

We are in a unique and privileged position to work with this pristine wilderness, to create a 21st century model of conservation.

When Kuki Gallmann lost her husband in 1980 she embraced the biggest challenge of her life: To preserve a wild oasis of biodiversity through sheer determination, willpower and imagination. Knowing only that it was the right thing to do she closed down the ranching business and offered the land back to nature. Her foresight and singleminded belief in this mission has created what the Mukutan Conservancy is today.

With the Mukutan Conservancy REDD+ Project, we are now in a unique and privileged position to work with this pristine wilderness, to create a 21st century model of conservation.

Through collaboration with the local communities and the initiation of groundbreaking projects, we believe the Mukutan Conservancy will continue to stand out as a shining example of the ability to harmoniously weave communities into successful and innovative conservation projects that combine education, culture, the arts, sports and biodiversity. It is a new model for sustainability in a natural world increasingly under threat.

#### THE EXTRAORDINARY BIODIVERSITY OF THE MUKUTAN CONSERVANCY

Key Biodiversity Areas are places of international importance for the conservation of biodiversity through protected areas

- Ol Ari Nyiro (The Place of Springs) is 365 sq km of privately protected area, situated at the extreme edge of the Great Rift Valley
- Part of the Eastern Afromontane Biodiversity Hotspots. A Key Biodiversity Area and an Important Bird Area
- Qualified as UNEP World Designated Protected Area (WDPA)



200-800 migratory elephants,

130 lions, cheetah, leopard, golden cat, bat-eared fox, wild dog and numerous other large mammal species



484 species of birds - 7 of which are listed as globally threatened with extinction in the IUCN\* red list



55 species of reptiles 15 amphibians



2,350 species and subspecies of plants, including Aloe Francombei, new to science and endemic to the area



142 GPS-documented natural springs - 64 are permanent





Numerous Early and Middle Stone Age archaeological sites recently discovered

## WHERE WE ARE

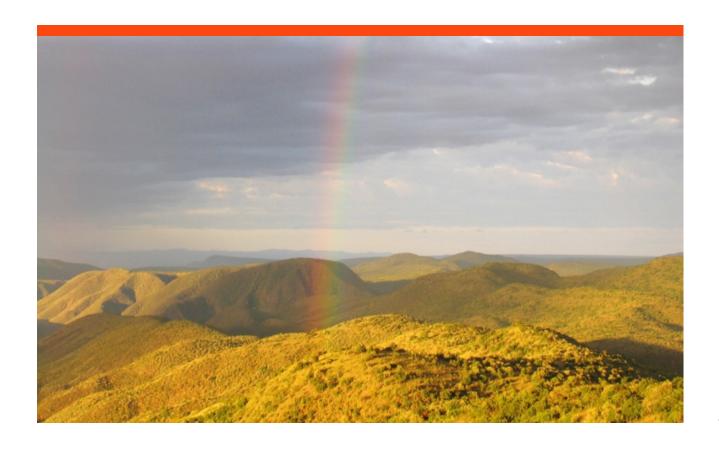
# 90,000 acres of indigenous forest on the edge of the Great Rift Valley

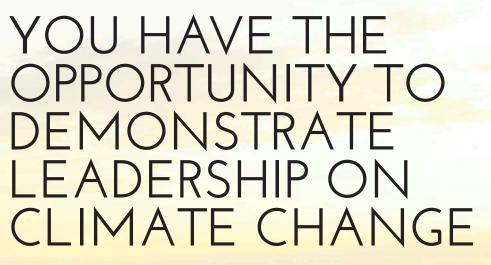
- Perched high on the Western Laikipia plateau in Kenya
- Spanning 90,000 acres of indigenous forest and savannah grassland on the edge of the Great Rift Valley
- Encompasses one of the most remarkable topographic features in Kenya, the dramatic Mukutan gorge, which drops from 6500ft to 2000ft above sea level and through which the main tributary to Lake Baringo flows via waterfalls and rock pools into the Rift Valley.

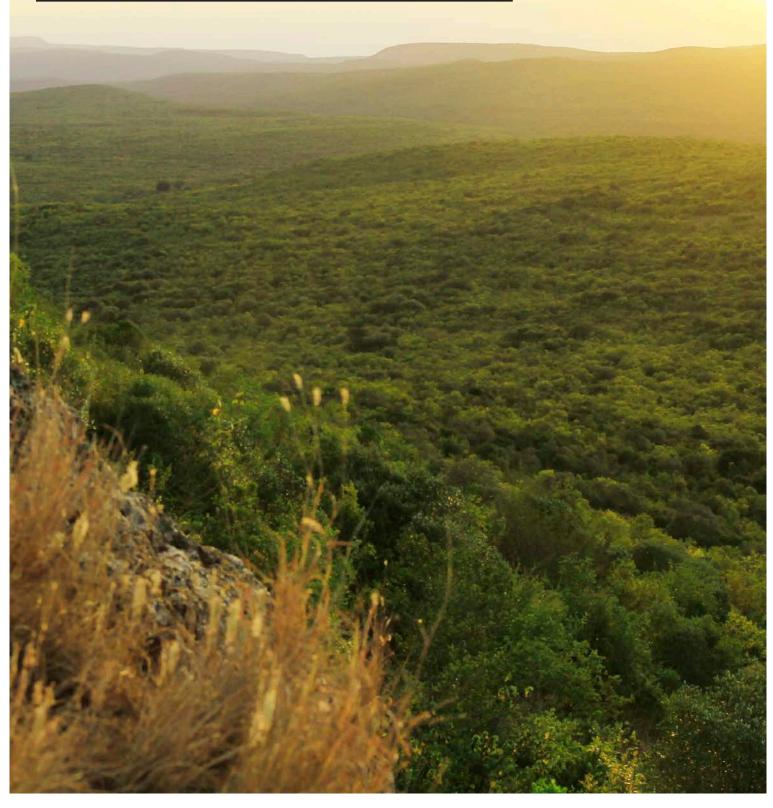
## Empower the local community to shape their future



