagita yenyangua kana kuria miunda yenyangitue. Guntu ja guku nonkinya kwithirwe gutari mwitu mia ikumi miituku. Kugwata mbeca cia kaboni kiri kiwango giki, njira cia gutegeera kaboni ni kwona ni kaboni ing'ana iriti rerene o uria miti igukura.

Kwa njira ikuhi, nikenda miti yaku yona mbeca kiri muradi juu jwa A/R, nonkinya ukaanda miti imieru riria wathungira ndeene ya TIST. Na ringi, riria wagia kamunda kangi ga TIST, kamuunda gaka nonkinya kethirwe kari na miti imieru.

Nibwega kumenya ati TIST ni itegagirwa ngugi yayo ni Verifiers kuuma oome ya nthiguru baria batigagiira ni tukuthingatiira mawatho ja kuanda miti imieru, kuanda ringi miti imieru kuria yatemi (A/R) methodology. Narua iji, technology ya nthiguru iri kirathi kia iguru muno ati bari kuraja na natwi boomba kumenya riria miti yaku yaandi. Kethira murimi umwe akugwatwa akiria marongo, muradi jwa TIST junthe ni jionaga thina.

Niuntu bubu, nituikare turi antu ba gwitikua, antu ba uuma bungwa na antu bari na utheri kiri ngugi cia TIST na ngugi ingi cia umuthenya. Riria mutari miti eja muundene jwaku, tiigiira niakumenya miaka yongwa ya miti yaku. Kethira miti imwe ni yaandi mbere ya gakundi kumenya TIST, miti iji ijukagua iri **baseline trees** (kana miti imikuru). TIST ni igwita ngugi kwona miti iji kethira yomba gutarwa ikareta mbeca cia kaboni. Tugeeta mbere gukumenyithia o uria tugwita mbere!

Nonkinya twinthe tutethie arimi bangi ba TIST kumenya biashara ya kaboni.



Utongeria na witi na mbere ndene ya Cluster.

Narua, TIST irina cluser nkuruki ya igana mirong inana 180. O kiri Cluster atongeria, ibagwatagwa mbaru witi na mbere na inya yetu. Witi na mbere na utongeria bwa Cluster ita uju:

Kuthurwa kwa mutongeria wa cluster.

- Mutongeria wa Cluster.
- Munini wa mutongeria.
- Mwitithia na mbere Cluster.

Atongeria ba Cluster, anini bao, na etithia mbere barungamaira o giti kagita ka mieri ina (4 months). Mieri ina ya ngugi ya thira, bakagaruranua. Munini wa mutongeria akaethua munene, nawe mwitithia mantu na mbere akaethua munini wa mutongeria. Aka na arume kaba garukanaga kagita ka ihuranu. Kethira mwitithia mbere wa gikundi arari ntomurume, uria ungi akathurwa akethirwa ari muntu muka. Ithurano bia Cluster I bia bata na bi bati kuthithwa ni clusters cionthe cia TIST.

Ngugi ya utongeria bwa cluster.

Ngugi ya mutongeria.

- 1) Ethirwe agitungataira Cluster yonthe na kwonania mikarire ya TIST.
- 2) Gwitithia mbere manto ja Clusters, kubanga micemanio, gutaara na gwitana amwe na aiti ngugi bangi.
- 3) Gwikira inya ikundi kenda biona uumithio nkuruki ta, kuanda miti, na kuthithia CF. Guteetheria Cluster igia na inya na gwataniro.

- 4) Guteetheria kubanga na witi na mbere bwa micemanio ya Cluster na atongeria bangi.
- 5) Gwitanira ngugi na mwitithia mbere wa mibango kenda ripoti na mathabu ja cluster o mweri jagutumwa jaticereri.
- 6) Gutetheria kuthurwa na kuandikithua kwa tukundi tunini.
- 7) Guteetheria Green House Gas cia tukundi tunini ciitikirua.
- 8) Kugwata ugeni muntu umweru uria umba kuriungira gikundi mucemanione.
- 9) Marii: Kuthuranira into bionthe biria bikwendekana mbere ya mucemanio. Gwitanira ngugi na muntu wa accountability kenda amenya njira yonthe ya marii nithingati bwega, kwaraniria mobatu na mathiina kiri anene ba TIST na atongeria ba Cluster.
- 10) Kurikania amemba ba tukundi tunini mucemanio juu jungi.

Ngugi ya muntu wa witi na mbere.

- 1) Kujukia na kuuga bajeti ya Cluster na uria itumirikite kiri o mucemanio jwa cluster.
- 2) Gwitaniria ngugi na Cluster kubanga uria bajeti igaita maciara.
- 3) Gwika na kumenyera mauku na recondi cionthe cia Cluster.



- 4) Gwitikiria gutegwa kwa recondi cia cluster ni amemba ba Cluster na anene ba TIST.
- 5) Gutuma ripoti cionthe cia micemano ya o mweri na mathabu.
- 6) Kuritana muntu uu ungi wa akaunti.
- 7) Gutetheria na guikira inya ariti bangi ba ngugi gutetheria tukundi tunini.
- 8) Igita ria marii: kunenkanira vucha kiri gikundi kiria amemba bairi bariku, gutega vucha, kwaraniria na antu ba marii na kuthingatiria njira ya marii nierekene.
- 9) Gutalama moritani ja Cluster na ripoti cia GOCC.
- 10) Gwita micemano ya GOCC ja Murungamiri wa Council wa Cluster.

Ngugi cia munini wa mutongeria.

- 1) Gutongeria riria mutongeria atiku. Gutungatira amemba ba cluster na mutongeria wa cluster.
- 2) Gutetheria igita ria micemano ya Cluster kiri gwiki mathaa.
- 3) Kuandika mibango igita ria micemano ya Cluster.
- 4) Kuthoma miniti cia mucemano juria jwathirire.
- 5) Gwiki mantu ja gikundi na ndwaria iria ciaragua kiri mucemano.

- 6) Gutetheria kuritana muntu umweru kiri ngugi cia mathabu.
- 7) Gwita micemano ya GOCC ja murungamiri wa Council wa Cluster.

Ngugi Ya Atoongeria Ba Kanju ya Ikundi bia Cluster.

- 1) Kumenya na kugaa mantu jaria mega ja o Cluster.
- 2) Kurikithia kwina kuritana kwa njira ee iguru kiri clusters kuthingata utungata bwa TIST.
- 3) Kurikithia umenyeeri bwa iguru buria bukuthingata mantu ja TIST.
- 4) Kumenyeera into bia ngugi bia kurita.
- 5) Kuuga na kwariria mantu jaria jabatere niuntu bwa urungamiri bwa Council.
- 6) Kwaramia TIST gukuriira cluster iria iri o.
- 7) Gwiki micemano ya kuthikiira mantu mwiti o ngugi o cluster na kuthingatiira kenda arungikwa.
- 8) Gwiki micemano ya mutongeeria uria utikuthingatiira mathithia ja TIST.
- 9) Gwikiira antu ba ikundi bia clusters ngugi ingi cia TIST ja auditor, TSE, Master Trainer na ingi inyingi.
- 10) Kwamukira uritani bwa gutalama riboti na gutuma kiri utongeria bwa council.



TIST: Njira cia ikundi bibinini: Gukaranira gwa gikundi.

a) *Ni njira iriku iri injega buru ya kubangania antu mucemanione jwa gikundi gikinini?*

Kithiururi gikinini ni njira iria njega buru. Gukethirwa kurina metha niuntu nitumaga gukagia kigitaria gati gati ka antu. Gukethirwa kurina giti kana giti gikinene kia muntu uria urina gitio kiria kinene buru. Ndene ya TIST, twinthe tukaraga nthi na njira imwe. Twinthe tukaraga nthi muthetune kana tugakarira iti

b) *Niatia buumba kuthithia kethira antu nkuruki ya ikumi na bairi ibakwenda gutonya gikundine kienu?*

Kethira kurina antu nkuruki ya ikumi na bairi baria bakwenda gutonya gikundine kienu, ni bwega nkuruki kwambiria gikundi gikieru. Gikundi nokigaane jairi, kana amemba bathatu kana banna ba gikundi kiu gikuru baambie gikundi gikieru. Iji ni njira injega nkuruki ya mumemba umwe kugeria kwambiria gikundi wenka. Ririkana kwambiria utongerira bwa kithiuruko orio.

c) *Ni njira iriku umba gutumira kethira inya ya gikundi iri nthiguru?*

Gaana gikundi kie antu bairi bairi na antu bau bairi baririe ngugi iria irio. Matinda kinya jo nijatethagia. Rimwe na rimwe kurungamithia na kuuria o muntu auge gintu kimwe gikiega kiria gikundi kienu gikuthithia o gutethia gwekira antu motisha ingi. Ririkana kinya kumenyeera ati mucemano jutarea mono. Na njira ya kwithirwa kurina muthetheria wa mutongerira wa gwika mathaa, bukomba kwerekeria inya ya gikundi kiri kumenyeera ati ngugi ikathithika ndene ya mathaa jaria ibangiri.

Mubango jwa mucemano.

Kenda mathaa jatumika bwega, gikundi gikinini nikibati kwithirwa kiri na mubango jubangi bwega jwa gwitithia mucemano. Bubu burina bata niuntu bugatetheria kumenyeera ati mathuganio nijerekerete mantu jaria jabangiri na mantu jaria jarina bata nkuruki. Kinya burina bata niuntu ndene ya TIST, nituciritahira gwitaniria ngugi amwe kenda igitene riraja tukura na twika miti yetu bwega niuntu bwa thoko ya ruugo. Nitugwitia kumenya amemba ba gikundi gietu gikinini bwega niuntu mathithio ja o muntu nijathithagia mwanya kiri gikundi na TIST yonthe.

Kairi burina bata gikundi giaku kinini gwita micemano ya igita nyuma ya igita, mono o kiumia kana rimwe ndene ya biumia biiri. Bubu bukaa

amemba bonthe ndene ya gikundi giaku kanya ga gwikira gikundi inya na kugaana na kuthoma mantu jameru.

