Tlhaloso ka Tirisanyo le Baagi ba Dikgaolo Go Tlhatlhoba Meamuso ya Tlholego Kwa Dikgaolong

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Ketapele

Bukana e ke ntlha nngwe ya tshekatsheko le maiteko a go lere tlhokomelo ya meamuso ya tlholego (natural resources) e e nang le bokamoso kwa baaging ba dikgaolo tsa Kenya. Batho ba bantsinyana le mekgatlho e e farologaneng ba nnile le seabe mo maitekong a go nna jaana. Badiri ba pele le ba ba leng teng ba *The National Environment Secretariat* ba akaretsa A.K. Kiriro, C. Kabutha, W. Mutero, C. Kimani, F. Kariuki, J. Muinde, C. Mwandariro, E. Oduor-Noah, I. Asamba, E. Ngunga, P. Mwakitawa, le P. Ndonye. *Egerton University* e ne e emetswe ke Francis Lelo le Joseph Ayieko, fa ba *Kenya Water for Health Organization* ba ne ba emetswe ke Margaret Mwangola le Mary Kibuka. Kwa dikgaolong thuso e e faphegileng e bonywe kwa go Nicholas Mageto (moitseanape wa metsi) le John Ole Mosiany (Molaodi wa kgaolo) botlhe e le badiri ba kgaolo ya Kangundo. Ba lephata la temo ya merogo le maungo (horticulture) le bone ba nnile le seabe mo tirong e. Dikgosi le dikgosana tsa dikgaolo tsa Katheka, Mbusyani, le Kyevaluki le bone ba nnile le seabe bogolo jang ka go ema nokeng ditlhotlhomiso le ditekeletso tsa tiro e. Thuso e e faphegileng e dule gape mo baeteleding pele ba mekgatlho ya bomme e e farologaneng le baitseanape ba ditiro (technical officers) mo maphateng a temo ya dijo, temo ya ditlhare, botsogo, metsi, thulaganyo ya pelegi mo malwapeng (family planning), le ditlhabololo tsa kgaolo ya Kangundo, Nyeri, le Taita-Taveta. Kwa *Clark University* re lebogela thuso e re e bonyeng go tswa go Sharon Lezberg, John Thompson, Jaana Hinkkanen, James Toledano, Ute Arens, le Michele Fulk.

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Tlhaloso le Tshoboloko ya Dintlha tsa Botlhokwa

Bukana e e nankola dintlha tsa botlhokwa ka thulaganyo ya tlhatlhobo ya meamuso ya tlholego kwa dikgaolong, ka tirisano le baagi ba dikgaolo (PRA). Dintlha tse di tswa mo bukeng e kgolwane e e bidiwang *PRA Handbook*. Bukana eno e tlhalosa ka Bokhutshwane mabaka, bokgoni le metlhala ya go dirisana le baagi ba dikgaolo mo ditlhabololong.

PRA ke mokgwa o o motlhofo o ka one go itebaganngwang le ditlhabololo tsa dikgaolo. Ebile e naya baagi ba dikgaolo thata ya go tsenya seatla mo dipaakanyong tsa ditogamaano tsa tlhokomelo ya meamuso ya tlholego. Ditogamaano tse, di lebagantswe le ditiro tsa ditlhabololo tsa meamuso ya tlholego kwa magaeng.

Mo tirisong ya PRA go dumelwa gore tlhabololo le tiriso ya meamuso ya tlholego ka pabalelo, e ka kgonega ka: 1) go thatafatsa kgotsa go thusa makgotla a dikgaolo, a mmuso, a a ikemetseng ka nosi, le baeteledipele ba dikgaolo; 2) go tsenya tiro ya badiredi ba mmuso (extension officers) mo ditogamaanong tsa ditlhabololo tsa metse ya magae le; 3) go tlhabolola le go tokafatsa mekgwa ya go dira ditiro le didirisiwa tse baagi ba ka kgonang go di ipaakanyetsa le go di itlhokomelela.

Ditlhopha tsa PRA go tswa kwa lephateng la Kenya la tlhokomelo ya tikologo (*National Environment Secretariat*) le badiredi ba mmuso ba dikgaolo ba setse ba lekeleditse go dira ditlhabololo ka go dirisana le baagi ba dikgaolo mo mafelong a ka nna matlhano gone kwa Kenya. Tiro e, ene ya kgatlha batho thata mo go ileng ga iponatsa ka ditiro tsa bone tsa tshomarelo ya mmu, temo ya ditlhare, ditlhabololo tsa metsi, tlhokomelo ya botsogo, le temo ya dijo. Baagi bangwe ba ne ba dirisa PRA go dira kgwebo e potlana go oketsa dipoelo tsa bone. Ba mokgatlho wa mafatshe o o dirang le meamuso ya tlholego (World Resources Institute) ba simolotse tiro tse dingwe tsa tekeletso ya PRA mo mafatsheng a mangwe. Ditekeletso tse disa tse di bidiwang *From the Ground Up* mme ka Setswana go ka twe "Go tswa Meding go ya Dikaleng" di lekelediwa mo mafatsheng a mangwe a fera bobedi.

Mabaka a PRA

PRA ke mokgwa wa go dira ditiro o o simolotsweng ke borre Gordon Conway le Robert Chambers, ba dira le mokgatlho wa mafatshe wa ditlhabololo le tiriso ya tikologo (International Institute for Environment and Development IIED). Mokgwa o wa go dira ditiro ke mongwe wa maphatana a a tshwanang le *topical* RRAs le *exploratory* RRAs le *monitoring* RRAs a go ka tweng a tsetswe ke o motona wa *Rapid Rural Appraisal*. Mokgwa o wa PRA go ka twe o itebaganya le go dira ditlhotlhomiso le dikanoko tsa dikgaolo ka bofefo. PRA e thusa ditlhabololo tsa Kenya tse di itebagantseng le dikgaolo ka go kgothatsa makgotla a dikgaolo go akanyetsa ditlhabololo tsa dikgaolo tsa one ka fa a bonang go tshwanetse.

PRA e Itebaganya le Baagi ba Dikgaolo

Mo ditirong tse di itebaganyang le ditlhabololo tsa dikgaolo, baagi ba dikgaolo ke bone matshego a ka one go ka emisiwang tshenyo ya meamuso ya tlholego le go oketsa dijo ka temo. Batho ba le bararo mo go ba le bane mo Aferika ke baagi ba dikgaolo. Batho ba, ba dikgaolo, ke bone ba ba ntshang dijo mo mmung, mme ba tla tswelela ka go dira jalo isagong le go ya dikokomaneng. Mabaka a, a supa sentle gore mo dingwageng tse di masome mabedi go ya go tse di masome mararo tse di tlang, tiriso e e siameng le tshomarelo ya meamuso ya tlholego e tshwanetse go ikaega ka makgotla a dikgaolo.