- Provide a sustainable long-term revenue stream to safeguard the biodiversity of Mukutan Nature Conservancy
- Empower the community to shape their future by addressing key areas of need and stimulating ecologically sustainable economic development.
- Educate the local community in the value of preserving the flora and fauna of the area ecologically sustainable economic development.







The Mukutan Conservancy REDD+ project will provide a sustainable long-term revenue stream to safeguard the biodiversity of MNC and fund local community initiatives

Building on the hard work and success of the Gallmann Memorial Foundation we have collaborated to create the Mukutan Conservancy REDD+ project. The project is being verified and validated under both the Verified Carbon Standard (VCS) and Climate, Community and Biodiversity (CCB) Standard.

We are partnering with the Clinton Foundation on the design and implementation of the community aspect of the project, whilst employing specialist consultants for the technical side of the process. Through this team, we are training the MNC conservancy staff in key REDD+ skill sets. This will provide MNC with the knowledge - not only to carry out the ongoing monitoring for yearly verification but also develop the skills necessary to roll out the project to the surrounding community areas.

The Mukutan Conservancy REDD+ project will provide a sustainable long-term revenue stream to safeguard the biodiversity of MNC, educate the local community in the value of preserving the flora and fauna of the area and to give them tangible benefits from doing the same.

A specially created community fund will receive revenue from the sale of Carbon Credits. The board of the fund is comprised of selected community elders and leaders as well as specialists in the field of community development.

Going carbon neutral is an easy way to take responsibility for the greenhouse gas emissions we create every time we drive our cars, take a plane, turn on our computers, or manufacture products. It is based on the principle that, since climate change is a global problem, an emission reduction made elsewhere has the same positive effect as one made locally.

By investing in a REDD+ project, you have the opportunity to demonstrate leadership on climate change. The purchasing of MNC REDD+ Credits will preserve the flora and fauna of the conservancy and prevent deforestation, contributing to keeping our planet's ecosystem healthy and slowing down global warming.











# CALCULATING THE DEFORESTATION AND DEGRADATION RATE

The CDM predicts that 88% of the project area would have been deforested by small scale agriculture 30 years after the project start date.

The amount of the project area that meets forest definition is 34,242 ha (or 98%).

The deforestation model was built using a grid of 213 randomly generated sampling points across the reference area.

In order to build the Cumulative Deforestation Model (CDM), a series of historical Landsat satellite images showing the project area and reference area were collected.

A linear model of deforestation that predicts 0% in December 2015 and 88% at the end of 2045 was used to estimate NERs over the project lifetime.

"Our planet is losing forests at a rate of eight football fields every 10 seconds "

Carter Roberts, CEO World Wildlife Fund

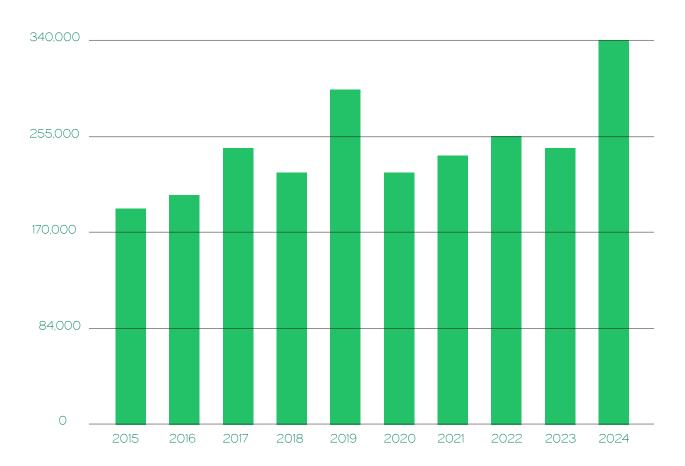
#### CARBON ESTIMATES

# An average of 220,000 tonnes of carbon per year

The feasibility study conducted by Wildlife Works Carbon indicated:

- 7.9 8.5 million tonnes of Carbon
- 88% deforestation rate over a 30 year project period
- Ex-Ante Net Emission Reduction (NER) of approximately 6.5m tonnes of Carbon
- An average of 220,000 tonnes of carbon per year

