



**THINK NAMIBIA**  
Sustainable Forest  
Management

**SIMBAPIRA SOUSILI KUHAMENA KO:**

# Ntanteko Zegendesoyukiliro lyoWiza

*Sitambo sene-sene simbapira ezi yipo zi gave masingonono gontateko zegendesoyukiliro lyowiza moNamibia.*

## ETWAROMO

Namibia kwa kara nomarunone ga kara nomulyo aga va zumba mosanzara ngoso. Maruha muzogo nomuzogopumezuva gosirongo, unene po kwa kara nomagunda gomanene ga kara noyitji yoyinene yoyikoli [Tu taren i simbapira esi #2: Yimenwa yegunda lyaNamibia]. Mawiza aga kwa kara nomulyo gomunene gomarunone gomparkiso zovatungi navenye mononkarapamwe pontambo zopwavene ndi pokurandesa.

Sinzi sovanamukunda kapi va huguvara tupu morunone royitji yelike, nye nani nomorunone rwenyango peke lyowiza. Hena, sinzi soyirugana woruhansitwe kapi somauwa govatungi womonomukunda nye kukwafa mparukiso zoyinamwenyo ntani kugwederera koyikwaeparu lyosirongo. [Tu taren i po kambapirambudi #1: Eruganeso mparukisonsitwe zowiza].

Malima gomanzi gana ka pita ruha rorunene rwaSub-Saharan Africa, rambangako Namibia, kwa gwanekera noyirongo ndi vantu wovanzi wokupumbwa yitji. Yiwizamo va gwana momuzangu goyitji yomoNamibia kwazesupa morwa eninkiliro mo lyondando zoyitji yomonomukunda sivhulise ndando zoponze zosirongo, nye marunone goyitji yoyinene kwa yi zangura pwa hana epopero negendesoyu. Egano lyegendesoyukiliro lyowiza limwe lyekohonono mokukunga nokupopera nsitwe ntani udigu woyikwaeparu ya retesa po ediro kugendesoyu nawa yitji yoyipirangi ntani eteto yitji kurwadeka pwa hana ekandano.

## YINKE YINA KUTANTA EGENDESoyUKILIRO LYOWIZA?

Egendesoyukiliro lyowiza kutanta asi kuyomberesa nokurugana kukwama mpango zomarunone gowiza mokugava mauwa nomakwafo gopwaneina ntani gokomeho gana pumbwa nonkarapamwe nounafabika ntani hena nekungo lyokanguki wowiza. Kwa divikwa hena asi egendesoyukiliro lyowiza.

“

Mbunga zoMalikwatakano goYirongo [United Nations] kwa fwaturura Egendesoyukiliro lyowiza asi, “Yikara nokusintununa magano nositambo segendesoyu ntani kuvatera kuhamena yikwaeparu, pankarapamwe nopansitwe mokudimburura mulyo gomaruha gowiza nagenye, mokugwana mo mauwa gopwaneina ntani naga gokomeho”.

”

Egendesoyukiliro lyowiza kukambadara mokutulisa po ehetakano lyowiza ntani nompumbwe zorunone ronsitwe megunda.

Ekulikoyukiliro kwa likida “Etarero neruganeso wiza ntani evango lyowiza monked i nonzira zongwa mokupopera yinamwenyo yamo, muzangu, nelivhukiso yereko lyevango, umanguruki ntani kusikisa mo sitambo sene, pwantani ntani meparu lyokomeho, mulyo gomonsitwe, yikwaeparu ntani pankarapamwe mokuruganesa,

pamukunda, pasirongo ntani pontambo zouzuni, ntani kapi ayi reta ezonauko momaruhansitwe gamwe”.

Nokonda dimwe dokuvhura kukoneka mokugendesoyu wiza. Megunda lyenene, yikara yimwe kuyikonakona vakuronagendesoyu ndi vakungiwiza. Mukungiwiza ga kara nositumbukira sokugendesoyu mokuhetakana pangeseфа, pansitwe, ntani etuliso po egunda.

## MULYO GEGENDESoyUKILIRO LYOWIZA MONAMIBIA

Egendesoyukiliro lyowiza lya kara mulyo unene moNamibia, morwa kuvatera mokuhanesa mulyo gowiza ntani kuwapeka epopero lyowiza. Mokugweda ko, kuvatera mokukandana po ediro kugendesoyu monaruwa mokuruganesa magunda moNamibia.