PRA e Tlisa Mekgwa e Mengwe ya go Tokafatsa Matshelo kwa Mafelong a Meamuso e kwa Tlase

PRA e lemoga fa maano a ditlhabololo tse dikgolo jaaka go fetola dithulaganyo tsa ditsamaiso le go kgothatsa temo ya dijalo tse di tlhwatlhwa e kwa godimo go na le thuso mo maitekong a ditlhabololo mo Aferika. Fela, e lemoga fa maano a ditlhabololo tse dikgolo fa gongwe a tlhaela baagi ba dikgaolo, bogolo jang ba ba nnang kwa mafelong a a kgakala le ditlhabololo. Go tlhaela mo go ama bogolo jang mafelo a batho ba one ba ntsifalang ka bofefo, a malwapa a mantsi a eteletsweng pele ke bomme, le kwa go supegang gore temo ya dijo e ntse e ngotlega mo dingwageng tse di sa tswang go feta.

PRA e Rulaganya Ditiro Gore Baagi ba Dikgaolo ba Kgone go Tsenya Seatla

PRA fela jaaka Batswana, e dumela mo go reng "se tshwarwa ke ntsa pedi ga se thata". E dumela gore botlhe ba ba amegang ba tshwanetse go nna le seabe kgotsa go tsenya seatla mo ditlhabololong. Go tlhoka dithulaganyo tse di tlhomameng tsa go dira ditiro mo malobeng, go no go padisa ditiro, go dira gore di lope madi a mantsi ntswa di ne di sa busetse go le kalo. PRA e na le thulaganyo e ka yone e phuthang baagi ba dikgaolo, baeteledipele ba bone, badiredi ba mmuso le mekgatlho e e ikemetseng ka nosi (NGOs) go buisana ka ditlhabololo tsa kgaolo ya bone 'matlho a phage a lebane'. Selo se, se tlosa dipharologano fa gare ga ba ba direlwang ditlhabololo le ba ba okametseng tiriso ya meamuso. Jalo go fediwa go dumalanwe go dira dilo tse makgotla a mo gae a ka di kgonang.

Baagi ba Dikgaolo ke Bone ba Itirelang Ditoga Maano tsa Tlhokomelo ya Meamuso ya Tlholego

PRA e dira gore batho ba bantsi ba nne le seabe mo dipuisanong ka go kgaoganya batho ka ditlhopha.

Ditlhopha tse di tshwara dipuisano tse di farologaneng mme di eta di bontshiwa ditshwantsho tsa se go buiwang ka sone. Morago ga mo setlhopha sengwe le sengwe se tla ka mogopolo wa sone. PRA e bitsa phuthego e e kopanetsweng ke beng-gae le badiredi ba mmuso go rulaganya ditiro tse ba bonang di tshwanela go dirwa mo motseng wa bone ka go latelana ga tsone. Tiro e, e latelwa ke lenaneo la motse ditogamaano tsa tlhokomelo ya meamuso ya tlholego ya motse. Thulaganyo e ya ditogamaano e supa se se tshwanetseng go dirwa, gore se tla dirwa ke (bo)mang, ditiriso le ditsompelo di tla tswa kae, le gore tiro e tla bo e okametswe ke (bo)mang.

PRA e Dira Gore Maphata a Tshwaraganele Ditiro

PRA e dirisa moono wa tlhokomelo ya meamuso ya tlholego go kopanya ditiro tsa maphata otlhe a a lebaganeng le ditlhabololo. Tshwaraganelo ditiro tsa ditlhabololo e rotloediwa ka go baya fa pele ga botlhe megopolo ya ditlhabololo e e rulagantsweng ke beng-gae, batlhalefela ditiro ba puso mo maphateng a metsi, leruo, diphologolo tsa naga, temo ya dijo, temo ya ditlhare, ditlhabololo tsa magae, baabi ba dithuso, le mekgatlho e e ikemetseng ka nosi.

Metlhala e e Ferang Bobedi ya go Tsamaisa Ditiro ka PRA

1. Patlo ya Setsha

Ditsha tse go dirwang PRA mo go tsone di tlhophiwa ka kopo ya baagi kgotsa ka kgakololo ya badiredi ba mmuso. Mafelo a a tlhophelwang tiro e ke a gantsi a ganelelwang ke mathata a a tshwanang le leuba le ngotlego ya dipoelo mo ditirong. Kwa Kenya maduo a PRA a ne a atlega mo mafelong a a nang le batho ba ba sa feteng dikete tse di lesome (10,000) mme bophara le boleele jwa one bo le kwa tlase ga dikgele (kilometres) tse nne.

2. Loeto lwa Ntlha

Batsamaisi kgotsa barotloetsi ba PRA gantsi ba nna bane go ya go borataro ka palo, sephatlo sa bone e le badiredi ba mmuso gone mo kgaolong e o. Batsamaisi ba PRA ke batho ba ba tlhalefetseng ditiro tse di farologaneng tse di amanang le metsi, mmu, temo ya ditlhare, leruo, ditlhabololo, le dikitso tse dingwe tsa tlhokomelo ya meamuso ya tlholego. Pele fa go simololwa PRA batsamaisi ba nnela dipuisano le baeteledipele ba magae go ba tlhalosetsa ka se PRA e ka se dirang le se e ka sekang ya se dira.

3. Go Batla Kitso ka Lefelo

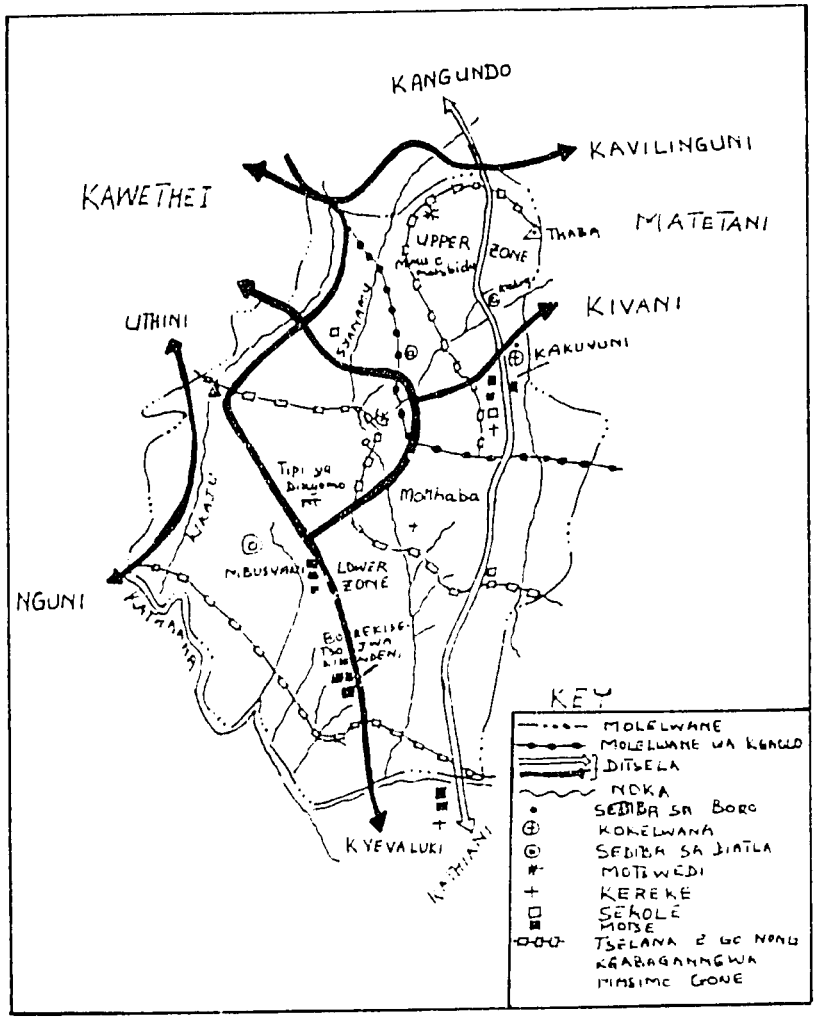
Dilo tse batsamaisi ba kgatlhegelang go di itse fa di sobokanngwa di nne. Maikaelelo a go tlhotlhomisa ka dilo tse nne tse ke go tlatsa kitso e e setseng e le teng le go batlisisa gore ditiro tse dingwe tsa ditlhabololo tse di setseng di tsweletse ke dife. Di tlhotlhomiso di batla gape go itse ka makgotla a a teng mo gae le ka ditlamelo tsa puso tse di teng.