#### Estimated NER's (tCO2e) to



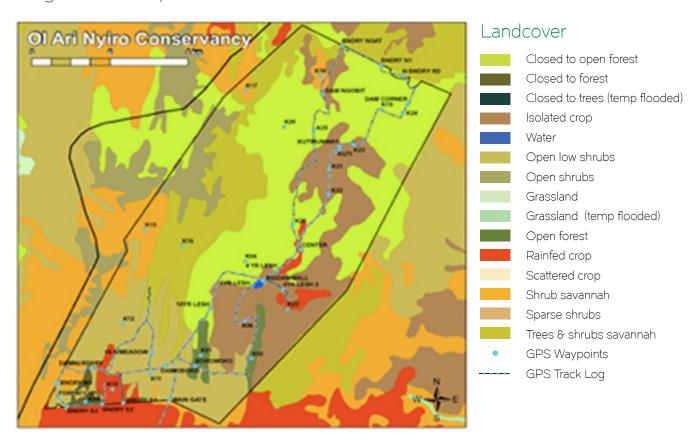
#### CARBON CALCULATIONS

Stratifying the conservancy by key vegetation type using remote sensing

Calculating the initial estimates for the carbon pool on the conservancy was accomplished by:

- Stratifying the conservancy by key vegetation type using remote sensing
- · An extended carbon sampling team conducted a carbon inventory of the forest within MNC
- · Ground-truthing through random plot sampling to establish the accuracy of remotely sensed data
- · Total biomass of trees and shrubs was estimated using published allometric equations

#### Vegetation Map



## CARBON CALCULATIONS

#### Estimated carbon stocks by cover type (stratum)

Pool	Conservative		Realistic	
	tCO2e/ha	Total tCO2e	tCO2e/ha	Total tCO2e
Tree biomass	148	5,075,760	186	6,363,922
Non-tree biomass, shrubs	47	1,598,362	47	1,598,362
Litter	0	0	0	0
Soil	0	0	0	0
Long-lived wood products	0	0	0	0
Total	195	6,674,122	233	7,962,284

#### Estimated carbon stocks by pool

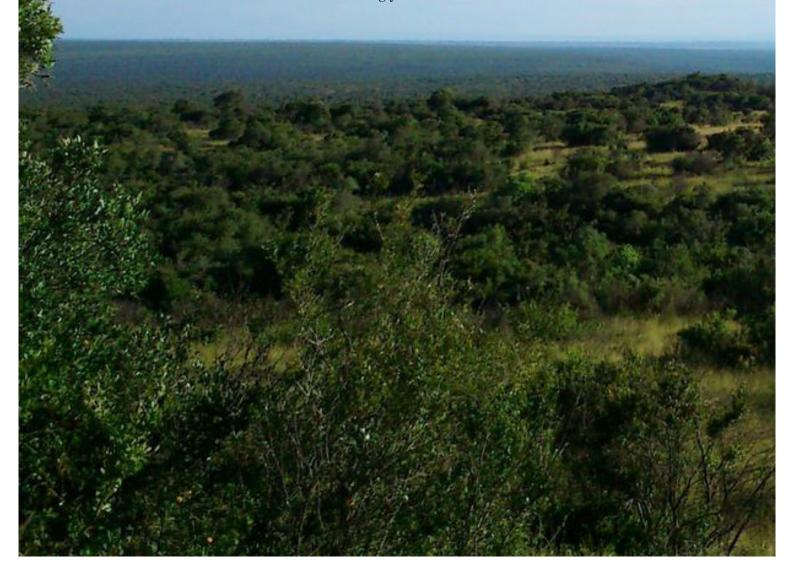
Cover Type		Conservative		Realistic	
	Size (ha)	tCO2e/ha	Total tCO2e	tCO2e/ha	Total tCO2e
Engelesha Forest	869	317	275,567	420	364,592
Leleshwa	13,904	74	1,031,856	79	1,095,509
Mixed Olive/Leleshwa	10,779	242	2,608,751	286	3,082,350
Mukutan Gorge	4,345	338	1,466,717	358	1,553,403
Olive Meadow	4,345	297	1,291,231	430	1,866,430
Excised Area	518	0	0	0	0
Total	34,760	195	6,674,122	233	7,962,284

# OUR PHILOSOPHY

The Mukutan Conservany has inspired a new model for conservation in a natural world increasingly under threat

For over three decades the Mukutan conservancy has fostered community relationships and protected biodiversity giving it a unique and privileged position to create a 21st Century model of conservation and community working together in harmony.

Through collaboration with the local communities and the initiation of groundbreaking innovative projects, we believe the Conservancy will stand out as a shining example of the ability to harmoniously and successfully combine art, education, sports, and biodiversity. It is an inspired new model for conservation in a natural world increasingly under threat.



#### CONSERVATION

## Protection of the remarkable biodiversity

The conservancy provides a vital refuge for a population of between 200-800 migratory elephants, 130 lions, cheetah, leopard, golden cat, bat-eared fox, wild dog and numerous other large mammal species. It is also home to 478 bird species, including over 40 on the IUCN Endangered 'Red List' and the largest population of Cape Buffalos in East Africa outside of National Parks.