Sitambo sene segendesoyukiliro wiza moNamibia yiso:

- Mokupopera mawiza gomoNamibia ntani etarero lyomaruhansitwe muna kwatere mparukiso zoyinamwenyo.
- Kusindagenda eruganesoyukiliro lyoyitji yoyipirangi ntani muzangu gomanyango gomowiza ga hana kukara asi goyipirangi.
- Kuretesa po yiwizamo yosirongo mokurandesa nomuzangu dokutunda mowiza pandando zongwa.
- Mokugava makwafo ndi kugava nopala noyitji kovanamukunda va yi ruganesoyu.

## NONGUNDI NTATU DEGENDESoyUKILIRO LYOWIZA

Egano lyegendesoyukiliro lyowiza kwa lihamesera monongundi (3) ntatu ngamoomu: Yikwaeparu, nsitwe, ntani pankarapamwe. Epako yirugana yokuziramo yegendesoyukiliro lyowiza kuvatera mokuhetakanesa nongundi edi ntatu mokugwana mauwa gomarunone gowiza.



### YIKWAEPARU PAKUYUKILIRA

- Yiviyauka yowiza mulyo unene moyikwaeparu, morwa kugwana mo yiwizamo ntani kuvatera nongeseфа dokuhara kuzumbanesa.
- Yiviyauka kwa kara nouwa woyikwaeparu kovagendesoyu.



### NKARAPAMWE PAKUYUKILIRA

- Yiviyauka yowiza ya wopera nokuvatera nkarapamwe mokugwanena mo mauwa vanamukunda novagendesoyu.
- Yiviyauka yina ayi horoka mokureta mauwa kovanamukunda kumwe novamusinda.



### PANSITWE PAKUYUKILIRA

- Yiviyauka yowiza yina ya kara nosinka asi runone rowiza negendesoyu nositambo somauwa gopwaneina nokomeho.
- Yiviyauka ayi nomene ezokomeho lyorunone mokulivhukisa mokukandana erwadeko nezanguro pitakaneno lyahana etakamesoyu.

# NONKEDIKWAMI NTAMBALI DERUGANOYUKILIRO LYOWIZA

## NKEDIKWAMI 1: Ekeverero newapukururo lyoronone rowiza ntani evatero egendo mpepo hesereso mouzuni

### MALIKIDO

- Egwano lyevango lyonsitwe zowiza.
- Egwano lyosiviha soyitji yonsitwe noyimenwatapeko yomowiza.
- Sigwano somukumo goyitji momavango gokulisiga-siga.



## NKEDIKWAMI 2: Ekeverero lyomuzangu gounene wowiza

### MALIKIDO

- Elivhukiso lyomarudi goyimeno yowiza.
- Mavangokungiro nomafanekogendeso gegendeso monaruwa muzangu goyitji.
- Ezanguro lyomumvho mokugusa mo yitji yimwe kusikura sivaro va tura po.
- Siviha zomuzangu gorunone rwa hana asi yitji (enyango).
- Eharango ntani noperesenta zoyimenwa yoyipe monkarapamwe ntani marudi goyimenwa.



## NKEDIKWAMI 3: Ekeverero mokurugana epopero lyowiza muna kwatere epopero lyevhu ntani runone romema

### MALIKIDO

- Mavango gEkungowiza kugendesa mukupopera evhu norunone romema.
- Yiviyauka yegendeso lyowiza eyi ayi kodoka epopero lyevhu.
- Mavango ga kara noudigu wevhu lyokuzonauka.
- Yiviyauka yegendeso lyowiza yina kara noyinakugwanesa po mukupopera runone romema.



## NKEDIKWAMI 4: Epopero nEkeverero lyomparu goyinamwenyo yomowiza nomagunda gamwe goyitji

### MALIKIDO

#### Ruhansitwe royinamwenyo

- Mavango gowiza kwa kara nomaruhansitwe, gopaumwenya, ndi goutungi.
- Mavango gowiza ga kara momavangopopero.

#### Marudi goyinamwenyo

- Egaununo/ Ezonaguro lyowiza.
- Sivaro somvharerwa zomarudi goyinamwenyo yemevhu olyo.
- Sivaro ntani ukaro womarudi goyinamwenyo ya kara mosiponga.
- Epopero lyokuziramo kuhamena marudi goyinamwenyo.
- Epopero lyokuziramo kuhamena marudi goyinamwenyo.

#### Rudivharwa royinamwenyo

- Sivaro ntani evangotungo lyorudi royinamwenyo yina kara mosiponga sokuzumbanesa ukaro wayo.
- Sivaro hetakano somarudi mokufwaturura mvharewa zoyinamwenyo.
- Epopero erwameno lyalyo kwa hamena komarudivharwa goyinamwenyo.