Mucemanione, kurina bata kwerekeria mathuganio mantune jaria jarina bata nkuruki. Ikundi bibinini bibingi bia TIST nibionete njira iji iri mwitire juria mwega buru kiri kuthithia micemano ya bata:

Itagarira ria mbele. Gukethania na gucimenyanithia kwa amemba baaberu (Dagika ithano gwita ikumi na ithano): Menyeera ati muntu wonthe nakwigua ang'anirite. Dagika inkai itumirwe indi umenye ati o muntu nakwimenyithania wengwa.

Itagarira ria jairi. Iromba ria kwambiria (Dagika ijiri): Iromba ririkui noritethia kureta gikundi amwe.

Itagarira ria jathatu. Ndwimbo (Dagika ithano): Iji nociithirwe ciandiki ni gikundi kienu kana ndwimbo cia gwikira antu inya ta ndwimbo cia kidini.

Itagarira ria janna. Gwitikaniria ngugi na mathaa (Dagika ithano): Mutongerira naugaga jaria jakathithua mucemanione na amemba ba gikundi bagetikaniria kurita ngugi iu. Mathaa jaria jagatumika kuthithia o ngugi kana kwaraniria nijabati gwitikanirua nikenda mutetheria wa mutongerira agatetheria gwika mathaa ja mucemano.

Itagarira ria jatano. Gikundi gikarita ngugi iria irio (Ithaa rimwe): Kiri njira iria bwega buru, ngugi nicibati kwithirwa ciaariritue mucemano jugikinya muthia. Ngugi nociithirwe ciri amwe na kugaana jaria o muntu athithitie gutethia mantu ja TIST, kugaana mitire iria miega buru, kuritana kwegie mantu jaria antu bakwenda na gintu kingi kiria kirina bata na kiria gigatethia gikundi giaku gwita na mbele.

Itagarira ria jatantatu. Gwakana (Dagika ithano): O mumemba wa gikundi auge gintu kimwe gikiega kiri mutongerira wa kiumia kiu kwegie utongerira buria bwonekete ndene ya mucemano. Kwongera, muntu omba kuuga kiewa kiria oonete ndene ya mutongerira ou.

Itagarira ria mugwanja. Iromba ria kuthiria (Dagika ijiri):



TIST: Miti nitumaga naria gututhiurukite gukethira kuthongi nkuruki kiri batwi twinthe.

Ndene ya TIST, nituandaga miti nikenda tuumba gutonya thokone ya ruugo na twona mbeba kuumania na kwendia ruugo. Indi-ri, baita ingi cia miti ni inene!

Aja ni baita imwe inkai iria batwi (na nthiguru yonthe) twonaga:

- ☐ Miti ni gikaro kia mithemba imingi ya imera na nyomoo. Niiejanaga antu a gucioga kuumania na bangi na gicitho kiri nyomoo cia kithaka iria cigucua gikaro mitine na kucia irio. Gukaria mithemba imingi ya nyomoo na imera nigutumaga miunda yetu na nthiguru yetu ikagia maciara jamaingi nkuruki na ikaregana na kugaruka kwa rera na magitaria jangi.
- ☐ Miti nithongomagia ruugo na ikanyiyia kuthukua gukuthuku kwa naria gututhiurukite. Miti niritaga ruugo ruruthuku rwaingia na bingi biria bithukagia ruugo ta sulfur dioxide, ozone na nitrogen oxide. Gucokia, nituejaga ruugo rurwega ruria rendekaga kiri utuuro.
- ☐ Uthongi kiri metho bwa miunda nibuthongomagua ni kuanda miti, naku gukathongomia miturire. Rangi ya miti niongagira miunda rangi na kuthongomia uthongi bwa kimbicha bwa naria gututhiurukite.
- ☐ Miti nigaruraga rera na njira ya kunyiyia jaria jaumanagia na riua, ruugo na mbura. Miti noitethie kurigiria kuigara kwa ruuji, kwaruka kwa nthi na magitaria ja ruugo. Miti ninyiagia mathukia ja mbura inyingi na njira ya kureka ruuji rwa ngai rutonya muthetune antu a guitira iguru ruri muguo.
- ☐ Miti ninyiagia gukamatwa kwa muthetu. Miri yayo nigwataga muthetu juria antune angi juringi gukamatwa mburene. Miti kinya nitethagia kunoria muthetu. Muthetu jumunoru nijuikagira irio nutrient na kwou bikathongomia thiria ya miri.
- ☐ Miti nijukagia gituma na njira inene. Kuthukia kwa naria gututhiurukite ni gituma kwomba kunyiwua na njira inene na njira ya kuanda miti ingi na ingi.
- ☐ Kwendeka kwa ruuji rurutheru rwa kunyua kwomba gutetheka na njira ya kuanda miti ya gintwire. Miitu na imera nibinyiagia kumatuka kwa ruuji rwa ngai na kurukemba mbele ya rutonya muthetune. Kumatuka kwaru kwanyiwua, ruuji rwa ngai nirutonyaga nthi kuujuria marinya jaria jari ndene muthetune na jaria jari bata mono kiritwi. Miti kairi nikunikagira nduuji, ruuji rugakara rurina mpio na mpaari ikanyiyia kuura kwa ruuji gukurukira kujukua ni riua.

Mazingira Bora

Newsletter April 2025

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Kikuyu Version

TIST is an innovative, time - tested, afforestation program led by the participants.



TIST: Atongoria a Cluster mari seminar iria yekirwo mweri 24 - 28, 2025 Ruiru, Kenya.

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TIST: Kiririkano kia bata – Ngurubu Njeru, Gikundi Kieru, Miti Mieru.

Riria arimi eru maingira TIST, ni moragia kana miti yao iria mari nayo migunda-ini yao no itarwo thiini wa biacara ya TIST ya Carbon. Anja ni **ACA!** Mahinda maya – Ikundi nini cibatie gukorwo na miti mieru.

Projects cia Carbon ciambiriirio kunyihia, kweheria kana kunina kuruta Greenhouse gas (GhG) kuma riera-ini. Mahinda mangi, mibango ino irutaga **carbon credits** iria cingiendio kuringana na uigiririki na kwirutira thoko-ini na kugia na mbeca kumanagia na mubango uyu.

Kuri na ikundi nyingi cia carbon projects. Kwa muhiano:-

1. Kuhanda miti, kwongerera uhandi wa miti (Afforestation, Reforestation (A/R)) carbon project – TIST.
2. Kunyihia kura kwa riera kumanagia Deforestation & Degradation (REDD+).
3. Mahuthiro ma mwaki wa riko ta Cookstoves.
4. Ugitiri wa tiri ta kumenyerera tiri ukirima.
5. Na mangi mainigi.

TIST mahinda maya iraruta wira rungu rwa Afforestation, Reforestation (A/R) carbon project. Ngurubu ino irabatarania project kubanga uhandi wa miti mieru (afforestation) kana gucokia mititu (reforestation) kuria mititu yari kana kuria mititu yatheririo.

Hamwe na uguo, niguu mumemba wa TIST agie na mbeca cia Carbon Credits, no nginyagia tugie na mititu mieru (Groves) kuria kuri na migunda iria itari mihande (afforestation) kana kuhanda miti kuria miti itemetwo kana kuhanda kuria gutari kuhande (reforestation) matura-ini maria gutari mititu miaka 10 mithiru. Guthukuma na carbon credits rungu rwa category, gutarwo gwa carbon kuroragwo carbon iria irutagwo kuma riera-ini o uria miti irakura.

Kurikiriria, niguu miti ihituke ya A/R carbon credits, ubatie kuhanda miti mieru riria waingira TIST. Oro hau, wambiririe githaka kieru, githaka kiri na miti mieru.

Ni wega kumenya ati TIST ihuthagira atari kuma mabururi ma nja (international verifiers) aria matigagirira ati mitarataru rungu rwa Afforestation, Reforestation (A/R) ni rwamirirwo. Umuthi, technology ni ithiete na mbere muno ati andu mari thi cia kuraya no mamanye riria miti yaku yahandirwo. Murimi umwe anginyitikana ahenanitie, TIST yothe igiaga na thina.

Kwa uguo, rekei tuikare turi ehokeku, tukiaria uhoro wa ma na waragania thiini wa TIST oro hamwe na maundu ma oro muthenya. Riria muruti wira wa Clasta uka mugunda-ini waku, rekei mamanye ukuru wa miti yanyu. Angikorwo kuri yahandirwo mbere ya kuingira ngurubu nini rekei TIST imenye, na niigukorwo iri **miti ya kiambiriria**. TIST riu ni irathugunda kurora kana miti ya kiambiriria no ituike ya gutarwo thiini wa carbon credits. Ni tukumumenyithia oro uria tuguthii na mbere!

Ithui othe ni tuguteithia arimi a TIST kumenya uhoro wa biacara ya Carbon.



Utongoria na wathani thiini wa Cluster.

Umuthi, TIST iri na makiria ma cluster 160 thiini wa o cluster, atungata nimateithagiriria na magekirana hinya. O cluster iri na wathani na utongoria ta uu.

Aria mathuraguo ni;

- Mutongoria wa Cluster.
- munini wa mutungoria.
- Muigi mabathu.

Mutongoria, munini wake na muigi mathabu matungataga mieri 4 o giti na magathiururukana. Munini wa mutongoria agatuika mutongoria na ke muigi mathabu agatuika munini wa mutongoria. Athuri na atumia nimacenjanagia hari utongoria-angikorwo muigi mathabu ni muthuri, uria ungi uguthurwo thutha wake agukorwo ari mutumia. Clustyer yanyu yagiriirwo gukorwo na githurano kiri na utheri na uigananu riria murathura atongoria. Ithurano cia cluster nicia bata na cia muhak kuri cluster ciothe.

Mawira ma utongoria wa cluster.