The Mukutan Nature Conservancy REDD+ project will ensure vital resources are provided to continue the protection of this 90,000 acre nature conservancy of unparalleled beauty and biodiversity on the edge of the Rift Valley in Kenya.

#### COMMUNITY

Diverse ethnic communities including the Pokot, Samburu, Tugen, Kikuyu and Turkana

Diverse ethnic communities including the Pokot, Samburu, Tugen, Kikuyu and Turkana surround the conservancy, each with a rich unique culture and different ways of surviving off the landscape.

Our community projects seek to benefit these distinct communities by raising their living standards and creating training and employment directly tailored to their skills and knowledge whilst respecting and celebrating their cultural differences.



#### CONSCIOUSNESS

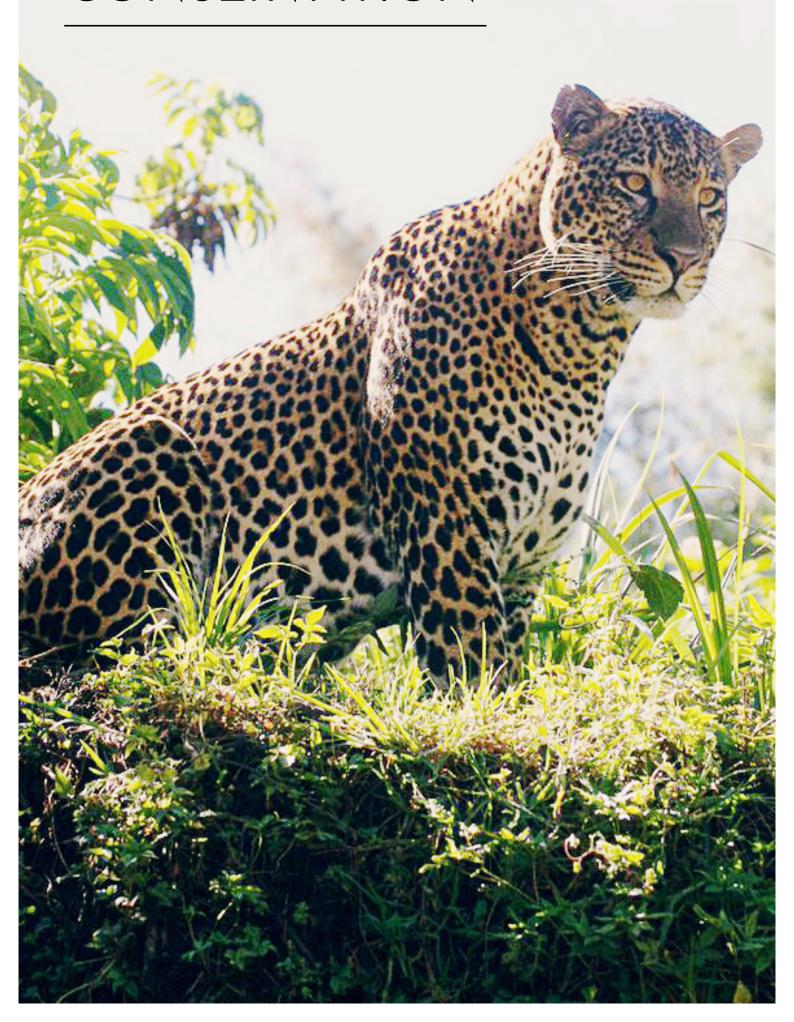
Adapt to living sustainably with our planet

We believe that to create impactful and far reaching change and to adapt to living sustainably with our planet we must address humanity's disconnect from nature and the underlying imbalances that have caused the problems we face.

The Mukutan Conservancy fosters a program of activities which brings people back to the Birth place of Humanity to reconnect with instinct and

nature. Ranging from peace gatherings, artists collaborations, higher level education, conferences, research and transformational experiences which aim to explore interconnectivity, innovation and creativity in the Cradle of Humanity.

# CONSERVATION





Due to its unique topography, and location on the Edge of the Great Rift Valley, the Mukutan Conservancy is home to an unusual abundance and diversity of life. Each year new species records are discovered, including 3 species new to science - a butterfly **(Aslauga gallmanneae)** a frog **(Tomoptera gallmanneae)** and an Aloe **(Aloe Francombeii)** 

Recently awarded 'Key Biodiversity Area' status, recognized by IUCN. Preparing for UNESCO World Heritage Site nomination, Applying for Water tower Status as the main source of water for the Lake Bagoria world Heritage site





Order of the Golden Arc for Conservation

Wings World Quest Women of Discovery Award

Order of the Golden Arc for Conservation

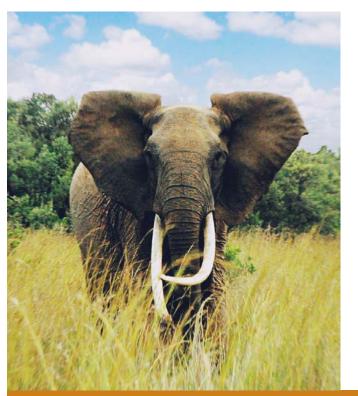
2006 / The Peruvian Order por la Protecion del Ambiente