## NKEDIKWAMI 5: Ekeverero lyoukanguki wowiza ntani mauwa

### MALIKIDO

- Evango lyowiza lyazonauka morwa konda zoyimbumburu nomarudi goyinamwenyo yimwe.
- Evango lyowiza lyazonauka morwa konda zomundiro ndi ruhanzo.



## NKEDIKWAMI 6: Ekeverero ntani Egavero mauwa gowiza moyikwaeparu monkarapamwe ntani yimwe yemegunda lyoyitji

### MALIKIDO

#### Ereto po ntani Eruganeso po

- Mulyo nounzi woyitji ntani muzangu goyitji.
- Mulyo gorunone rowiza (enyango) eli vana pongayike.
- Egwano yiwizamo ya tunda meruganeso runone ronsitwe.
- Eruganeso po lyoyitji ntani muzangu goyitji mukumohetakano.
- Sigwanoruganeso po sorunone rwenyango lyowiza pamuzangu.
- Mulyo nounzi woyitji yokutunda ponze zosirongo neyi ayi zi ponze zosirongo.
- Mulyo gomuzangu gwa hana asi yitji agu zi ponze zosirongo ntani gokutunda ponze zosirongo gu wize monda zosirongo.
- Kurandesa yitji nonomuzangu dimwe doyitji mokupwagesa konze, ntani kuruganesa po yitji nonomuzangu dimwe doyitji dokutunda konze.



#### Upungwiso womoruha rwekungowiza

- Kutura mukosero gomunzi mepungwiso ntani kuruganesa silingayereko zokugwanena megendeso wiza.
- Upungwiso neruganeso silingayereko momakonakono gowiza, numberewa domonomukunda ntani merongo.
- Etuliso po yirugana moruha rwezanguro marunone gowiza.
- Pakare nzambiyereko zononzambi, yiwizamo, ntani nsonsoyereko zourema momavango gomanene gowiza.
- Udigu ndi ukukutu wokuhuguvara megunda limwe tupu lyonkarapamwe.
- Mavango nonoperesenta dowiza va ruganesa mounandima womomambo.
- Egavero lyoyigwana mo megendeso lyowiza.



#### Maudano ntani Vadinguli

- Mavango gowiza kwa kara po ntani kugagendesa mokutulisa po yiviyauka yomaudano novadinguli.
- Sivaro, rupe, ntani evango lyokuwapera kudingura ntani mararo.
- Mavango gowiza kukambadara mukupopera pampo, pankarapamwe, ntani pampepo.
- Mulyo gowiza kovatungi/ vantu.



## NKEDIKWAMI 7: Etuliso po Paveta, Nomberekwawafi, ntani Yikwaeparu yepopero negendesovyukiliro lyowiza

### MALIKIDO

- Kutamununa komaruha gana pumbwa ekwafo lyoveta zepopero ntani negendesovyukiliro lyowiza.
- Kutamununa komaruha gonomberewa dokurugana makwafo gepopero ntani mokurugana egendesovyukiliro lyowiza.
- Kutamununa komaruha goyikwaeparu mokugava makwafo gepopero ntani mokurugana egendesovyukiliro lyowiza.
- Unzi wokurugana eyereko ntani kutarera malitjindjo gepopero ntani megendesovyukiliro lyowiza.
- Unene wokurugana nokutura makonakono nomakuliko nositambo sokuwapeka egendeso lyowiza, ntani kugava mauwa neruganeso lyowiza.



## EYEREKO LYEGENDESoyUKILIRO LYOWIZA

Yiruganeso yokulikarera mokuyerekesa etompoko nesikisomo lyegendesoyukiliro lyowiza. Yiruganeso eyi kuwiza nonontambo ntani noyilikidiso kusikura yikara eyi:

- Ureru ntani sitambo.
- Mulyo gediwo.
- Ureru nerwameno mekulikoyukiliro.
- Pakwatogano.
- Enongonoko lyemoneko lyegendesoyukiliro lyowiza.
- Enongonoko lyopamukunda ntani pantambo sirongo.
- Mulyo gomatokoro, etarururo ntani egawoyitundwamo.

Pamwe-pamwe yigongi yokatji yirongo kutulisa po eruganeso nonkedi ntambali (7) deyereko egendesoyukiliro lyowiza. Namibia va tulisa po nonkedi dokuliza noyirongo yikwawo.

Nonkedikwami ntani yilikidwa kuyitura pasirugana pontambo mukunda, sirongo, ntani ntambo zowiza. Eyi simpe kuvatera mokunkodopeka elikwatakano neruganeno kumwe lyovagendesoyukiliro lyowiza.