3.1 Kitso ka Lefatshe

Batsamaisi ba dirisana le baeteledipele ba motse go dira mmepe wa lefelo la PRA o o supang dilo tsa tlholego jaaka dinoka, dithaba le tse dingwe, le tsotlhe tse di amanang le itsholelo ya lefelo. Fa godimo ga mo, go lebelelwa le gore ditlamelo tse di teng di fa kae.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi

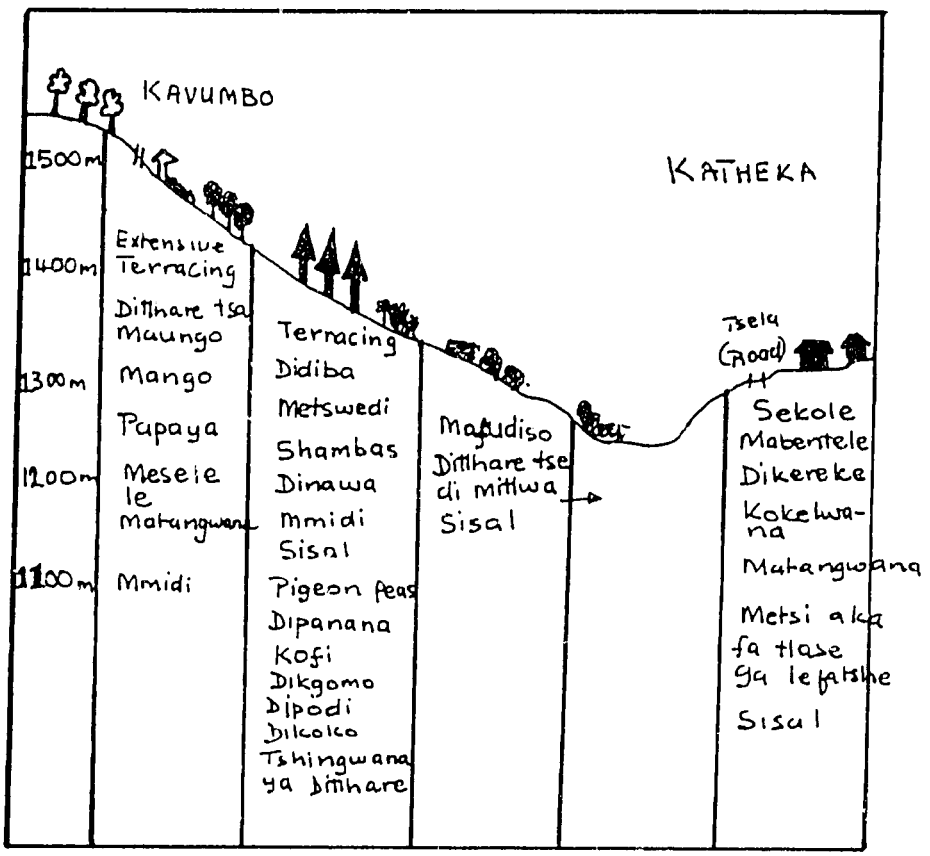
Mmepe wa Lefelo



Batsamaisi ba thusana le beng-gae g ɔ kgabaganya lefelo la bone ba eta ba tlhatlhoba tiriso ya lefatshe go senola mafelo a a nang le mathata le go akantshana gore mathata a ka fediwa jang. Tlhatlhobo e, e dirwa go tswa ntlheng e nngwe ya lefelo go fitlha go e nngwe. Go kgabaganya lefelo lotlhe ka ditlhotlhomiso jaana go senolela batsamaisi fa go na le mafelwana a a batlang dikakanyetso tse di faphegileng.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi

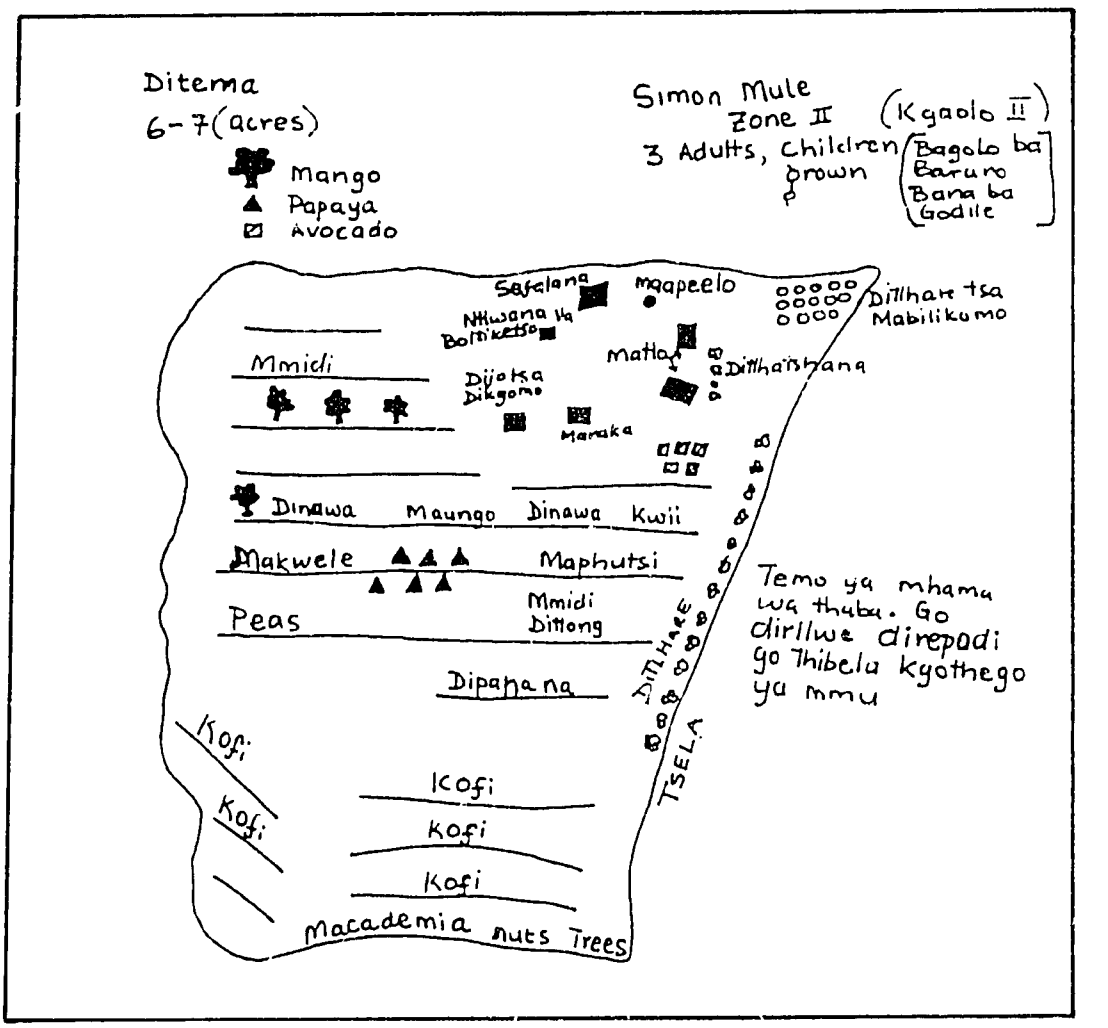
Popego ya Lefatshe



Batsamaisa tiro ba tsamaya mo masimong ba na le beng kgotsa ditlhogo tsa malwapa ba tsamaya ba tshwantsha masimo jaaka ba a bona. Masimo a ka nna marataro go ya go a fera bobedi a tlhophelwa tiro ya go nna jaana. Mafelo a tshekatsheko a tshwanetse go supa ka botlalo dipharologano tsa mafelo a masimo, dipoelo tsa beng, tiriso ya lefatshe, le merafe ka go farologana mo baaging.

Tiro e ka Tsaya Nako e e Kae?: Letsatsi lotlhe fa go kopanngwa le go batla dikarabo tsa dipotso tse di mo tsebeng ya lesome (Section 3.3)

Mmepe wa Masimo



3.2 Kitso ka Ditiragalo tse di Fetileng

Ba PRA ba kopana le baagi go buisanya ka ditiragalo tse di fetileng tsa botlhokwa mo baaging boo ba di rulaganya ka go latelana. Diphuthego tsa go nna jaana di tsenwa ke baagi botlhe ka go farologana ga matshelo le dikakanyo tsa bone go akaretswa bana le bagolo, basadi le banna. Go buisanngwa ka mathata le ka ditiro tse go bonwang di solofetsa.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi

Ditiragalo

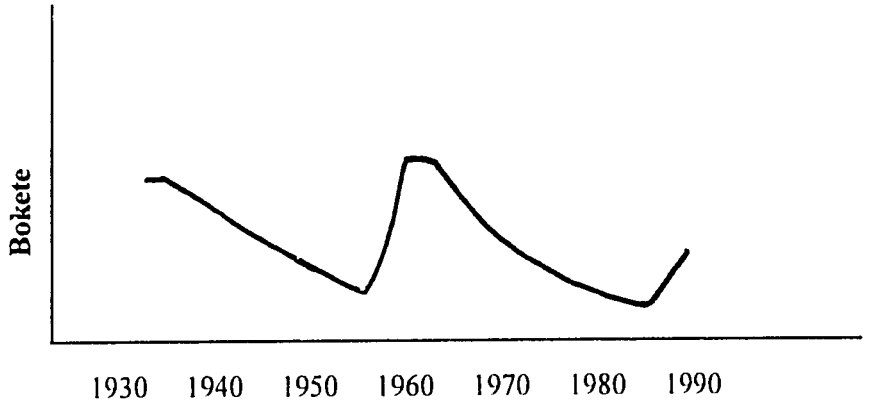
Ngwaga	Tiragalo
1836	Leuba la Yangovo
1850	Leuba la Kiasa
1861	Leuba la Mutulungo
1870	Leuba la Ngetele
1880	Leuba la Ndata
1885	Mmino wa Kyumbe
1897	Rinderpest (Bolwetse jwa Leruo)
1898	Leuba la Munyilia: mmino wa mbalia/kilumi
1898-1900	Kereke e tla Muisuini-Kangundo
1899	Seporo se fitlha kwa Konza
1906-1910	Batho bangwe ba ne ba thibelela batswa Mboni Kgosi Ntheketha.
1910	Ndata ila Ya umie.
1910-1911	Leuba la Ndata (Malakwe).
1912-1914	Tiriso ya madi e a simologa.
1914-1918	Malva (monna wa lekgoa) o pateletsa batho go fokotsa leruo.
1914-1918	Banna ba bololela ntweng.
1915-1918	Sekole se a patelediwa.
1918	Bolwetse jwa letshololo.
1918-1919	Bolwetse jwa leruo jwa lekgwago.
1928-1929	Leuba la Nzalukangye.
1930-1931	Ngwaga wa tsie.
1931	Go dirwa legora ka mokgwapha (Sisal).
1939-1940	Batho ba patelediwa go fokotsa leruo.
1939-1945	Ntwa ya lefatshe ya bobedi.
1942	Leuba la Munyoloko: batho ba patelediwa go somarela meamuso ya tlholego.
1943-1945	Leuba la Mwolyo
1949-1951	Matamo a a simologa.
1950	Merwalela ya Mamboleo.
1950-1951	Leuba morago ga merwalela; batho ba patelediwa go fokotsa leruo.