2006 / World Ambassador for Migratory Species by the UN Convention for Migratory Species

2009 / Event of the Year World Award by the Peace and Sport Foundation in Monaco

2010 / The Africa Hero Award by the Africa Foundation (US, New York)

2012 / Grosso d'Oro Veneziano International Award for life time Conservation Achievement





#### ANTI-POACHING

REDD+ project will provide a direct conceptual link between the protection of biodiversity and an income for communities

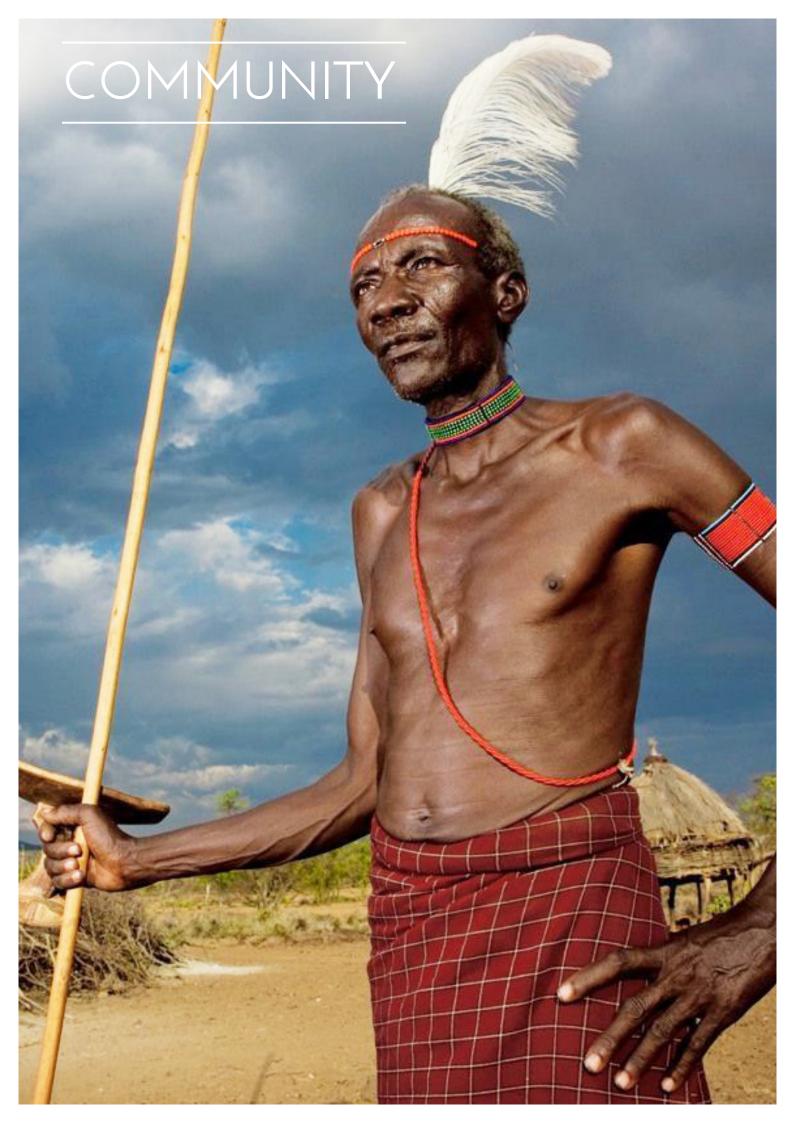
In 1983, when the first wave of illegal poaching swept across Kenya, Kuki Gallmann set up its first ever private anti-poaching force and was instrumental in the globally acclaimed burning of the ivory ceremony. Now the well publicised exponential surge in the demand for ivory and other animal products driven by Asia is causing another wave of destruction and poaching that could again push elephants and other animals to the brink of extinction.

The Security of the conservancy is dependent on creating a delicate balance between community education and involvement, and a response force that can both anticipate and react to threats.

Measures to counteract poaching must be proactive and robust enough to pose a serious deterrent to poachers who are increasingly heavily armed and well equipped. Surveillance, monitoring, information gathering and storing systems must be extensive, efficient and reliable.

The REDD+ project will provide the necessary financial capacity to cover core operational and security costs of the conservancy and maintain and develop new community and environmental projects aimed at safeguarding the resident elephant population. It will also enable us to create long term management plans, community engagement and training, and environmental and community programs with a conservancy strategy designed to ensure the long term protection of the biodiversity and the communities that rely on it - financially, socially, and environmentally.

The REDD+ project will provide a very direct conceptual link between the protection of biodiversity and an income for communities, thus incentivizing them into a stewardship of the biodiversity. The project will be the catalyst for creating local community conservancies and lead to the expansion of wildlife friendly areas.



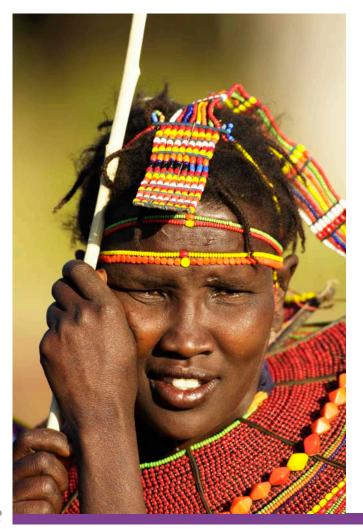
The Mukutan Conservancy is surrounded by a diverse community of more than 100, 000 people. It is the meeting point between different tribes including the Pokot, Samburu, Ngemps, Tugen, Kikuyu and Turkana.