Mawira ma mutongoria wa cluster.

- 1) Agiriirwo gukorwo ari ndungata kuri cluster yothe na akorwo na values cia TIST.
- 2) Gutongoria mawira ma cluster: kubanga micemanio ya cluster, utari wa miti na ithomo na atongoria aria angi.
- 3) Gwikira ikundi hinya niguu cigie namaciario mingi hamwe na uhandi wa miti na Kilimo Hai. Guteithiriria cluster

kunyitanan na kugia hinya.

- 4) Guteithiriria mibango ya micemanio ya cluster hmwe na atongoria angi na gutigirira micemanio niyathii n-mbere wega.
- 5) Kurutithania wira na muigi mathabu gutigirira ripoti cia mathabu ninginyaniru na niciatumwo.
- 6) Guteithiriria kwandikithia ikundi njeru.
- 7) Guteithiriria ikundu kugia na uiguithanio wa Green Gas Contract, gwikira kirore na gutumwo.
- 8) Kwamukira na kumenyithania geni aria mangikorwo mari mucemanio-ini.
- 9) Hari marihi: kuoya vouchers na indo ingi nbere ya micemanio. Kurutithania wira na muigi mathabu gutigirira marihi nimarihwo na gukinyi ciuria kana mathina kuri atongoria a TIST na cluster.
- 10) Kuririkania ikundi muthenya wa mucemanio.

Mawira ma muigi mathabu.

- 1) Kwamukira budget ya cluster na kumenyithnia muigana na uria cihuthiritwo o mucemanio.
- 2) Kurutithania wira na cluster kubanga uria budget ikuhuthirwo niguu kuongerera maciario.
- 3) Kuiga nma kumenyerera rekodi cia cluster na njira njega ya nabuku.



- 4) Gwitikiria uthuthuria wa rekodi cia cluster kuri memba a cluster na atongoria a TIST.
- 5) Gutuma ripoti cia micemanio namathabu ma cluster o mweri.
- 6) Guthomithia muigi mathabu uria ukumucoka.
- 7) Guteithiriria atungati angi gutungatira ikundi.
- 8) Mahinda ma marihi: kuheana voucher kuri ikundi riri kuri na amemba 2 kana makiri, kurora vouchers, kwaraniria na atabariri a marihi na kurumirira mitaratara yothe na njira ya utheri na nginyaniru.
- 9) Gwikira githimi kia ithomo hindi ya micemanio ya Cluster na kuheana ripti kuuri GOCC
- 10) Guthii micemanio ya GOCC ta Cluster Council Representative
- 6) Guthomithia muingi mathabu mweru.
- 7) Gwikira githimi kia ithomo hindi ya micemanio ya Cluster na kuheana ripti kuuri GOCC.
- 8) Guthii micemanio ya GOCC ta Cluster Council Representative.

Mawira ma GOCC.

- 1) Guthundura na kurumirira mitaratra ya cluster.
 - 2) Gutigirira githomo kia iguru nikiaheanwo kuri cikirumirira values cia TIST.
 - 3) gutigira utari wa miti muega kuringana na values cia TIST.
 - 4) kumenyerera indo cia wira cia uthomithania na utari wa miti.
 - 5) kumenyithania mathina na kuheana utaari kuri OLC.
 - 6) gutheremia TIST kuhitukira cluster;
 - 7) gutabania ciira wa kurugamio kwa atungati niundu wa ungumania.
 - 8) gutabania ciira angikorwo mutongoria ndararumirira values cia TIST.
 - 9) kuheana andu makiria kuma kuri GOC kuri mawira ta Auditor, TSE kana athomithania anenena mangi maingi.
 - 10) Kwamukira ripoti kuuma GOCC na gutuma kuri Leadership Council.
- Mawira ma munini wa mutongoria.**
- 1) Kunyitirira riria mutongoria atari kuo. Agiriirwo ni gutungata ari mumemba hamwe na mutongoria.
 - 2) Guteithiriria kuiga mathaa micemanio-ini.
 - 3) Kuoya rekoti thiini wa micemanio.
 - 4) Guthoma minutes cia mucemanio ucio ungi.
 - 5) Kuiga mathaa maria mahuthirwo mucemanio-ini.



TIST: Maundu ma ikundi: Uikarania wa ikundi.

a) *Ni njira iriku njega ya kubanga andu mucemano-ini wa ikundi?*

Githiururi kinini nikio kiega. Mutigakorwo na metha tondu niikoraga mikira andu-ini.

Mutigakorwo na giti kinene kuri iria ingi kia mutongoria. Thiini wa TIST, ithuothe tuikaraga undu umwe. Tuikaraga thi kana tugaikarira iti.

b) *Twikaga atia riria andu makiria ma 12 magia na wendi wa kuingira gikundi?*

Riria kwagia na andu makiria ma 12 marena kuingira gikundi, niwega guthondeka gikundi kingi. Gikundi giki nokigayano maita 2 kana 3 ona kana 4 na niwega andu a tene gikundu mambiririe icio ingi mari o. njira ino ni njega gukira amemba eru makigeria guthondeka gikundi kieru mari oiki. Ririkanai guthiururukia utongoria.

c) *Ungika atia riria hinya wagikundi wathii thi?*

Gayania amemba eri eri na umere mariririe uhoro ucio. Geriai guthaka mithako ya ngerekano tondu niiteithagia.

Maita maingi riria mundu umwe arugama kuga maundu maria mega muhotete gwika niguteithagia muno na gugekira hinya ringi. Na ningi ririkana ndukareke micemano inenehe muno. Riria muri na muteithia wa mutongoria uria uraiga mathaa, nouhote kuhuthira mucemano wega na mukaiguithaniria.

Mutaratara wa mucemano.

Niguo kuhuthira mathaa wega, ikundi ciagiriirwo nigukorwo na micemano mibang wega. Njira ino niya bata tondu niigutuma murumirire mutaratara na muhote kwaririria maundu maria ma bata. Naningi niyabata tondu thiini wa TIST nitukoragwo twiheanite gukiria na gutungata miti gwa kahinda kanene niundu wa thoko ya carbon. Nitwagiriirwo nikumenya arimi othe a ikundi wega, tondu ciiko cia I mundu nicia bata kuri gikundi.

Niundu wa bata, na makiria kuri gikundi gukorwo na micemano ya o hindi na mungihota o wiki. Uu niukuhe amemba thiini wa gikundi kamweke ga gwikira gikundi hinya.

Riria muri na micemano, niwega mureore maundu maria ma bata. Ikundi nyingi niconete mutaratara uyu ukimateithia muno.

Ikinya ria I: Kugeithania na kumenyithania amemba eru(Ndagika 5-15):

Tigirira o mundu niaigua amukiritwo wega. Mutikoe kahinda kanene no utigirire andu nimemenyithania.

Ikinya ria II. Mahoya ma kuhingura (Ndagika 2):

Mahoya manini nimateithagia kunyitithania giundi.

Ikinya ria III Ruimbo(Ndagika 5):

Ici nocikorwo iri nyimbo citungitwo ni gikundi kana ciagwikira andu hinya na cia kugooca Ngai.

Ikinya ria IV. Kuiguithania kiria gikwariririo na mathaa (Ndagika 5):

Mutoingoria agatariria maundu maria makwariririo nao amemba magetikaniria. Mahida m a r i a makuhuthirwo kwaririria makaiguithanirio niguo muteithia wa mutongoria akahota kuiga mathaa.

Ikinya ria V. Kwaririria maundu (ithaa I):

Niwega maundu maria makwariririo makoragwo mathondeketwo mucemano-ini urcio ungi. Maundu maya nita uria andu mahotete gukuria TIST, guthomithania maundu na mitaratara bata iria iguteithia gikundi gukura wega.

Ikinya ria VI. Kujengana (ndagika 5):

O memba wa gikundi niaheanaga kaundu kega ka wiki iyo na akauga uria onete utongoria thiini wa mucemano. Na makiria, mundu o wotha akauga kiheo kiria onete hari mutongoria.

Ikinya ria VII. Mahoya ma kuhinga (Ndagika 2):



TIST: Miti niyagirithagia maria maturigiciirie.

Thiini wa TIST, tuhandaga miti niguu tukorwo thoko-ini ya carbon na tugie na marihi

kumana na wendia wa carbon. Na ningi, mawega mangi ma miti nimaingi!

Maya ni mamwe ma mawega.

☐ Miti niituteithagia kwagirithia maundu ma ki-nduire. Niituheaga kwiikaria na kuhe nyamu wihitho na micii ohamwe na irio ciacio. kugitira biodiversity migunda-ini iito na gutuma thi yothe yongerere umithio na kwagirithia riera.

☐ Miti niyagirithagia riera na kunyihia uthukangia wario. Miti niyehutagia carbon hawe na indo ingi ta Sulfur dioxide, ozonena nitrogen oxide. Naithui tukagia na oxygen njega niundu wa miturire miega.

☐ Uria migunda iitu iikarite niwagirithagio ni miti iitu na miturire igathakara. Uthaka

wa iti niukoragwo uri mwega na tukagia na mbica njega ya migunda iitu.

☐ Miti niiroraga riera na kunyihia riuu, ruhuhona mbura. Miti noigitire kumana na muiyuro wa maai, ituika, na ugwati wa ruhuho. Miti niitumaga gutikagie na ng'aragu nitundu niithotithagia maai gutonya tiiri-ini wega handu ha umaruta.

☐ Miti niitumaga tiiri ndugakuu ni maai. Miri yayo niyumagiriria tiiri na kuuhe unoru. Tiiri munoru niutumaga irio cikure na njira njega.

☐ Miti niinyihagia inegene. Inegene norinyihe na njira nene unghanda miti.

☐ Kugia na maai matheru nogukinyirike riria twahanda miti ya ki-nduire. Mititu na miti ingi niitheragia maai na kumacunga. Riria uteng'eru wa maai wanyiha maai nimatheraga. Kiiruru kia miti nigiteithagia njuui kumana na kuhua.