Go buisanngwa le baagi gape ka diphetogo tse di diragetseng mo lefelong la bone go tswa dingwaga tse di masome mararo go ya go tse di masome mane tse di fetileng. Diphetogo tse, ke tse di amanang le go na ga pula, temo ya dijo, kgothego ya mmu, go fela ga ditlhare ntateng ya go rengwa, botsogo, palo ya batho, le tse dingwe fela tse di amang baagi. Batsamaisi ba rulaganyetsa dipuisano magareng ga ditlhopha tsa baagi le baeteledipele go dira tiro e.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi

Diphetogo

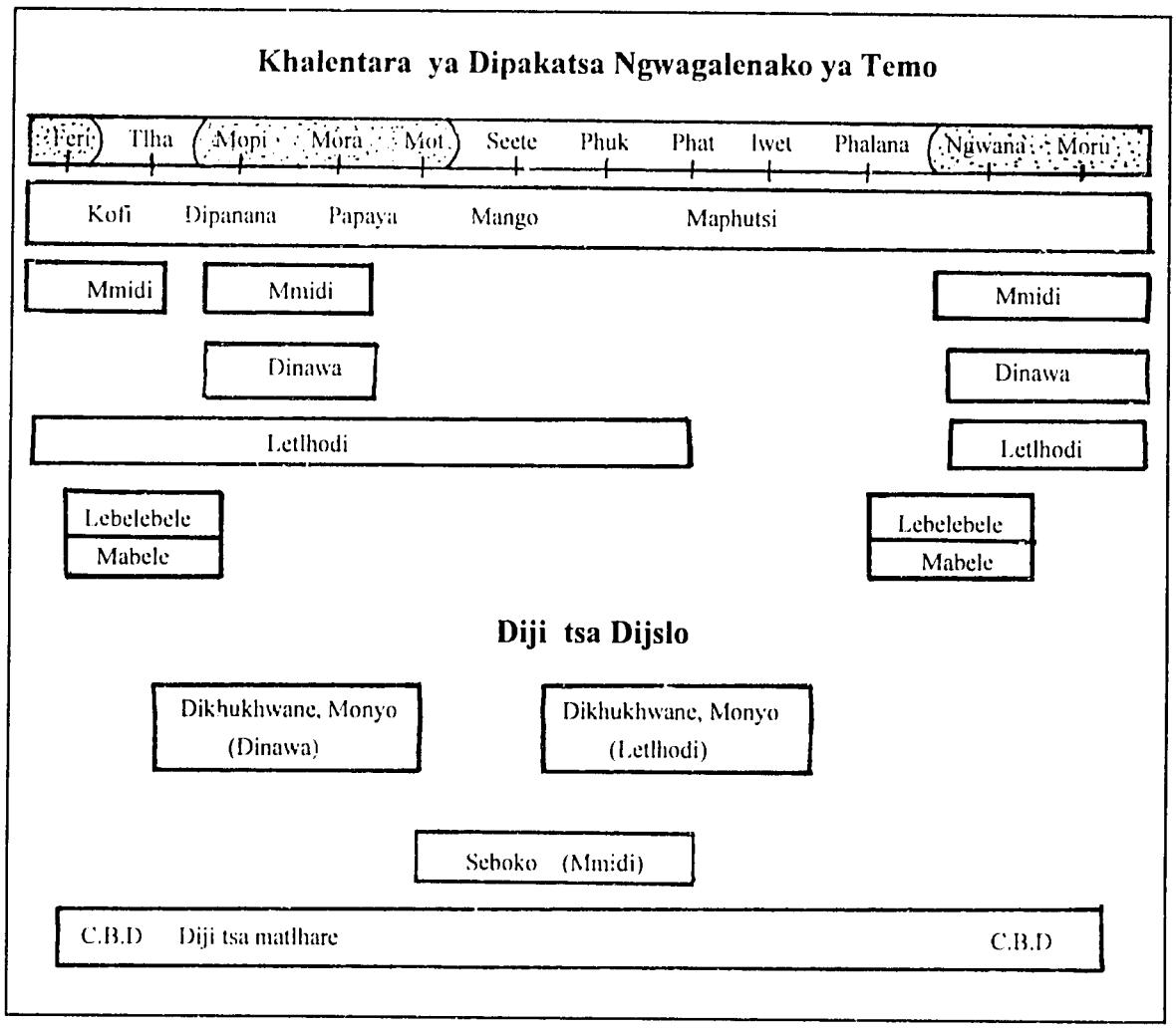
Kgothego ya Mmu



1946	Mmuso o ruta batho ka mokgwa wa go kganela kgothego ya mmu.
1951 - 1954	Batho ba rutwa ka mokgwa o mongwe wa go thibela kgothego ya mmu.
1955	Dikgotla di dira tiro ya go thibela kgothego ya mmu.
1959-1963	Ntwa ya balwela kgololesego.
1965-1968	Kgothego ya mmu e fokodiwa ka mokgwa wa dikgaisano tsa masimo.
1976 - 1986	Kgothego ya mmu e ngotlegela pele ntateng ya go dira ka natla ga ditlhopha tsa boipelego.
1987 - 1988	Kgothego ya mmu e oketswa ke: letlhoko le go tura ga didirisiwa; kgosomano ya dipula morago ga lebaka le le leele la komelelo; balemi bangwe ga ba dire ka natla.

Ka thuso ya diphuthego tsa ditlhopha tse di tshwanang le tse di neng di dirisiwa mo ditlhotlhomisong tsa masimo, ba PRA ba rulaganya khalentara ya dipaka tsa ngwaga. Kitso ka tiriso ya lefatshe, dipaka tsa mopalo, malwetse, dipaka tsa (kgora) kgoro, le dipaka tse gantsi batho ba nnang le madi ka tsone di rulaganngwa go ya ka dikgwedi tsa ngwaga. Tiragalo nngwe le nngwe e supiwa ka kgwedi e e nnang ka yone. Thulaganyo e ya ditiragalo ka dipaka tsa ngwaga e dirwa go tswa dikgwedi di le lesome le bobedi go ya go tse di lesome le bofera bobedi. Khalentara e gape e thusa go senola megopolo ya baagi ka mathata le ditsholofelo tsa bone.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi



3.3 Kitso ka tsa Malwapa a Balemi

Batho ba go dirilweng mebepe ya masimo a bone ba kopiwa go araba dipotso dingwe mabapi le malwapa a bone. Palo ya batho ba ba botswang dipotso e ka nna ya farologana, go ya fela ka gore kitso e e batliwang e batlelwang, mme gantsi e tshwana le e e dirisiwang fa go dirwa mebepe ya masimo (kgaolo 3.1). Ditlhotlhomiso tse gantsi di tsaya oura go ya go oura le sephato. Dikarabo tse di bonwang di tshwantshanngwa le megopolo e e ntshitsweng kwa dipuisanong tsa ditlhopha go tlhomamisa fa se se builweng kwa ditlhopheng se supa matshelo a baagi ka botlalo.

Tiro e ka Tsaya Nako e e Kae?: Letsatsi le le lengwe

Ditlhotlhomiso kwa Masimo

Dikarabo tse di batliwang mo fomong e di tshwanetse tsa tladiwa tsa ba tsa newa Bosele pele ga letsatsi le wela. Fomo e e tla itebaganya le go batlisisa kitso ka tsa malwapa. Tse dingwe tse go tla batliwang gore di itsiwe di tla ithutwa mo ditlhotlhomisong jaaka go ntse go tsamaiwa le masimo.

Leina _____ Maemo mo lwapeng _____ Kgaolo _____ Rra _____ Mma _____
Dingwaga _____ Ke nyets(w)e _____ Ga ke a nyal(w)a _____

O badile mang kwa sekoleng?

Rra_____ Mma _____

Batsadi ba gago ba tlholega kae?