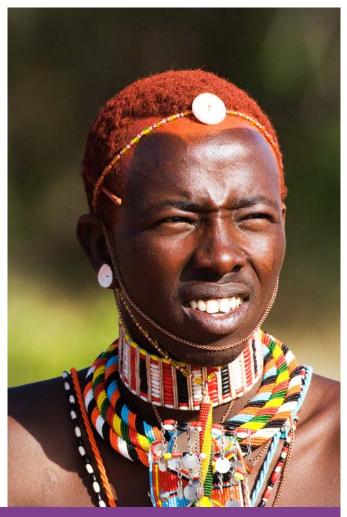
These people share their future with the conservancy relying on it for watershed security, pasture during drought, water, healthcare, employment, education, welfare, safety. The REDD+ project will align this future even more poignantly.

In the past there have been times of unrest between different ethnic communities. The conservancy has always been a place of refuge in these times, in turn housing women and children and facilitating negotiations between elders. Through the Gallmann memorial foundation, the Conservancy supports several projects which enhance the cultural fabric of the area. The 4 Generations works through the school system and in centered round an innovative oral curriculum which encourages youth to seek out indigenous knowledge from the Elders.

Other projects seek to create employment and training, empower women and youth, and provide heathcare and education. The Mukutan Conservancy believes in the power of the spirit to overcome all hardship and so we seek to create projects that also enhance spirit, confidence and creativity.

The Mukutan Conservancy believes in the power of the spirit to overcome all hardship







#### **HEALTH**

The MNC has contributed directly to the health of the local communities through several initiatives including the following:

- Built, equipped and staffed a Maternity Clinic with a midwife and a public health nurse
- Built and equipped a Full Operating Theatre in Ol Moran which has provided over 2000 medical operations for free with volunteer surgeons
- Free weekly nutritious food and medical check ups at our Land of Hope Pre-school centre and in mobile clinics in the field
- Built a medical dispensary and diagnostic centre at Mbogoini
- · Distributed 150 hearing aids to children
- Built 5 dams and 3 boreholes in community areas for access to water

Built and staffed a maternity clinic and full operating theatre at Ol Moran





#### POKOT YOUTH FOR PEACE

These young men have travelled far and wide with their performance and have become heroes, mentors and trainers

In 2010, following a period of ethnic violence and drought which resulted in unruliness and crime, we gathered a group of 25 youths who had all been involved in violence, crime and poaching. Long conversations revealed that there was little for them to do with their time in their community.

We gave them an alternative through acrobatics and performance which they combine with their breath-taking song and dance and story-telling. Now these young men have travelled far and wide with their performance and have become heroes, mentors and trainers for the youth in the area, advocating peace and educating their peers against poaching.

They conduct trainings in schools and catalyse community projects such as bee keeping and rain water harvesting.





#### LAND OF HOPE



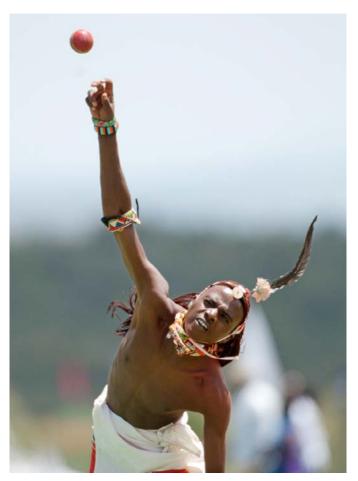


Land of Hope is a vibrant eco-friendly community center where women, children and youth from different ethnicities come together.

Located in an area that only a few years ago was torn apart by ethnic and politically based violence and then abandoned, Land of Hope is now a vibrant eco-friendly community center where women, children and youth from different ethnicities come together. Land of Hope gives women and youth employment training and enhances resilience and livelihoods through the provision of basic health and educational services.

#### Land of Hope consists of:

- A pre-school center with play and learning facilities for young children
- A women's empowerment and vocational training centre for beading, craft making, and tailoring
- A youth campus with a state-of the-art high altitude sports coaching center
- A borehole which supplies water to the community
- Plans afoot for a library, organic vegetable garden and mobile cinema







### THE LAIKIPIA HIGHLAND GAMES

Sports as a means to promoting peace dates back from the times of the first Olympics and has recently been recognized by the United Nations as a powerful tool to promote reconciliation.

The Laikipia Highlands games, - born in October 2008 in partnership with the Kenyan Olympic Committee is an annual sporting initiative which uses the fundamental values of sport to foster good will, build relations, bridge divisions, and harness the natural competitive spirit of youth and the recognized high potential of Kenya Highlands Athletes, to engage in peaceful competitions.