## NZAPOPAMEKO SIMWE ZEGENDESoyUKILIRO LYOWIZA

Nzapopamekowiza [Tu taren po kambapirambudi #2: Nzapopameko zowiza moNamibia] simwe somulyo megendesoyukiliro lyowiza mokukwafa kuretesa po ehetakano pokatji konkarapamwe, yikwaeparu, ntani pansitwe mombinga zokuyukilira.

Nzapopameko kukwafa momarandeso gowiza ntani pafabilika kupitira pantambozeruki nomatjingiso gomuzangu gorunone rowiza.

Mulyo unene mokunomena asi epameko eli lina gwana makwateso ko gomawa gonomberewa. Eyi kuvatera nokunomena asi wiza una kara mekungo lyewa ntani vagwaneni mo mauwa tava ga gwana ntani novakwatesi ko kuna kuyukilira.

## EVARURO YITJI YOWIZA SIMWE SEGENDESoyUKILIRO LYOWIZA

Simwe sosuma meruganeso runone rowiza mokunongonona runone oru runa kara mevango lyowiza. Ekonakono eli kulirugana ndi kuligwana mokuvarura runone rowiza [Tu taren simbapira esi #3: Evaruro yitji yowiza]. Kuvatera mokukonakona nkarero zowiza ntani eteto yitji kusikura eligwederero lyosivaro sovagwaneni mo mauwa kumwe novantu. Egendesoyukiliro lyowiza kapi tali yukilire pwa hana evaruro lyorunone rowiza morwa kapi tapa kara mauzera gokuyukilira mokurugana mafaneko nomo kuyitura moyirugana. Mulyo gokuvarura simwe segendesoyukiliro lyowiza, narumwesi kulisemburura ndi kulihupisa ko morwa kugava mauzera kuhamena muteku goUnandima wonsitwe ntani yimenwa yowiza [Tu taren simbapira esi #5: Unandima wonsitwe ntani yimenwa yowiza] ntani ezanguro lyoyitji yoyipirangi [Tu taren po kambapirambudi #3: Ezanguro lyoyitji yoyipirangi moNamibia].

## UNANDIMA WONSITWE NTANI YIMENWA YOWIZA SIMWE SEGENDESoyUKILIRO LYOWIZA

Nkedi zimwe zokuvhura kukandana etuliso po ekuro, nelipakakano, ntani noukanguki wegunda. Sitambo sene-sene soUnandima ou mokureterasa po muzangu gomunzi goyitji ntani nayimwe yenyango lyowiza, nye ntani nokureta marunduruko gomonkarapamwe kumwe nosirugana sonsitwe zowiza. Yangesi, udigu unene egendesoyukiliro lyowiza lihoroke pwa hana Unandima wouwa.

## MAUDIGU GOKUVHURA KUGWANEKERA NAGO POKUTULISA PO EGENDESoyUKILIRO LYOWIZA

Egendesoyukiliro lyowiza kugwanekera noudigu, eyi kuninkisa eturo moyirugana yimonekwa nomauwa yi kare udigu. Nsene yikara yina nongonokwa kurerupa kuyikohonona.

Sitafurafaneko 1: Maudigu ava gwaneke nago pokutulisa po egendesoyukiliro lyowiza (African Union Commission, 2020)

Muhanguro	Maudigu
Maruhamberewa	<ul style="list-style-type: none"><li>• Usesu wetuliso po ezokomeho.</li><li>• Ediri kuwapa mokugendesoyukiliro yiyiyauka mokatji konomberewa.</li><li>• Usesu welihameseromo lyovatungi moyiyiyauka yowiza.</li></ul>
Yikwaeparu monkarapamwe	<ul style="list-style-type: none"><li>• Udigu wehetakano parudivharwa.</li><li>• Udigu womagwanekero.</li><li>• Epiro kuzuvhako kegendesoyukiliro lyowiza.</li><li>• Ediri kufwaturura eligavero mauwa.</li><li>• Sivaro sovantu kukura kugenderera.</li></ul>
Pansitwe	<ul style="list-style-type: none"><li>• Kaliwora kelivhukiso lyomarudi goyimenwa.</li><li>• Eligwederero lyeteto yitji nezonaoko lyowiza.</li><li>• Udigu koukanguki wowiza, muna kwatere muniro (mpire) noruhango.</li><li>• Siponga somalisintoukarompepo ntani mpumbwe zompepo.</li></ul>
Paukonentu	<ul style="list-style-type: none"><li>• Usesu ndi epiro etarero runone rowiza.</li><li>• Usesu woudivi wokurugana evaruro kumwe netarero.</li><li>• Epiro kugava yigava yokusikiliramo.</li></ul>
Noveta ntani egendesoyukiliro	<ul style="list-style-type: none"><li>• Kutulisa po noveta degendesoyukiliro wiza monaure.</li><li>• Ukorokotji ntani yirugana ndi kurugana suma pwa hana asi paveta.</li><li>• Unkundi wemoneko kugwana makwafo gosilinga zokulivateresa momaruha.</li><li>• Ediri kusingonona asi yilye mwanya runone.</li></ul>