Mo botshelong o tshotse bana ba le kae?

Ke ba le kae ba bone ba ba tshelang?

Ke ba le kae ba bone ba ba nnang le wena?

Batho botlhe ba ba nnang fano ba kae ka palo?

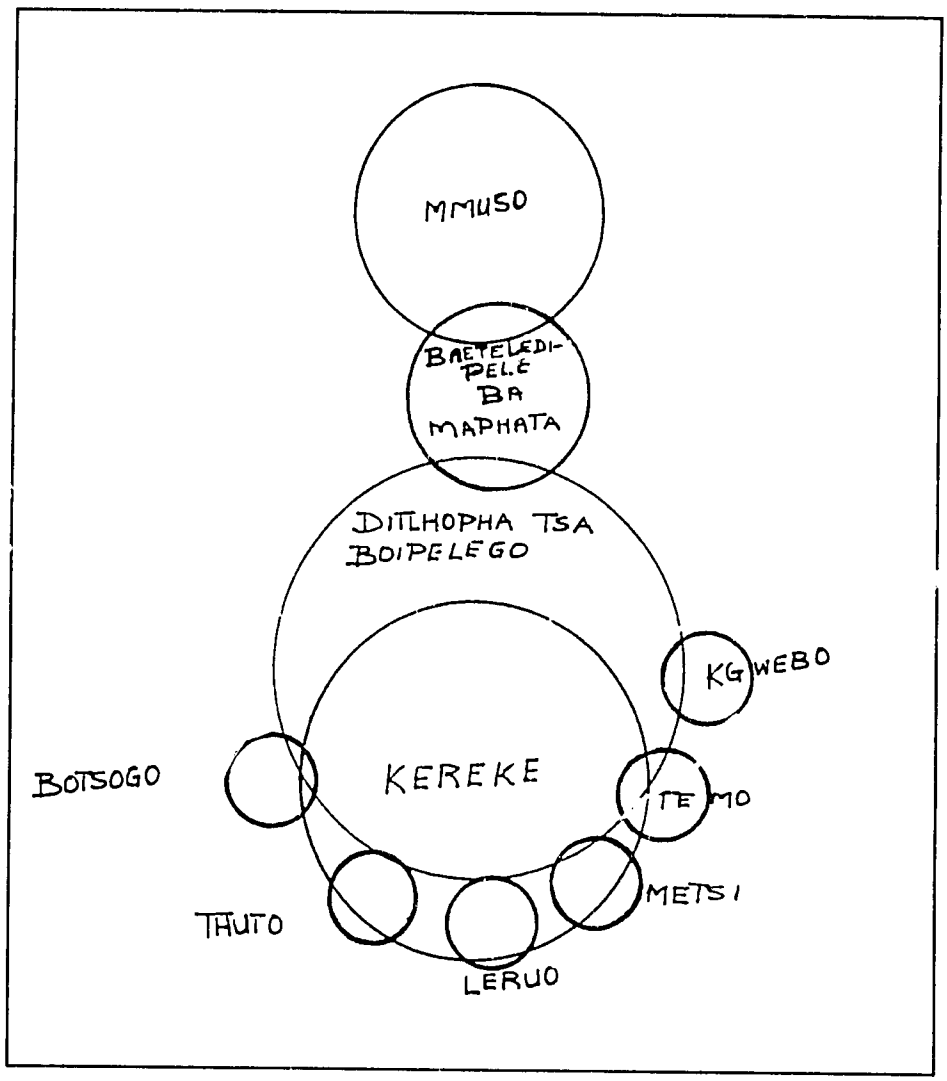
A go na le mongwe wa lelwapa yo o direlang kwa ntle ga Kyevaluki?

A batle ba thuse ka madi a sekole le go duelela menontshane?

Batsamaisi ba PRA gape ba phutha kitso ka Makgotla a Metse ya Magae. Ba kopa ditlhopha tsa baagi go rulaganya makgotla a motse go ya ka gore a botlhokwa go le kae. Makgotla a rulaganngwa ka go latelana go e ta go supiwa ka ditshwantsho go re a dirisana jang.

Tiro e ka Tsaya Nako e e Kae?: Sephatlo sa letsatsi

Makgotla a Mogae



3.4 Kitso ka Meamuso ya Tlholego

Fa godimo ga go batla kitso ka ditiragalo tse di fetileng ka lefelo le ka malwapa a balemi, bomaitseanape ba mmuso ba ba leng bangwe ba batsamaisi ba PRA I phutha kitso ka itsholelo le ka meamuso ya tlholego jaaka metsi kgotsa mmu go thusa baagi go rulaganya ditiro.

Tiro e ka Tsaya Nako e e Kae?: Letsatsi le le lengwe

Metsi a ka Bonwa Jang

Mafelo aa Solofetsang	**Seemo**	**Lefelo**	**Lefelo le siametse ditlha bololo go le kae**
Kgaoloy a Ntlha			
Letamo la Kathome	Le kgadile		A go batlwe lefelo le sele ka gore ga le sa tshwara metsi
Sekole sa Kathuli se se Botlana	Metsi a ka bonwa ka paka ya dipula	Sekole	Go ka beelediwa metsi a maribelo go nosa sekole le baagi ba ba gaofi. Gape e tla nna sekai sa mafelo a mangwe.
Motswedi wa Makalya	Metsi a ka bonwa ka paka ya dipula		Mo nakong eno ga o ntshe metsi. O batla go fatololwa le go rema ditlhare tse di gaofi. Boteng jwa sediba bo rata go okediwa. Sediba se tshwanetse go sirelediwa ka legora.
Noka ya Muu	Fa gongwe e a kgala; megare ya bolwetse jwa thota madi ga e mentsi; palo ya batho e ntsi.		A go dirwe letamo mme go tlogelwe fa metsi a ka fetang gone go dirisiwa ke ba ba kwa tlase. Letamo le tshwanetse go agelelwa.
Letamo kgotsa Lecha la Kwa Zambu	Le tshwara metsi lobaka lo lo leele. Metsi a lone a siame		Letamo le tlhoka tlhokomelo jaaka go somarela ditlhare le mmu mo tikologong.

4. Kakanyetso ya tse go Ithutilweng ka Tsone

Batsamaisi ba PRA le mongwe kgotsa ba le babedi ba bagolwane ba motse ba kopana go sekaseka tshotlhe tse di ithutilweng mo lefelong. Ba rulaganya ka mokwalo mathata a a ithutilweng ka go latelana ga one kgotsa ka ditlhophana le go lebisisa gore go ka tweng ka one. Ditiro tse di tshwanetseng go dirwa di a rulaganngwa go lebilwe gore tse di ka kgonegang ke dife mme di bo di kwalwa ka go latelana ga tsone.