Mazingira Bora

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Kiswahili Version

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TIST: Semina ya Viongozi wa Cluster iliyofanyika Machi 24 - 28, 2025 Ruiru, Kenya.

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TIST: Kikumbusho Muhimu - Vikundi Vipya, Vichaka Vipya, Miti Mipya.

Wakulima WAPYA wanapojiunga na TIST, mara nyingi huuliza kama miti yao iliyopo kwenye mashamba yao itahesabiwa kama Miti ya TIST kwa biashara ya Kaboni. Jibu la hili **BADO!** Hivi sasa - Miti Mipya inapaswa kuwa na Miti Mipya.

Miradi ya kaboni ni mipango iliyoundwa ili kupunguza, kuepuka au kuondoa utoaji wa gesi joto (GhG) kutoka angahewa. Katika baadhi ya matukio, miradi hii hutoa **mikopo ya kaboni** ambayo inaweza kuuzwa kwa kufuata sheria na masoko ya hiari na kupata mapato/mapato ya mradi.

Kuna kategoria nyingi za miradi tofauti ya kaboni. Mifano ni:-

1. Upandaji miti, upandaji miti upya (A/R) mradi wa kaboni – TIST.
2. Kupunguza Uzalishaji wa hewa ukaa kutokana na Ukataji miti na Uharibifu (REDD+).
3. Miradi ya Ufanisi wa Nishati kama vile Cookstoves.
4. Kuondoa kaboni ya udongo k.m. kupitisha Kilimo Hifadhi.
5. Na mengine mengi.

TIST kwa sasa inafanya kazi chini ya mradi wa kaboni wa Upandaji miti, Upandaji miti (A/R). Kundi hili linahitaji mradi kupanda miti MPYA (upandaji miti) au kurejesha misitu (upandaji miti) katika maeneo ambayo hapo awali misitu haikuwapo au kuharibiwa.

Kwa maneno mengine, ili wanachama wa TIST wapate Mikopo ya Carbon, wanahitaji kuanzisha misitu mipya (Groves) kwenye

ardhi isiyo na misitu (upandaji miti) au kupanda tena miti katika maeneo yaliyokatwa miti au yaliyoharibiwa (upandaji miti) katika maeneo ambayo hayakuwa msitu katika kipindi cha miaka 10 iliyopita. Ili kupata mikopo ya kaboni chini ya kategoria hii, hatua za Uhasibu wa kaboni huangalia kiasi cha uondoaji wa kaboni kutoka angahewa miti inapokua.

Kwa muhtasari, ili Miti yako ifuzu kwa salio la A/R la kaboni, unapaswa kupanda miti mipya unapojiunga na TIST. Katika maelezo sawa, ukianzisha TIST Grove mpya, Grove hiyo inapaswa pia kuwa na miti mipya.

Ni muhimu kutambua kwamba TIST hukaguliwa na Wathibitishaji wa kimataifa ambao lazima wahakikishe tunafuata sheria chini ya mbinu ya Upandaji miti, Upandaji Misitu (A/R). Leo, teknolojia ya ulimwengu imeendelea sana hivi kwamba watu katika mabara ya mbali wanaweza kujua wakati miti yako ilipandwa. Ikiwa mkulima mmoja atakamatwa akidanganya, TIST yote huathirika.

Kwa hivyo, hebu sote tubaki Waaminifu, Sahihi na Wazi katika TIST yetu na shughuli nyingine za kila siku. Mtumishi wa Nguzo anapotembelea shamba lako, wajulishe umri Sahihi wa miti yako. Ikiwa baadhi yao yalipandwa kabla ya Kikundi Kidogo kujua kuhusu TIST, itachukuliwa kuwa **Miti ya Msingi**. TIST sasa inafanya kazi kukuza uwezo wa kuwa na Miti ya Msingi pia kuhesabiwa kuelekea mikopo ya kaboni. Tutaendelea kuwajua kadri tunavyopiga hatua!

SOTE tunapaswa kuwasaidia wengine Wakulima wa TIST kuelewa Biashara ya Carbon.



Uongozi na Utawala katika Cluster yako.

TIST ina zaidi ya cluster mia moja na themanini. Katika kila Cluster, viongozi watumishi husaidia katika mafanikio yetu na hugawana nguvu zao nasi. Kila cluster inaa utawala na uongozi kama ifuatavyo:

Viongozi wa cluster waliochaguliwa,

- Kiongozi wa cluster.
- Msaidizi wa kiongozi katika cluster.
- Mwajibikaji wa cluster.

Uchaguzi wa Cluster inafaa na nilazima kwa TIST Clusters. Kiongozi, msaidizi wake na mwajibikaji wa cluster hutumika katika kila nafasi kwa muda wa miezi mine. Baada ya miezi mine ya kutumika, kiongozi wa cluster hutoka uongozini. Msaidizi wake huingia kuwa kiongozi naye Mwajibikaji huwa msaidizi wa kiongozi. Wanawake na wanaume huzungukana katika uchaguzi kama mwajibikaji ni mwanamume, huyo mwingine atakuwa mwanamke. Cluster yako yafaa kuchagua mwajibikaji mpya kwa njia ya kidemokrasia. Uchaguzi wa cluster ni muhimuna wa lazima kwa cluster zote za TIST.

Majukumu ya viongozi wa cluster.

Majukumu ya kiongozi.

- 1) Anafaa kuwa mtumishi wa cluster yote na kuonyesha maadili ya TIST.
- 2) Huongoza katika shughuli za cluster; huratibu mikutano ya cluster, uhesabu miti na ratiba ya mafunzo pamoja na viongozi wengine.
- 3) Huvipa motisha vikundi kufikia matokeo makubwa, pamoja na kupanda miti na kilimo hai. Husaidi cluster kubaki na nguvu na umoja.

- 4) Husaidia kupanga mikutano ya cluster iliyopangwa vizuri pamoja na viongozi wengine na kuhakikisha mikutano inaongozwa na kufunzwa vizuri.
- 5) Hufanya kazi na Mwajibikaji kuhakikisha kuwa rekodi za mkutano wa cluster na za uwajibikaji zimetunzwa vizuri.
- 6) Husaidia kuingiza vikundi vidogo vingine.
- 7) Husaidia kuhakikisha kuwa kadarasi za GhG za vikundi vidogo zimetwa saina, kuwekwa katika computa na kuingizwa mtandaoni ikitakikana.
- 8) Hukaribisha na kujulisha mgeni yeyote ambaye amehudhuria mkutano.
- 9) Katika malipo: Huleta vocha na vitu vingine kabla ya mkutano. Hushirikiana na mwajibikaji kuhakikisha mchakato wote wa ulipaji umezingatiwa na kufikisha maswali au shida zozote kwa viongozi wa TIST na watumishi wa cluster.
- 10) Huwakumbusha wanavikundi vidogo kuhusu mkutano unaofuata.

Majukumu ya Mwajibikaji.

- 1) Hufikiwa na bajeti na kutangaza kiasi kilichofika na kutumika katika kila mkutano wa cluster.
- 2) Hushirikiana na cluster kupanga jinsi ya kutumia bajeti ya cluster kufikia matokeo makubwa.
- 3) Huweka na kutunza rekodi za cluster katika kitabu cha rekodi kilichopangwa vizuri cha cluster, kama ilivyo na kwa hali nzuri.



- 4) Huruhusu kuangaliwa kwa rekodi za cluster kwa wanacluster na viongozi wa TIST.
- 5) Hutuma ripoti ya kila mwezi ya mkutano wa cluster na ya uwajibikaji kila mwezi.
- 6) Hufunza mwajibikaji anayemfuata.
- 7) Husaidia watumishi wengine kutumikia vikundi vidogo.
- 8) Wakati wa malipo: hupeana vocha kwa vikundi vyenye memba wawili mkutanoni, hupitia vocha, huwasiliana na ratibu wa kusaidia katika malipo na hufuata mchakato wa malipo umefuatwa kwa usahihi na ukweli.
- 9) Hutathmini ubora wa mafunzo ya cluster na ripoti za GOCC.
- 10) Huhudhuria mikutano ya GOCC kama mwakilishi wa baraza la cluster.

Majukumu ya msaidizi wa kiongozi.

- 1) Hushika usukani kiongozi asipokuwa. Msaidizi wa kiongozi anatumikia memba wa cluster na kiongozi wa cluster.
- 2) Husaidia wakati wa mkutano kuweka masaa.
- 3) Huchukua rekodi wakati wa mkutano wa cluster.
- 4) Husoma yaliyoandikwa katika mkutano uliopiata.
- 5) Huandika masaa na majadiliano yaliyo katika cluster.
- 6) Husaidia kufunza mwajibikaji mpya aliyechaguliwa.

- 7) Hutathmini ubora wa mafunzo ya cluster na ripoti za GOCC.
- 8) Huhudhuria mikutano ya GOCC kama mwakilishi wa baraza la cluster.

Majukumu ya wawakilishi katika GOCC.

- 1) Kugundua na kugawana njia bora za kufanya mambo kutoka kwa cluster.
- 2) Uhakikikisha mafunzo ya hali yaa juu katika cluster yakifuatilia maadili ya TIST.
- 3) Uhakikisha uhesabu miti wa hali ya juu unaofuatilia maadili ya TIST.
- 4) Hutunza vyombo vya kazi vya ufunzaji na uhesabu miti.
- 5) Huripoti wasiwasi zilizopo na kutoa mapendekezo katika baraza la uongozi.
- 6) Hueneza TIST kupitia cluster zilizopo.
- 7) Huita mikutano ya utawala iwapo mtumishi amesimamishwa kazi ili kuangalia mambo yaliyokuwa na kutoa mapendekezo kuhusu kusimamishwa kwake.
- 8) Huita mikutano ya utawala iwapo kiongozi wa cluster hafuatilii maadili ya TIST;
- 9) Hupendekeza watu katika GOCC watakaongezwa majukumu zaidi kwa mfano mkaguzi, TSE, ama mkufunzi mkuu na kazi zingine.
- 10) Hupata mafunzo mwafaka kuhusu balaza la uongozi.