The games also offer unique opportunities to emerging new athletes to be seen by national recruiters and members of the Kenyan Olympic Committee. The games also offer unique opportunities to emerging new athletes to be seen by national recruiters and members of the Kenyan Olympic Committee

The individual events include:

- Football, cricket and volleyball
- Long/triple jump, High Jump, Shotput, Javelin Sprinting and long distance running.

In 2010 the Laikipia Highland Games received the prestigious 'Peace and Sports Event of the Year' award in Monaco and now attracts about 3000 participants annually.

Several young athletes have been selected to go for further training a the Kipchoge Kipkeino High Altitude Olympic training centre and some now have professional careers at the national level.



#### ECO-CHARCOAL & TREE PLANTING

We have embarked on a landmark program in collaboration with the local community

An essential element of the REDD+ project is to prevent deforestation and degradation leakage into the surrounding areas. To mitigate this risk we have embarked on a landmark program in collaboration with the local community to create a fully sustainable eco-charcoal business. By employing members of the local community to harvest wood in areas of thick bush we not only deliver much needed employment but also cut important firebreaks. This harvested wood is then turned into fully sustainable eco-charcoal through extremely efficient retort kilns built with funding from UNDP and the Leopardess foundation. The eco-charcoal is distributed to the local community and surrounding towns diminishing the need to illegally harvest firewood and promoting the benefits of the REDD+ project.

The MNC is also part of a major tree planting initiative with over 1 million tree's planted in schools around Kenya.





## COMMUNITY FUND & LOCAL PARTNERSHIP

The fund will empower the community to shape their future by addressing key areas of need

Revenue from the purchase of Carbon Credits will flow into a specially created community fund.

The board of the fund is comprised of selected community elders and leaders as well as specialists in the field of community development.

The fund will empower the community to shape their future by addressing key areas of need and stimulating ecologically sustainable economic development.

So far, the Mukutan Conservancy has:

- Enabled 25,000 Kenyan children to see their first wildlife for free
- Contributed to the building of 22 class rooms, a school laboratory and buildings
- Provided 320 secondary school bursaries and 18 university bursaries
- Established the ground-breaking project spanning 4 generations documenting indigenous knowledge through schools

- Provided training for 186 teachers in Environmental Studies
- Built a Music, Sports and Arts Centre and a program of courses benefitting 63 schools
- Created local bird-watching clubs, wildlife clubs and environmental debate clubs
- Provided guttering and tanks for water harvesting systems in 6 schools
- Organised the Planting of 1 million trees in schools

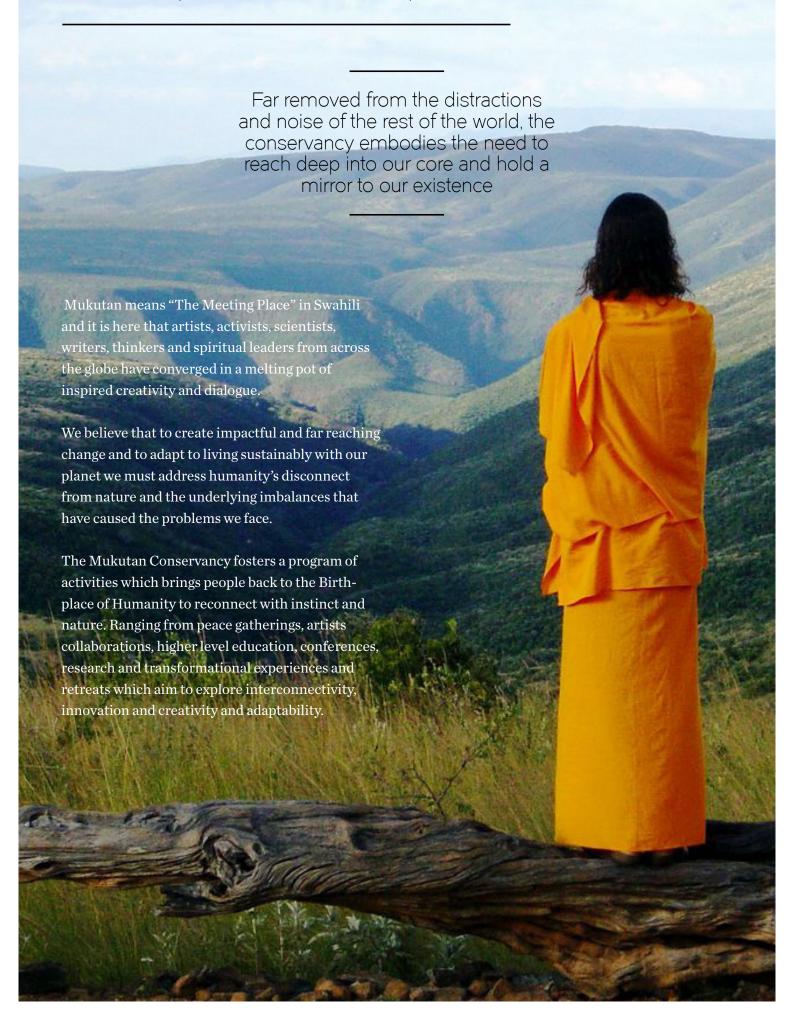








# CONSCIOUSNESS



## CREATIVITY

The process connects people to nature and to each other, unifying cultures through their creativity in a common vision inspired by nature.