5. Thulaganyo ya Mathata

Baagi ba a kopana go rulaganya mathata a a setseng a dumalanwe. Fa gongwe dipuisano di etelelwa ke batsamaisi ba PRA. Go nnile le nako dingwe tse moeteledipele wa motse a neng a okamela dipuisano tsa go nna jaana. Tiro e, e felela e supa mathata ka go latelana ga one go simolola ka a matona go ya kwa go a mabotlana.

6. Thulaganyo ya Ditiro tse di Solofetsang

Ditlhopa di rulaganya ditiro ka gore ke dife tse bogolo di ka kgonegang fa go lebilwe bogolo jwa mathata ka go latelana. Go na le maano a a farologaneng a a ka dirisiwang gore go dumalanwe ka ditiro tse di ka kgonegang. Go lebelelwa gore a tiro ga ena go reketla; a e tla thusa bontsi jwa batho; a e tla lere maduo a a solofetsweng; a e tla kgona go lere maduo ao le mo isagong; le gore a e tla kgonega fa go lebilwe itsholelo le mathata a mangwe. Baitseanape ba puso ba nna le ntlha ya botlhokwa mo dipuisanong tsa go nna jaana. Se se tla tlhomamisa gore ditharabololo tsa mathata di atlege fa go lebeletswe seemo sa boitseanape, itsholelo, dilo tsa lobopo, le mabaka a botshelo. **Tiro e ka Tsaya Nako e e Kae?**: Sephatlo sa letsatsi

Thulaganyo ya Ditiro tse di Solofetsang

Ditiro	M	I	B	T	Ditatlhe Gelo	Nako ya Dipoelo	ABoitseanape bo Teng?	Kamoge-losego
Temo ya Ditlhare								
Temo ya Ditlhare tsa Maungo								
Masingwana a Meroge								
Komiti ya Botsogo								
Nosetso e Potlana ya Dijalo								
Dijalo tse di Golang ka Pela								
Madi a Dikadimo								

KEY: M = Maduo
I = Ikanyego
B = Bokamoso
T = Tekatekanyo ya Thuso

7. Ditogamaano tsa Meamuso ya Magae

Tsotlhe tse go dumalanweng go lwantsha mathata ka tsone di rulaganngwa ka bokgoni jwa tsone. Mme di dirwa konokono ya ditumalano fa gare ga badiredi ba mmuso, mekgatlho e e ikemetseng ka nosi, le makgotla a dithuso. Mo mafelong a matlhano kwa Kenya a go dirilweng PRA mo go one, ditogamaano tsa ditiro tsa magae e nnile tsone konokono ya ditlhabololo. Jalo di dirisiwa ke botlhe, go akarediwa baeteledipele ba motse, mekgatlho ya basadi, makgotla a dikereke, dikoporasi tse di fang madi a dikadimo, le makgotla a sepolotiki. **Tiro e ka Tsaya Nako e e Kae?**: Beke e le nngwe go ya go tse pedi morago ga PRA e fediwa.

8. Tshimolodiso ya Ditiro

Fa ditogamaano di weditswe jaanong ke nako ya go tsweledisa tiro. Maduo a a atlegileng, fa go lekolwa ditiro morago ga sebaka, a ditlhelwa kwa mafelong a bagolwane ba motse (jaaka mothusa kgosi, modula setulo wa koporasi ya balemi, mogokgo) ba leng tlhaga. Mo lebakeng le lengwe motlhokomedi wa metsi o ne a nna le seabe se segolo mo tsweledisong pele ya ditiro. Mo mabakeng mangwe fa go neng go tlhokwa ditsompelo, mekgatlho e e ikemetseng ka nosi e ne e thusa ka didirisiwa go balelwa semente, terata, le dikgetsi tse go jalelwang ditlhatshana mo go tsone. Mo dipakeng tsotlhe tiro e ne e itirelwa ke baagi ka ditlhopha tsa boipelego.

Ditogamaano tsa Ditlhabololo tsa Motse

Metsi: Kgaolo ya Ntlha

Mafelo a go ka Bonwang Metsi: ka go Latelana	Tsedi Tlhokegang	Komiti e e tla Dirang Tiro	Lobaka lwa Tiro
Borulelo jwa Sekole se se Botlana sa Kathome	1. Maje a a Thubilweng (21 tons)	1. Morafe	Setlhopa se tla dira le batsadi ba baithaopi beke le beke. Tiro e tla simololwa ka Seetebosigo 20, 1993.
	2. Motlhaba (28 tons)	2. Morafe	
	3. Maje a a Agang	3. Dithuso	
	4. Kgetsi tsa Semente (150)	4. Dithuso	
	5. Semente se se Thibang Metsi (50kg)	5. Dithuso	
	6. Mo go Beele-tsang Metsi a Maribelo (200m)	6. Dithuso	
	7. Mo go Agele-tsang Mari-belo (200m)	7. Morafe	
	8. Ditshipi tse di Agang (round bars 1200m)	8. Dithuso	
	9. Dipolanka (6x1 @ 1000'; 3x2 @ 600')	9. Dithuso	
	10. Ditiro tse di sa Elweng Sekoleng.	10. Morafe	
	11. Ditiro tse di Tlhokang Kitso e e Rileng (Malatsi a 30)	11. Badiri ba puso	

Mosola wa PRA

Go Rotloetsa Batho

Mosola o motona wa PRA ke go kgona go rotloetsa mekgatlho ya baagi ba magae go itebaganya le ditiro tsa ditlhabololo tse dinang le bokamoso. PRA e lemotsha batho ka tse di ka kgonegang le gore mekgatlho ya mo gae, go akarediwa le ya bomme, e ka di kgona jang.

Go Supa Ditiro ka Dilo tse di Bonwang ka Matlho

PRA e dumela gore baagi ba dikgaolo ba kgona go nna le seabe mo ditirong tsa ditlhabololo motlhofo, fa ba eta ba bontshiwa ka matlho dilo tse go boiwang ka tsone. PRA e dira jaana ka go supa mebepe le tse dingwe tse baagi ba ka di tlhaloganyang, ba akgela ka tsone, mme ba baakanya diphoso fa go ntse go phuthwa kitso ka lefelo.

Go Akantshanya le Batho ka Mathata

Go dirisana le batho le tiriso ya dilo tse di bonwang ka matlho go thusa batsamaisi ba PRA go tshwara dipuisano le baagi ba ba nang le kitso ka nako tsotlhe. Selo se, se thusa fa go sekasekwa mathata go bona a a setseng a kgonnwe le go neelana megopolo ka gore a a setseng a ka kgonwa jang.

E Senola Ditiro tsa Botlhokwa kwa Magaeng

PRA e dira baagi gore ba kgone go rulaganya ka fa mathata a tshwanetseng go rarabololwa ka teng go lebeletswe dikeletso tsa bone, boitseanape jo bo teng, tshomarelo ya dilo tsa lobopo, le kafa go ka fokodiwang ditshenyegelo ka teng. Se se kgonwa ka go baakanya lenaneo la ditogamaano tsa tlhokomelo ya meamuso kwa magaeng.