TIST: Mbinu za vikundi vidogo: Mwingiliano wa kikundi.

a) *Ni njia gani bora zaidi ya kuwapanga watu wakati wa mkutano wa Kikundi kidogo?*

Msiwe na meza kwa sababu inajenga vizuizi kati ya watu. Msiwe na kiti cha kukaliwa na mtu aliye na muhimu zaidi kati yenu. Katika TIST, sote twaketi kwa njia iliyofanana. Sote hukaa chini udongoni au sote kukalia viti.

b) *Mtafanyaje kukiwa na watu zaidi ya kumi na wawili wanaotaka kujiunga na kikundi chenu?*

Kama kuna zaidi ya watu kumi na wawili wanaotaka kujiunga na kikundi chenu ni vizuri zaidi kuanzisha kikundi kipya. Kikundi chaweza kujigawanya na kuwa vikundi viwili, ama wanakikundi asili watatu au wanne wawe msingi wa kikundi kipya. Hii ni vizuri kuliko mwanakikundi mmoja kujaribu kuanzisha kikundi peke yake. Kumbuka kuanza uongozi wa mzunguko kutoka mwanzo.

c) *Ni mbinu zipi mwaweza kutumia ikiwa nishati ya kikundi iko chini?*

Gawanya kikundi kiwe wawili wawili na uulize kila jozi kujadiliana kuhusu kazi iliyopo. Michezo ya kuigiza husaidia pia. Mara kwa mara kuwasimamisha na kila mtu kusema kitu kizuri ambacho kikundi chao kinafanya husaidia kuwapa watu motisha nyingine. Pia kumbuka kuuachisha mkutano usiwe mrefu. Kwa njia ya kuwa na msaidizi wa kiongozi anayesaidia kuweka masaa, unaweza kuelekeza nishati ya kikundi kuhakikisha kazi inafanyika katika muda uliopangiwa.

Ratiba ya mkutano.

Kutumia muda vizuri, kikundi kidogo chapaswa kuwa na ratiba ya mkutano iliyopangika vizuri. Hii ni muhimu kwa sababu itakusaidia kuzingatia yaliyo katika ajenda na mambo yaliyo muhimu zaidi. Ni muhimu pia kwa sababu katika TIST, tunajitolea kufanya kazi pamoja kwa muda mrefu ili kukua na kudumisha miti yetu katika soko la hewa. Tunahitaji kujua wanakikundi wenzetu vizuri, kwa sababu matendo ya kila mtu hushikilia kikundi chote na TIST yote.

Ni muhimu pia, kwa kikundi chako kidogo kuwa na mikutano ya mara kwa mara, ikiwezekana mara moja kila wiki au mara moja kila wiki mbili. Hili litawapa wanakikundi chenu nafasi ya kuimarisha kikundi na

kugawana na kujifunza mafunzo mapya.

Wakati wa mkutano, ni muhimu kuzingatia mambo yaliyo muhimu. Vikundi vingi vya TIST vimeona utaratibu unaofuata ukiwa mwenendo bora zaidi ili kuwa na mikutano ya kufanikiwa:

Hatua ya kwanza. Salamu na kujijulisha kwa wanakikundi wanya (dakika tano kufika kumi na tano): Hakikisha kila mtu anajisikia nyumbani. Hakikisha ni fupi lakini muache kila mtu ajijulishe.

Hatua ya pili. Maombi ya kuanza (Dakika mbili):

Ombi fupi laweza kusaidia kuunganisha kikundi.

Hatua ya tatu. Nyimbo (Dakika tano):

Hizi zaweza kuwa zilizoandikwa na kikundi chako, au nyimbo zinazowatia watu nguvu kama nyimbo za kidini.

Hatua ya nne. Kuitikiana kuhusu kazi na masaa (Dakika tano):

Kiongozi anaeleza yatakayofanyika mkutanoni na wanakikundi waitikie kufanya kazi hiyo. Masaa yatakayotumika kwa kazi hiyo au mjadala yakubalianwe ili msaidizi wa kiongozi aweze kuweka masaa ya mkutano.

Hatua ya tano. Kazi ya vikundi (saa moja):

Ili kufanya vizuri zaidi, kazi yapaswa kujadiliana mkutano wa mwisho ukiisha. Kazi zaweza kuwa pamoja na kugawana ni nini kila mtu amefanya ili kusaidia kazi za TIST, kugawana mienendo bora zaidi ya kufanya mambo tofauti, kufunza kuhusu vitu fulani na jambo lingine lolote la maana litakalosaidia kikundi chenu kukua.

Hatua ya sita. Kujengana (Dakika tano):

Kila mwana kikundi anasema jambo moja nzuri kwa kiongozi wa wiki hiyo kuhusu uongozi wake ulioonekana katika mkutano. Kuongezea, mtu yeyote aweza kusema ni zawadi gani katika uongozi ameona katika kiongozi huyo.

Hatua ya saba. Ombi la kufunga (Dakika mbili):



TIST: Miti huboresha mazingira kwa ajili yetu sote.

Katika TIST, sisi hupanda miti ili kujiingiza katika soko la hewa na kupata mapato kutokana na kuuza hewa hii. Hata hivyo, faida zingine za miti ni kubwa!

Zifuatazo ni faida chache ambazo sisi (pamoja na dunia yote) hufurahia:

- ☐ Miti hutumika kama makazi asili ya kusaidia aina nyingi za mimea na wanyama. Hupeana faragha na usalama kwa wanyama wa pori wanaotafuta makazi mitini na huwapa chakula. Kulinda bionuwai au viumbe hai hufanya mashamba yetu na sayari yetu kuwa yenye uzalishaji zaidi na pingamizi dhidi ya mabadiliko ya tabianchi (hali ya anga ya muda mrefu) na changamoto nyinginezo.
- ☐ Miti huboresha hewa na hupunguza uchafuzi wa hatari. Miti hutoa hewa ya kaboni ya ziada na vichafuzi vya hewa kama dioksidi sulfuri, ozoni na naitrojini yenye oksidi. Kurudisha, hutupa oksijeni inayohitajika kuishi.
- ☐ Ubora unaoonekana wa ardhi pia unaboreka kwa kupanda miti ambayo, inaboresha maisha. Rangi ya kijani ya miti huongeza rangi kwa ardhi na kuongeza urembo wa kipicha wa mazingira.
- ☐ Miti hudhibiti tabianchi kwa njia ya kupunguza athari za jua, upepo na mvua. Yaweza kusaidia kuzuia mafuriko kali, miporomoka ya ardhi, uharibifu wa upepo. Miti hupunguza madhara ya mafuriko kwa kuruhusu maji ya mvua kuingia udongoni badala ya kupita juu yake.
- ☐ Miti hupunguza mmomonyoko wa udongo. Mizizi yake hushika udongo ambao badalayake hungebebwa wakati wa dhoruba za mvua na mafuriko. Miti pia husaidia kuboresha rotuba ya udongo. Udongo wenye rotuba huhamisha virutubisho hadi kwa chakula, jambo ambalo huchangia kwa afya ya binadamu.
- ☐ Miti ni mizuri katika kunyonya sauti. Uchafuzi wa kelele waweza kupunguzwa sana kwa kupanda miti mingine na mingine.
- ☐ Mahitaji ya maji safi ya kunywa yaweza kukamilishwa kwa njia ya kupanda miti ya kiasili. Misitu na mimea hupunguza kasi ya maji ya mvua na huyachuja yanapoingia udongoni. Yanapopunguzwa kasi, maji ya mvua huingia ardhini kujaza vyanzo vya maji vilivyo chini ya maji na ambavyo tunategemea ili kuishi. Miti pia huipa mito kivuli, na kuyaacha maji kukaa baridi na kwa hivyo kupunguza kasi ya kupotea kwa maji kwa njia ya uvukizi.

Mazingira Bora

Newsletter April 2025

tist Growing Trees
Growing Leaders

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

Kikamba Version

TIST is an innovative, time - tested, afforestation program led by the participants.



TIST: Semina ya Viongozi wa Cluster iliyofanyika Machi 24 - 28, 2025 Ruiru, Kenya.

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TIST: Ulilikany'o wavata - Ikundi Nzau, Ikuthu Nzau na Miti myeu.

Yila aimi eu malika nthini TIST, Kaingi nimakulasya miti ila meitwie nayo kana ikatalika ta ya viasala wa nzeve itavisaa ya TIST. Usungio ni **TI OYU!** Kwa yu ikuthu nzau syaile ithiwa na miti myeu.

Ilelelo sya nzeve itavisaa syithiawa na walanio wa kuola kana kuveta nzeve sya Nyumba sya ngilini (kikusuni) (Greenhouse Gas) ila ilikaa mawithyululukoni. Kundu kumwe, Miti ino na ilelelo sya miti ino nitumikaa kuete carbon Credits ila itonya utewa mwa kwiyumya sokoni na kuseuvya ueti kwa mwolooto uu.

Ve ngelekanio mbingi ila itumikaa ta kileelo. Kwa ngelekanio:-

1. Kuthungya mititu, Kuvanda miti kula miteme (A/R) kieleelo kya nzeve itavisaa na TIST.
2. Kuola wanangiko kumana na kutemwa kwa miti na muthanga kukuwa (REDD+).
3. Nzia sya kusuvia mwaki ta maiko ma matuku aa.
4. Kwailya nzeve muthangani kwa nzia ya nima ya kithyululu, (CF).
5. Na maundu angi maingi.

TIST yithukuma ungu wa kuthungya mititu na kuvanda miti kula yatemiwe / itekw'o (A/R) (Carbon Project). Kiwango kii kyendaa kuvandwa kwa miti MYEU (Kuvanda miti kula kutai) kana kuvanda miti kula yatemiwe mitituni kula myanangiku (Reforestation) kula tene kwai mititu.