The Mukutan Conservancy curates a program of artists collaborations, retreats and educational exchanges across different mediums.

It has hosted numerous festivals and gatherings where Kenyan and global artists are brought together, and intermingled with the rich traditions of the local tribes to embrace a vision, which is bigger than the parts.

The process connects people to nature and to each other, unifying cultures through their creativity in a common vision inspired by nature.

With a rich imagination, a better world can be created





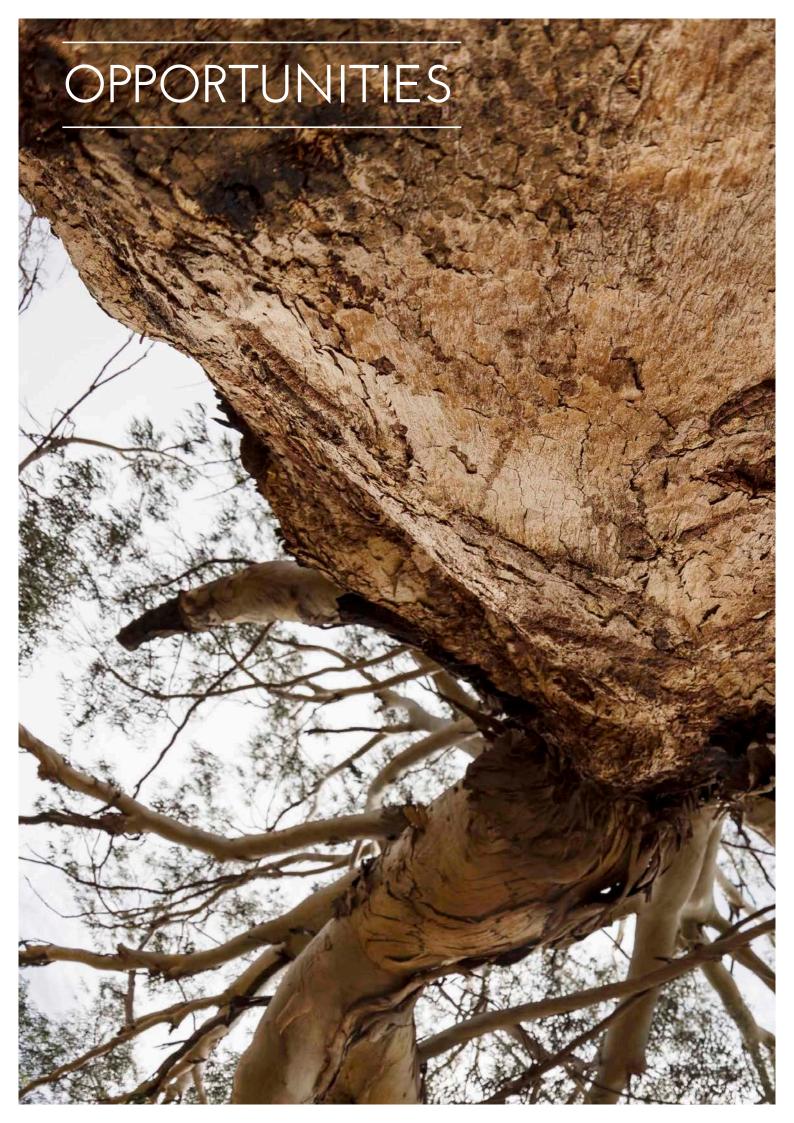














#### VOLUNTEERING

GMF offers the opportunity for corporations or individuals to participate in the numerous community initiatives carried out on the conservancy through volunteering or fundraising programs. The conservancy has a continual flow of volunteers who offer their time and expertise for the benefit of the community.

The conservancy has a continual flow of volunteers who offer their time and expertise for the benefit of the community.









#### **VISITING**

MNC offers a number of different accommodations

MNC offers a number of different accommodations perfectly designed to host management workshops and conferences or to entertain clients and investors. These include the banda's which can sleep up to 50 people in comfort, Makena Hills, which is a beautifully positioned 16 to 30 bed tented eco-lodge perched on the escarpment above Lake Baringo with absolutely breathtaking views over the Great Rift Valley, and the Mukutan Retreat, an exclusive 10 bed lodge nestled in the stunning Mukutan Gorge.





## CONTACT

For further information please contact:

#### **Phillip Stovold**

Mukutan REDD+ Global Sales & Marketing Managing Director / Kaboni UK Cell: +44 7900 364103 phillip@kaboni.org

#### **Nigel Adams**

Director of Business & Strategy Mukutan Nature Conservancy Kenya Cell: +254 718320880 UK Cell: +44 7931331227 nigel@gallmannkenya.co.ke

#### Sveva Gallmann

Director Mukutan Nature Conservancy Kenya Cell: +254 735831620 UK Cell: +44 7889 825838 sveva@gallmannkenya.co.ke "The greatest threat to our planet is the belief that someone else will save it "

Robert Swan

The Mukutan REDD+ Project :
Dedicated to the coexistence of people
and nature in Africa