PRA e na le Thulaganyo e Ntle ya Tsenyo Diatla Tirong

Ditogamaano tsa tlhokomelo ya meamuso ya tlholego tsa metse ya magae di naya ba mekgatlho e e ikemetseng ka nosi, maphata a puso, dikomiti tsa ditlhabololo tsa dikgaolo, le ditlhopha tsa mo gae lenaneo le le popota la tse di tshwanetseng go dirwa le le ka kopelwang dithuso. Lenaneo le dira gore ba mafatshe a sele ba ba fang dithuso ba kgone go le ntshetsa dithuso. Gape le dira gore dithuso tse, di tlhamalalediwe kwa baaging ba dikgaolo.

Ditiro di Lekolwa ke Baeteledipele ba Dikgaolo

Ditiro tsa PRA di kgona go okamelwa di ba di laolwa ke baagi ba dikgaolo. Tshimolodiso ya ditiro le go lekola gore a di tsamaya sentle ga e lope madi a mantsi ka gore baeteledipele ba dikgaolo ba na le boikarabelo le bokgoni jwa go bona gore a di tsamaya sentle.

E Tlisa Tirisano mo Ditirong tsa Maphata

Ka go dirisa tlhokomelo ya meamuso ya tlholego go tshwaraganya ditiro tsa ditlhabololo, PRA e dira gore go nne le ditirisano gareng ga maphata a metsi, temo, tlhokomelo ditlhare, botsogo le thuto. Jalo maphata a a dirisana mo ditirong.

Bofefo le go sa Lope Madi a Mantsi

PRA e diragadiwa ka bofefo. Malatsi a ka nna marataro a dirisiwa mo ditlhotlhomisong fa a le mararo a dirisiwa mo dipaakanyong. PRA e dirisa badiredi ba mmuso ba ba ntseng ba direla kwa dikgaolong, mme jalo e fokotsa ditshenyegelo tsa go lere batho go tswa go sele.

Maduo a PRA

Lenaneo la Ditogamaano tsa Ditlhabololo tsa Magae

Selo sa botlhokwa se PRA e se direlang baagi ke lenaneo la ditogamaano tsa ditlhabololo le e leng la bone. Mo mafelong a mangwe tiro e, e thusitse go kopanya baagi ba ba neng ba sa utlwane kgotsa ba sa tshwenngwe ke tshenyego ya meamuso le temo ya dijo e e welang tlase. Le fa lenaneo la ditlhabololo le sa tlhomamise gore ditiro tsotlhe di tla kgonega, le gore dikgotlhang fa gare ga baagi di tla nyelediwa, go supegile diphetogo mo mafelong a ditekeletso a le matlhano kwa Kenya. E bile diphetogo tse di kgona go tsweledisiwa ke baagi.

Kopo ya Dithuso e e Rulagantsweng Sentle

Selo sa bobedi se PRA e se dirang ke go thusa baagi go kopa dithuso kwa mafatsheng a sele go dira ditiro tse di potlana. Lefa baabi ba dithuso le mmuso o sena batho ba ba lekaneng go direla baagi ba dikgaolo mananeo a ditiro, batho ba ba ithusitseng ba kgona go thusiwa. Go na le dikai tse tharo tse go fitlhetsweng baagi ba dikgaolo ba ithusitse jaaka go ikwalela dikwalo tse di kopang dithuso; go dira gore mekgatlho e e ikemetseng ka nosi e kgatlhegele tiro ya bone; go kgothatsa badiredi ba mmuso go batlela di dirisiwa le baitseanape ba ditiro. Konokono mo go boneng dithuso ke botswerere jo PRA e rulaganyang dikeletso tsa baagi ka teng jaaka go supega mo lenaneong la ditogamaano tsa magae.

Go Nonotsha Makgotla a Dikgaolo

Tiro yotlhe ya go dira ditlhotlhomiso, ditogamaano, le go simolodisa ditiro e tlisa thuto ya botlhokwa ya boitseanape le go okamela ditiro mo makgotleng a dikgaolo, mme e oketsa bokgoni jwa one jwa go ikemela ka nosi. Konokono ya ditlhabololo tse di nang le bokamoso kwa dikgaolong ke go nna le makgotla le baeteledipele ba ba kgonang go okamela le go itirisa ditiro ka bo bone. PRA e thusa ka go dira gore bokgoni jwa go nna jalo bo nne teng.

Go Dira

PRA e diragatsa ditiro. Dikai di le mmalwanyana di setse di boletswe. PRA le mananeo a ditogamaano di thusitse go tlhabolola metsi, go oketsa dikgong, go babalela mafudiso, go lema dijo le go tlisa dipoelo. Bosupi jo bo teng bo supa fa ditiro tse di tshwanang le tse, di ka kgonega le mo mafelong a mangwe.

Mafelo a PRA e ka Dirisiwang mo go One

Dikgaolo tsa Meamuso e e kwa Tlase

Lefa e dirisiwa mo mafelong otlhe a lobopo PRA e na le thuso bogolo mo mafelong a meamuso e e kwa tlase jaaka a komelelo. Ka kago ya magae le temo mo Aferika jaanong di anama le mafelo a komelelo, PRA e tlisa tsholofelo ya dithuso go thusa baagi ba dikgaolo go ithusa.

Mekgatlho e e Ikemetseng ka Nosi

Mekgatlho e e ikemetseng ka nosi e e dirang le ditlhabololo tsa meamuso e ka dirisa PRA go dira dithulaganyo tsa ditiro le ditogamaano tse di ka lopang madi a a kwa tlase, mme, go na le tumelo e kgolo ya gore tiro e tla kgonega e ba e lere maduo a a solofetsweng.

PRA e Itebaganya le Dikgaolo

Mo mafatsheng a a tshwaanang le Kenya kwa ditiro tsa ditogamaano tsa dikgaolo di dirwang teng kwa dikgaolong, mme maikaelelo a mmuso e le go di diragatsa PRA e ka nna le thuso. PRA e na le bokgoni jwa go thusa makgotla a dikgaolo le magae go dirafatsa ditiro tsa ditlhabololo tse di nang le bokamoso.

Ditlhopha tsa Baithaopi

Ditlhopha tsa baithaopi tsa mafatshe a sele jaaka IVS le US Peace Corps di ka dirisa PRA go tokafatsa ditiro tsa tsone. Baitlhaopi ba magae ba ka ithuta ka mokgwa wa go dira dilo wa PRA, go ithuta ka pela gore makgotla a magae a bereka jang. Gape ba ka tlhaloganya ditiro tse baagi ba dikgaolo ba bonang di tlhokafala.

Makgotla a Mafatshefatshe

Go bonala fa makgotla a dithuso tsa boitseanape jwa ditiro a kgatlhegela ditogamaano le ditiro tse di itirelwang ke baagi ba dikgaolo le gore mekgatlho e e ikemetseng ka nosi e bo e tsweledisa ditiro tsa ditlhabololo. PRA e kgona go inaakanya sentle le maiteko a go nna jaana.