Kwa ndeto ingi, nikana memba wa TIST kuivika kumana na nzeve itavisaa (carbon credit), nimambiia na kuvanda miti weu ta

kamutitu (Groves) vala vatai miti (afforestation) kana kuvanda mitiangwa kana yaanangika (reforestation) vala vethiitwe vate miti kana yimioleku kwa ivinda ya ta myaka ikumi (10) mithelu. Nikana kuivika ungu wa walanio uyu , eki ma masavu ma nzeve itavisaa nimasyaasya na kwika masavu ma nzeve itavisaa ila yosetwe ni miti ino kwianana na undu yianite.

Kwa ukuvi, nikana uvitukithw'e kukwata ndivi ya nzeve itavisaa kuma uvandini wa miti kwa A/R, Niwailite uvanda miti walika nthini wa TIST. Ingi niwaile umanya wambiia uvanda miti myeu kwa ukuthu, ikuthu isu nisyale ithiwa na miti myeu.

Ingi niundu wa vata kumanya kana TIST yikiawa ukunikiliwa masavu ni Nthi yonthe (International Verifiers) ala maile kuikiithya miao ila itumikaa kwa uvandi wa miti (A/R). Umunthi tekinolongyi yi yiulu tita tene yu andu ona me vaasa nimesi yila na vala maile uvanda miti. Ethiswa muimi umwe nukukengana akatuma aimi othe ma TIST mathinika.

Kwoou, twikale na uikiiku, Uw'o na kwika maundu Kyenini nthini wa TIST yitu maunduni maitu ma kila muthenya. Yila muthukumi wa ngwatanio ya TIST wathoka muundani kwaku, mumanyithye ukuu wa miti yaku ula waw'o. Ethiswa imwe yavandiwe mbee wa utamanyite iulu wa TIST, ikatalika ta miti ya mwambiio (**Baseline trees**). Kwayu TIST niendee na uthukuma kuseuvya nzia ya umanya utalo wa miti ya kwambiia (base line) nicana italike nthini wa soko ya nzeve itavisaa (Carbon Credit). Nitukukwikala tuumanyithitye oundu tuendee!

Nitwaile kutethya kila muimi wa TIST aelewe iulu wa utandithya uu wa nzeve itavisaa.



Utongoi na uungamii wa ngwatanio yaku.

Uimuthi TIST yina ngwatanio mbee wa ngwatanio 180. Nthini wa kila ngwatanio vena mutongoi ula ula ukwete mbau kuendee kwitu na kwithiwa naitu nthini wa mawonzu na molumu maitu. kila ngwatanio yina utongo na uungamii uilyi uu:

Atongoi anyuve ma ngwatanio.

- Mutongoi wa ngwatanio.
- Munini wake.
- Mwii wa kinandu / mwiki wa masavu.

Utongoi uyu wa ngwatanio niwaile uthukuma vandu va myai ina naindi uthi kithyululu vala munini wa mutongoi utwikaa mutongai na mwiki wak masavu aitwika munini wake na vaiyuvwa mundu ungi wa uthukuma ta mwiii wa kinandu kyumanisyo ethiwa mwii wa kianndu ula unaivo ni mundu muka ula usakuawa kumuatiia ethiawa e munduume. ngwatanio yenyu niyo yaile usakua ula ukutwika mwii wa kinandu itina wa kila myai ina. uyu ni undu wa lasima kwa kila ngwatanio ya TIST.

Mawia ma utongoi wa ngwatanio.

Mawia ma mutongoi.

- 1) Aile ithiwa e muthukumi kwa ngwatanio yonthe na engelekany'o kwa maundu na walany'o wa TIST.
- 2) Nutongoasya maunduni ma ngwatanio, kuungamia mbumbano sya kila mwai, uvitukithya, umanyisya ena atongoi ala angi.
- 3) Kuthuthya ikundi kuvikia mosyao manene ta kuvanda miti, nima ya kusuvia (CF), kutetheesya ngwatanio kwikala yi numu na yina uumwe.
- 4) Nuthukumaa vamwe na mwii wa kinandu na atongoi ala angi kuikiithya livoti na mathangu ma mbumbano sya

ngwatanio nimaie nesa nakuikiithya yila kwina umanyisya na mbumbano nisyekwa nesa na kwa nzia ila yaile.

- 5) Nuthukumaa vakuvi na mwii wa kinandu kuikiithya kana livoti sya mbumbano na masavu nimaw'o ma kila mwai na niwatunga livoti isu syi nzeo na ite nzelee.
- 6) Nutetheesya kumanyisya tukundi tunini undu tutonya ulika ngwatanioni na kutuandikithya.
- 7) Nutetheesya tukundi tunini kwona contract syoo na Green House Gas nisyeeekiwa saii, syekwa scan nasya likwa kwa internet ethiwa vena vata.
- 8) Nuthokasya na kumanyithany'a mueni ula wavika mbumbanoni syoo.
- 9) Kwa ndivi: Nulatasya mathangu ma ndivi (voucher) na kila kingi kikwendeka mbee wa mbumbano. Nuthukumaa na mwii wa kinandu kuikiithya nzia ila yaile ya ndivi niyaatiiwa, na kuneenany'a ethiwa ve ikulyo kana thina kwi atongoi ma TIST na athukumi ma ngwatanio.
- 10) Kulilkan'ya tukundi iulu wa wumbano ula ungi yila ukethiwa.

Wia wa mwii wa kinandu.

- 1) Nukwataa mbesa sya mbungyeti ya ngwataniona kutangaasa ni mbesa nziana ukwatie na undu itumikie kila wumbanoni wa ngwatanio.
- 2) Nuthukumaa na ngwatanio kwia mivango ya undu meutumia mbesa ithi sya mbangyeti kuvikia usyao munene.
- 3) Niwiaa na lekoti na mavuku mangwatanio na kuikiithya mena uw'o na nimaandikitwe nesa.



- 4) Nunengae ene ngwatanio na atongoi ma TIST mwanya wa kunikila mavuku aya na lekoti.
- 5) Nutumaa livoti sya kila mwai itina wa mbumbano sya ngwatanio.
- 6) Numanyiasya mwii wa kinandu ula ungi wasakuwa.
- 7) Nutetheeasya athukumi ala angi kuthukuma tukundi tunini.
- 8) Ivindani ya ndivi: nunenganae mathangu ma ndivi (vouchers) kwa ikundi ve ene ikundi eli kuma kila kikundini, nunenanasya na ala maivaa na kukwata mbau wia uu na kuatii kwona ndivi yeekwa kwa w'o na kwa nzia ila yaile.
- 9) Kukunikila wailu wa umanyisya wa ngwatanio sya TIST na livoti sya GOCC.
- 10) Kuvika umbanoni wa GOCC ta umwe wa kanzu.

Wia wa munini wa muttongoi.

- 1) Ni ukwatiiaa mawia ma mutongoi yila mutongoi utevo na kuthukuma ene ngwatanio vamwe na mutongoi.
- 2) Nutetheeasya yila kwina mbumbano kwa kusyaiisya masaa.
- 3) Ni uandikaa na kwia lekoti na kuandika kila kyaneenwa yila kwina mbumbano.
- 4) Nusomaa kila kyaneenaniw'e yila kwai na wumbano muvituku.
- 5) Niwiaa lekoti sya uneenanya ula weethiwa nthini wa ngwatanio.
- 6) Nutetheeasya kumanyisya mmwii wa kinandu ula wasakuwa.

- 7) Kukwata wailu wa umanyisya na kitinga livoti kwa utongoi wa kanzu. Ula withiawa kanzuni ya ikundi vandu va ngwatanio yake (Cluster representative to the group of Custer Council).

Mawia ma ula withiawa kilioni kya kanzu ino ya ikundi (GOCC).

- 1) Kumatha nzia nzau sya uthukumi kwa ngwatanio
- 2) Kuikiithya umanyisya museo na wa yiulu maatii mawalany'o na myamulo ya TIST.
- 3) Kuikiithya kuvitukithya kwa kila kiseo vaatiiwe mawalany'o ma TIST.
- 4) Kwikalya miiro ya uvundisya na uvitukithya ithukuma nesa.
- 5) Kutunga livoti na kunengane woni nthini wa Utongoi wa Kanzu.
- 6) Kuthathsya TISTS maatii ngwatanio ila syivo.
- 7) Kwithiwa na syikalo sya kwithukiisya na kwika ukunikili ethiwa muthukumi wa ngwatanio nimuungamye wiani na kunengane wani iulu wa kuungamw'a kuu.
- 8) Kwithiwa na syikalo sya kwithukiisya ethiwa mutongoi waa ngwatanio nde kuatiia mawalany'o ma TIST.
- 9) Kumya woni iulu wa ikundi kuma ngwatanioni kwongelwa wia ni TIST ta Auditor, TSE, Master Trainer na mawia angi.
- 10) Hupata mafunzo mwafaka kuhusu balaza la uongozi.



TIST: Nzia ila itumiawa ni tukundi tunini: Ta kulikangana na kukwatangana.

a) Ni nzia yiva nzeo ya kuvanga andu tukundi yila mwi mbumbanoni?

Kilinge kinini nikiseo muno. vaikethiwe na mesa kati nundu noithukume ta ukuta kati wa andu vaikethiwe uvanthukanu wa kila kikwikalilwa ethiwa ni kivila ateo kwa mundu munengete ndaia mbee. Ingi nthini wa TIST ithyoo the twikalaa nthi undumwe ethiwa ni muthangani kana ivilani kwa kila umwe.

b. Nata mutonye kwika ethiwa andu mbee wa 12 nimekwenda kulika kakundini kenyu?