## EHAGESO

Ruha rwekungowiza moNamibia kuna kutwikira mokukondja kuwapeka kukwama egendesoyukiliro lyowiza. Sirongo sa kara nomadidiliko gononkarero nonoveta [Tu taren simbapira esi #8: Etuliso po veta zegendesowiza moNamibia], ntani nomberewa dokugava makwafo monontambo dokulisiga-siga mokutulisa po egendesoyukiliro lyowiza. Noveta nononkarero edi da hepa kudigwedakana kumwe nokutulisa po vanamberewa wovanzi momaruharongo vekungowiza kumwe nokuvapa yiruganeso ya gwanene yipo va ture noveta dina moyirugana sinene po mokupaka udivi nononkondo kovarugani vekungowiza, nomberewa, ntani

novarugani vamwe womonomukunda nawo va hepa kuvapa unankondo wokurugana monomberewa dononkarapamwe dawo. Mokugweda ko nomalikhwamo gekungowiza wonkarapamwe [Tu tarení kambapirambudi #4: Egendesó lyekungowiza] ntani Egendesó Runone roNsitwe moNkarapamwe kwa lihamesera megendesó lyowiza. Eyi kuvatera vanamukunda mokugwana eyi vana pumbwa moruhansitwe rowiza, mokutulisa po nonkedi dokuvhura kupita moudigu womalisintompepo, ntani mokutwikira kutulisa po makuliko moyikwaeparu yonkarapamwe.

Mumwe, mokuvhura kukandana po erwadeko yitji, sirongo saNamibia sa hepa kutulisa po elikhwamo lyetapeko netapukururo yimeno [Tu tarení simbapira esi #4: Etapekoyimeno ntani etapukururoyimeno]; sitambo sene-sene sesi asi va tapeke ndi va kune yimenwa yagwanene mevango olyo vana nongonona likare egunda (hena). Yimo hena, unandimakwatakano [Tu tarení simbapira esi #7: Unadimakwatakano] azo ngendeseso zimwe zongwa mokugendesa sivhulise nsitwe zowiza ndi unandima wokuruguruka kulima, mukupakakana kumwe yitji, yimenwa ntani yimuna.

Kupitira melihamesero lyovagendesí navenye wowiza [Tu tarení simbapira esi #6: Yirugana yokulisiga-siga yoVagendesí ekungowiza moNamibia] megendesoyukiliro lyowiza, po zi li mpito zonene zewapukururo mokugendesa runone rowiza wonkarapamwe omu muna kwatere noveta dezanguro nerandesó yitji yoyipirangi.

## MAFWATURURONKANGO

### Egendesó Runone roNsitwe moNkarapamwe [Community Based Natural Resources Management (CBNRM) programme]:

Elikwamo ali vhuru kuvatera nokupulisira vanamukunda va lihamesere mo mekeverero negendesó lyorunone ronsitwe, mokuvakwafa momakuliko, ekandano ruhepo, ntani va gwanene mo yiwizamo.

### Nkedikwami [Criteria]:

Eyi yimwe yohepero kusikura yigwana (sinene po egendesovyukiliro) mokurugana makonakono.

### Yinamwenyo yomonsitwe [Ecosystem diversity]:

Yinamwenyo yokulisiga-siga ya kara monsitwe, monkarapamwe ntani mparukiso zomonsitwe.

### Silikidiso [Indicators]:

Siparameta ndi siruganeso esi no vhura kuruganesa mokumeta nkedikwami.

### Ekuno simeno simwe [Monoculture]:

Kukuna simeno sorudi rumwe tupu mevhu ndi mevango limwe tupu kuruguruka.

### Musika gositi [Roundwood equivalent]:

Siviha somukumo gositi (musika) ava vhuru kuruganesa monofabrika gomuzangu goyitji (muna kwatere yivambi, yipepa, yikwayipundi ntani makungu).

### Marudi goyinamwenyo [Species diversity]:

Marudi goyinamwenyo yokulisiga-siga ya kara nokuparuka mevango.

### Nohonde doyinamwenyo [Genetic diversity]:

Nohonde dokulivhonga-vhonga da kara morudi royinamwenyo.

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'Promoting Sustainable Forest Management in the Kavango-Zambezi-Region in Namibia'



This project is funded by the European Union

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Sitarara 2021

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