Ethiwa ve andu aingi mekwenda ulikana nenyu nikavaa kuseuvya kakundi kangi kana tungi twili vena mainyiva ene ana kana atatu kuma kakundini kala kambee (amemba ala akuu). Uu ni useo mbee kwi mundu umwe kwenda kwambiia kakundi eweka. Lilikanai kwambiia utonoi na kusumia nzia ya utongoi wa kithyululu.

c. Ni nzia myau utonya utumnia ethiwa vinya wa kakundi winthi?

Aanai withie ni andu eli eli na kila umwe ayosa undu uu ta muio wake. Ingi mathau ma malimano na nthekany'a ni matetheesya kwongela ngwatanio vinya na uthangaau. Ingi kunee niea wia wenyu museo kwakwiyonany'a mwi mbee nikutumaa angi makwata vinya na thambuu. Lilikanai yila mwoombana kulea kuselewa na kumina mbumbano tene. Kwithiwa na munini wa muungamii imusyaiisya wa masaa nokutume kila umwe ekia vitii na kuthangaa kwona wia ula walanitw'e niwathela masaani ala maile.

Walany'o wa kukomana.

Nikana musuvie ivinda tukundi tunini nitwaile kwia walany'o museo wa mbumbano. uu ni useo nundu nukumwia mwina mwolooto wa kila angyendani ya muthenya usu na mawia ala maile kwianiw'a muthenya usu. Ingi ni useo nundu nthini wa TIST nitweeyumisye kuthukuma vamwe kwa ivinda yiasa kuvanda na kuea miti yiane kuvikia soko wa nzave itavisaa. Nitukwenda kumanya tukundu tunini twitu na ena mwatw'o na kwona ni itambya yiva tutonya kwosa kuikiithya ithyothye na TIST nitweethiwa na kivathukany'o.

Ni undu wavata kumanya kakundi kaku kanini nikaile kumbana kaingi ona ethiwa ni keli kwa mwai. Kii nokiete kwosa vinya kwa kikundi kyenyu kwa kuthuthany'a na kila umwe kunenga ula ungi utao

na undu wikite kwake omithenya ila mutela onana na kila kinakivathukany'o na kitonya uete ualyuku museo kwa kila umwe vamwe na uu mawoni meu.

Yila mwoombana niuseo kwia mbee maundu ala mavata. Tukundi tunini twingi nitwoonie kuatia nzia ithi syi vaa nthi kwi kwavata nthini wa mbumbano, na matambya asu ni:

Itambya 1. Ngethi na kwimanyithany'a kwondu wa andu ala eu kikundini (ndatika 5-15):

Ikiithyaa kila umwe niweew'a e muthokye, kila umwe etavany'a kwa mituki.

Itambya 2. Mboya sya kwambiia (ndatika ili (2))

Mboya nini nguvi noitethye kwa kwongela ngwatanio.

Itambya 3. Wathi (ndatika itano 5)

Uyu no withiwe wi wathi usevitw'e ni kikundi kyenyu kana wathi wa Ngai wina uthuthio kwa kila umwe.

Itambya 4. Kwiw'ana undu mukwika na mwitumia ivinda yiana ata (Ndatika itano(5))

Mutongoesya akaeleany'a kila kikwikwa wumbanoni na ene kikundi mayitikila kwika. Masaa ala meutumika kwa kila undu nonginya mambe uneenewa na munini wa mutongoesya no ethiwe emusyaiisya wa masaa.

Itambya 5. Wia wa kikundi (Isaa yimwe 1)

Nonginya muimina kila wumbano nimwithiawa muneene wia ula mukoka uthukuma wumbanoni ula ungi. Ngelekany'o ethiwa no kila umwe kutunga livooti ya undu wikite kutetheesya TIST na mawalany'o na uthukumi wayo museo. Kumanyiany'a nzia nzau na maundu angi mavata ala matonya utuma kakundi kenyu keana na kwaila.

Itambya 6. Kwakana (ndatika itano (5))

Kila mumemba kunengane ondeto imwe ya kwakana onaethiwa ni yiulu wa utongoi. ingi kinengo kila kikivathukany'o kyonekete kwa mutongoi nikiyaile uwetwa ethiwa kivo.

Itambya 7. Mboya ya kumina/ kuvinga wumbano (ndatika ili (2))



TIST: Miti niseuvasya mawithyululuko kwitu ithyoothe.

Thini wa TIST nituvanaa miti nikana twithiwe sokoni wa nzeve itavisaa na kuta na kuseuvya mbesa.

onakau moseo ma miti ikwitu nimaingi. Vaa ve amwe kati wa moseo asu tukwataa kuma miti ino onakau tumivandaa ta ya uta nzeve itavisaa (carbon market).

Moseo aa nitutaniaa vamwe na nthi yonthe:

☐ Miti yithiawa yi mawikalo ma wanake, na useo mbee nundu niyithiawa yi wikalo wa nyamu na kuinenge liu. Kusuvia uvathukanu nikutumaa miunda yitu na ilembeta yitu yithiwa yi inou na kutune liu na kwailya movinduku ma nzeve.

☐ Miti niseuvasya nzeve ila tuvevaa kwa kuola kiko kila kilikaa nzeveni, kaingi miti niyumasya nzeve ila itavisaa kuma nzeveni na nzeve ingi thuku ta Nitrogen Oxide, Sulfur dioxide na Ozone. itina wa miti kutumia nzeve ithi thuku nitunengae nzeve nzeo ya kuveva (Oxygen) ila yendekaa kwikala thayu.

☐ Miti nitumaa vandu voneka vevailu na ve vavata na kwailya mathayu ala mevo

na niyongelaa langi kwa nthi na kumyanakavya.

☐ Miti nietae movinduku ma nzeve na kuola uvyuvu kana uthithu ta sua, mbua, nzeve. Nitetheeasya kusuvia kiw'u kingi kukua, na nzeve kwananga.

☐ Miti ni iolaa kukuwa kwa muthanga nundu mii yaw'o nitumaa muthanga na kuukwatany'a, kiw'u ukethia nikyaolwa uthangaau ula kiiendete naw'o. Kuete unou wa muthanga yila yita matu na moa na kunenge tusamu/tulinyu tula twikalaa muthangani kukwata liu na kwoou mundu nake akwata liu umwianie yila waima muthanga usu.

☐ Miti niolaa kineene.

☐ Miti niseuvasya kiw'u kwa kukithesya. mititu na miti ya kiene yavandwa niseuvasya kiw'u kwa kusiiia muthanga na kiko kukuiwa kula kiw'u kitwiikene kya kutumia. miti niyikiaa muunyi na kusiiia kiw'u kukuwa ni nzeve kwoou uynthia kivakuvi kwa mundu kwisa na kukitjumia.

Mazingira Bora

Newsletter April 2025

tist Growing Trees
Growing Leaders

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

Kipsigis Version

TIST is an innovative, time - tested, afforestation program led by the participants.



TIST: Semina ya Viongozi wa Cluster iliyofanyika Machi 24 - 28, 2025 Ruiru, Kenya.

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TIST: Kobwotutiet nebo komonutiet - Katuiyosiek che lelach, Timwek che lelach, Ketik che lelach.

Oloon kochut temik che lelach TIST, kotebe en abokora angot kite ketikuak che mi mbarenikuak koik che chute Mungaretab Aldaetab koristo nebo Ketikab TIST. Walutiet ko **TOMO KOITYI!** En nguni, Timwekche Lelach ko nyolu kotindoo ketik che lelach.

Tetutikab koristo ko tetutik che kirindoo, istoengee anan ko istoo koristo ne ya en emeet. En kasarta age, tetutichu ko konu carbon credit che choto ko che kioldoo kou en ng'otutik ak ndonyo ne bo chametab chi ak konyorchigee rabisiek en tetutiet.

Mi konyil che chang' tetutikab koristo ne kioldoo. Korogutiet ko:

1. Taunetab osnosiek, Kolelitetab osnosiek, tetutietab koristo - TIST.
2. Kachuchugetab lyeet koyoob tiletab osnosiek ak g'emisiet.
3. Tetutik che ribe Kimnotosiek che kilole cheu jikosiek che ribe maat.
4. Kotorchinetab koristo en ng'ug'unyeek kou Temisiet nebo Ribetab Emeet.
5. Ak alak che chang'.

En kasari ko boisie TIST en Taunetab Osnosiek, Wekunetab Osnosiek ko tetutietab koristo. Ichochu ko moche kemin ketik **CHE LELACH** (Taunetab Osnosiek) anan ko kewek osnosiek che kikobetyo en komosuek che m Kimakomii ososiek anan ko che kimii osnosiek en taa ako kikeng'em.

En ng'alek alak, asi komuch membaekab TIST koyorchigee rabisiek en Aldaetab Koristo, ko nyolu ko too osnosiek che lelach en ole

momii osnet anan komiin ketik en ole kikitilen osnosiek anan ko ole kikeng'emen osnosiek anan komiin ketik en olikmakomii osnosiek en kenysisiek 10 che kokosirto. Asikimuch keyor rabisiek en orani, ko nyolu en chigiletab rabisiek ko keer kole koristo ne ya ne tiana ne kokiisto en emeet en kasarta ne tesetaa korutu ketik.

En nwogindo, asi komuch ketikuk konyorchigee rabisiekab aldaetab koristo, ko nyolu imiin ketik che lelach oloon kechut buch TIST. En mwaanoton kora, angot itou Timtone Leel en TIST, ko nyolu en timoton kora konyor ketik che lelach.

Bo komonutiet kenai kele TIST ko chigili biik che chigil rabisiek en ng'wony tugul che kere kole kokisib ng'otutik tugul chebo ole kiyooitoo Taunetab Osnosiek, Wegunetab Osnosiek che Kiketil. En raini, ko biik che mii ole loo en ole imenye konoe kobun musognotet nebo kasari kole kiimine au ketikuk. Angot kenyor temindet agenge en katuiyet kele koboisien ng'olseet, ko ite koseretio membaek tugul chebo katuiyonoton.

Kou noton, onkeigun tugul che yoe imanit, che moichilie ako che togunotin en TIST nenyon ak boisionikab betusiek tugul. Olon korutechi Kiboitiotab Isasamet mbareng'ung', ibakack konai kenysisiek chebo ketikuk. Angot kokimiine alak kotomo konai Katuiyet akobo TIST, ko nyolu keyai choton koik cheiboru kiwotetab ole kimiine ketik. En nguni ko tete TIST kamugetab keyai Ketik cheiboru kiwoto koik che kite akichek en aldaetab koristo. Kitesetaa kemwowok logoiwechu olon kitesetaa en boisiet!

Nyolu en echeek tugul ketoret temikab TIST alak kokuyo akobo Mung'aretab Koristo.



Kandoinatet ak ngatutik en Kilasta.

En iguni kotinye tist kilataisiek 160 kilasta agetugul kiboistinikab kilasta kotoreti ak boisionik kiyok ak kobchee kotinye ngotutik ak kandoinatet kouni:

Kondoik chelewenotin:

- Kondoitetab kilasta.
- Rubeiyot.
- Chemotogo.

En kibotnik chetonkotinye boronodo nebo orowek angwa koboisie yeibata komanda kondaitetab kilasta konyon konomchi rubeiyot koik kondoitet neo, konyo akine chemotogo koik rubeiyot en let kelewen chemotogon ne lelel. Tinye boroindo kwonyik agichek koik kondoik. Bogomunet niton kayai lewenisiet en tist kilasta tugul.

Boisietab kondoikab kilasta.

Boisietab kondoitet.

- 1) Koik kiboititotab kilasta tugul ak kobor totochikab TIST.
- 2) Kondoik chetolonchin boisionikab kilasta, koitikab ketik kotet konetulik ak kiboitinik alak.

3) Konet kurubisiek konyor melekwek chechang, kobo komin ketik, koyai (CF) ak kotoret kilasta kotuiya asi kogimit.

4) Kotet agobo tuyosekab kilasta ak kiboitinik alak.

5) Kobois ak chemotogo agoger kole kogerib sirutik komobetiyo, ak kiyoto rebotisiek tugul

6) Kotach kurubisiek che lelach.

7) Kotoret kiyoto (koyososiekab kurubisiek chelelach).

8) Kotoch toek ak konet yon kabwa tuiyet.

9) Koger kole konyor kurubisiek vochaisiek yon miten kotomo kinan tuiyet. Ak kosib kon ole nyoluncho.

10) Kobwotik biik agobo tuiyet nrnyone.

Boisietab chemotogo.

- 1) Kotoch che kochut legut ak komwochi biik ak chegagiboisien en betutab tuiyet.
- 2) Kotet ak tuiyet ole kiboisionto asi konyor melekto neo.



3) Korib ak kosir wolutik en kitabu en oret neiyat ak kogonor komie.

4) Koyonchi kondoikab TIST kosuwa ak chebo kilasta.

5) Koyoto rebotisiek tugul chebo kilasta.

6) Konet chemotogo ne isibu inendet.

7) Kotoret ak konet kiboitunikab kurubit.

8) Kotoret kogoito vochaisiek en kastab libanet en kurubit nemiten biik oeng kawekta vochait ak kongalal ak chito ne tonouchi libanet.

Boisietab rubeiyot

1) Kotonchi tuiyet yon momiten kondointet ak. kotoret membaek and kondochi yuiyetab kilasta.

2) Koribchi tuiyet saisek.

3) Kosir walutik en tuiyet.

4) Kosomochi tuiyet wolulikab arawet ne gosirto.

5) Korir walutik ak kit neganga lalen tuiyet.

6) Konet chemotogo lelel.

Boisietab kondoikab council.

1) Konger agobchei boisionik chemiten kilasta

2) Konger kole koitik konetisosiek kilasta ak tolochikab TIST.

3) Kotononchi masinisiek chekiboisien ak koitetab ketik.

4) Koyoto reboisiek kon olenyolu koba tuiyetab (OLC).

5) Kotech kilasta koet.

6) Kotononchi kiboitunikab kilasta.

7) Kotononchi kondointetab kilasta ak kogas ingoboisie ago isibi tolochikab TIST.

8) Kongolonchi biik agobo tesetabtain agobo TIST.

9) Kotonchin agobo koitosiekab ketik ngosibi tolochigab TIST kou chigilisiet tse ak kibotunik tugul.



TIST: Mitindoishek chepo groupishek che meng'echen: Kotuyet tap ke en Groupishek.

a) *Ne oret ne kimuche kepanganen pik en tuyoshek chepo groupit?*

Oret ne kararan ko kechop circle. Matonde mezoshek amun iku koimutyet. Matochop ngecherok che echen anan ko ngecherok alak tugul chebo pik che bo maana. En TIST, ketibotosi tukul kokerkeit. Kimuche ke toboten tugul en ng'echerok anan ketobote en ng'weny.

b) *Nen ne iyoe yon moche kochut pik che ite taman ak oeng' grouit?*

Angot komi pik che sire taman ak oeng' che moche kochut groupit kokararan inda kichope groupit ake. Imuch kebchei groupit koyop oengu, anan konget membaek somok anan ko angwan chebo groupit neta kochop core nebo groupit ne kitou. Inoni ko kaikai kosir koto membayat ageng'e. Obwat oboishen zungganet ab kandoinatet kobore konam.

c) *NE oret ne omuche oboishe yon kiten inguvut nebo groupit?*

Bchei groupit korop pairishek. Toreti kora drama. Saaishhek alak ketononi, ak kekaskomwa chi tugul ki ne ibwate agobo groupit. Obwat kora orib saaishek asimakoit tuyet. Yomeke kecheng' netoreti kondoindet en ripet 'ab saaishek, Imuche igeshi nguvushek chepo groupit iger ile kakai kasit nekokitokchinke.

Ole kiyuito tuyet.

Asi kerip sait komye, Groupit ne kiten koyoche kotinye schedule nebo tuyet. Inoniton koba maana angamun kere kole kotar agendas chebo maana koron. Kora koba maan en TIST angamun, kikekonu ke en boishet nebo minet 'ab ketik, kemin ak kerip ketik chebo carbon markets. Yoche kora kenai membaekchok en groupishek che meng'echen komye, angamun chitukul kotinye jukumu en groupit ak en TIST kotugul.

Bo maana kora koyai groupishek tuyoshek kila mara, sana sana en kila wikit anan ko oeng' en wikishek oeng'. Inoniton kokochin membaek

koneteke en grouitit ak kotech groupit ko mugul ak konai tuguj che imbya.

En tuyoshek chuton, k obo maana keker tuguk che bo maana. Groupishek che chang' en TIST kokoker kole boishe mtindo ne isubu en tuyoshek.

Stepit neta; Kokotiet ak Tachet 'ab membaek che imbya(5 – 15 minutes):

Hakikishan ile kokas chitugul komi komye. Ingonwakit lakini bokokchin chitugul komwa ge.

Stepit nebo oeng;. Saet ne kiyoten tuyet (2 minutes):

Saet yon kinome tuyet kotoreti groupit koik kibageng'e.

Stepit nebo aomok; Tyenwokik (5 minutes):

Imuche koik tyenwokik che kisire membaek, anan ko tyenwokik che ituitos pik kou chepo kanisa.

Stepit nebo angwan; kiyonchindos sait ak boishonik(5 minutes):

Ororu kondoindet boishonik che kiyoe en groupit ak koyon chin membaek koyai kasishek choton. Kasarta neki boishen en kasit ake tugul koyoche kiyonchin asi kong'et co-leader kotoret korip saishhek en tuyet.

Stepit nebo mut. Kasishek ab groupit (1 hour):

Yoche kokidiscussen boishonik en tuyet ne kikobata. Boishonik komuch koik tuguk che kikotoret chitugul groupit groupit anan ko TIST, training en tuguk che bo maana, ak ki ake tugul ne imuch kotoret groupit kota kwo taa kosir ole mi.

Stepit nebo lo. Techet 'ab ke (5 minutes):

Kila membayat koyoi teset en TIST. En teset komuche kobor chei kit ne talenta en kandoindet.

Stepit nebo tisab. Saaet ne kikeran tuyet (2 minutes):



TIST: Ketik kokororonite emet nyon komyeit.

En TIST, kemine ketik asi ketestch en carbon markets akityo kesich chebkondo chebo carbon sales . lakini manufaachebo ketik kochang ochei!

Ichochu ko alak en manufaa che kinyoru en keitik;

☐ Ketik ko ole menye tyongik che chang' chebo flora ak fauna. Ikochin tyongik ole urenke ak ole unyen ke asi makibar . ribet 'ab osnoshek ko toreti minutik chok komosib komeyo yon miten climate change.

☐ Ketik kokonu koristo ne kararan ak koisto koriswek che yachen en emet. Ketik koisto carbon di oxide chechng' an emet ak koriswek che yachen cheu sulfur dioxide, ozone ak nitrogen oxide. Akityo kokonech oxygen nekimokchinike .

☐ Kororonindab emet ketesen minet 'ab ketik , ne en let kotese kororonindab sobet . yon nyalil emet kokararan.

☐ Ketik kocontroleni ateptab emet kou asista, koristo ,ak robta. Imuch koter floods, landslides, ak koriswek che yachen . ketik kotere floods yon kochomchi bek koba ngweny, ne katarwae en barak .

☐ Ketik kobose ibet 'ab ng'ung'nyek yon korobon . tikitik kwai koyoe ng'ung'unyek konamke ne katarwoe ak bek. Ketik kora koimproveni fertility nebo ng'ung'unyek. Ng'ung'nyek che kororon kokochin minutik omitwokik asitya en let koik echek chesiche health nekararan.

☐ Isto bolet . Noise pollution kimuche kebos yon kakimin ketik .

☐ Maket 'ab bek che tililen kimuche kenyor yon kokimin ketik che indegenous.. ketik kokochin uronok bek 'ab oinoshek , agityo koyai kokoititekitun akityo kobos evaporation nebo bek.