

Building Community Resilience Through Wildlife Conservancies:

*The Enonkishu
Conservancy Model*



Enonkishu overview



4000 acres



Situated in the Northern Mara



41 group owned conservancy land owners



17 women landowners



All receiving lease fees



Conservation Education



700 Over six hundred educated through community outreach this year



3 schools engaged

- Wildlife coexistence
- Agroforestry
- Holistic grazing management



Livestock management

Herds for Growth



Genetic improvement of community's local breeds (Boran X zebu)



Steer finishing to generate extra income for landowners



50% livestock sale proceeds trickle back to land owners



Left: 6 months old male Boran cross, still suckling

Right: 1 yr. old male Zebu, weaned



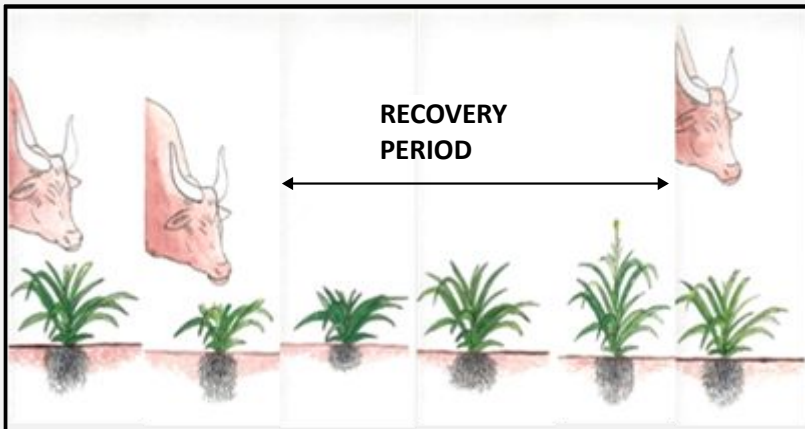
Hollistic Grazing Management plans

Wet season GP

- Speed of grazing movements match the growth of pastures
- Grazing days based on recovery periods(40-90 day)
- Aim is to allow full recovery of pastures for more yields
- 50% of pastures allocated to livestock 30% wildlife and 20% left for cover

Dry season Grazing plans

- Grazing is based on available pastures and current animal units equivalent(wildlife & livestock)
- Grazing days are based on the anticipated length of the dry season
- Aim for dry season grazing is to prepare pasture lands for the forthcoming wet season, through optimum animal impact and uniform grazing
- Livestock as tractors!(dung and hoof action)



It's all about the roots!

Mobile bomas

Bare grounds/capped soils



Hoof action,
Dung and
urination.

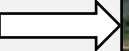


Dung, urine
deposited and
pasture reseeded



5 months later, hotspots of nutrient-rich glades are created which attract wildlife

The ripple effect



A. Regenerative grazing & livestock improvement



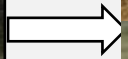
B. Effects on grass cover

- Quantity and quality of grass
- Soil compatibility
- Vegetation species diversity



C. Effects on wildlife densities

- Species diversity
- Species abundance



D. Increased revenue from tourism enterprises

Livestock predation mitigation measures



8 Employed as night guards and livestock herders

- All are equipped with raincoats and night flashlights
- Predator proof boma
- Predator deterrent lights are fixed on each livestock boma

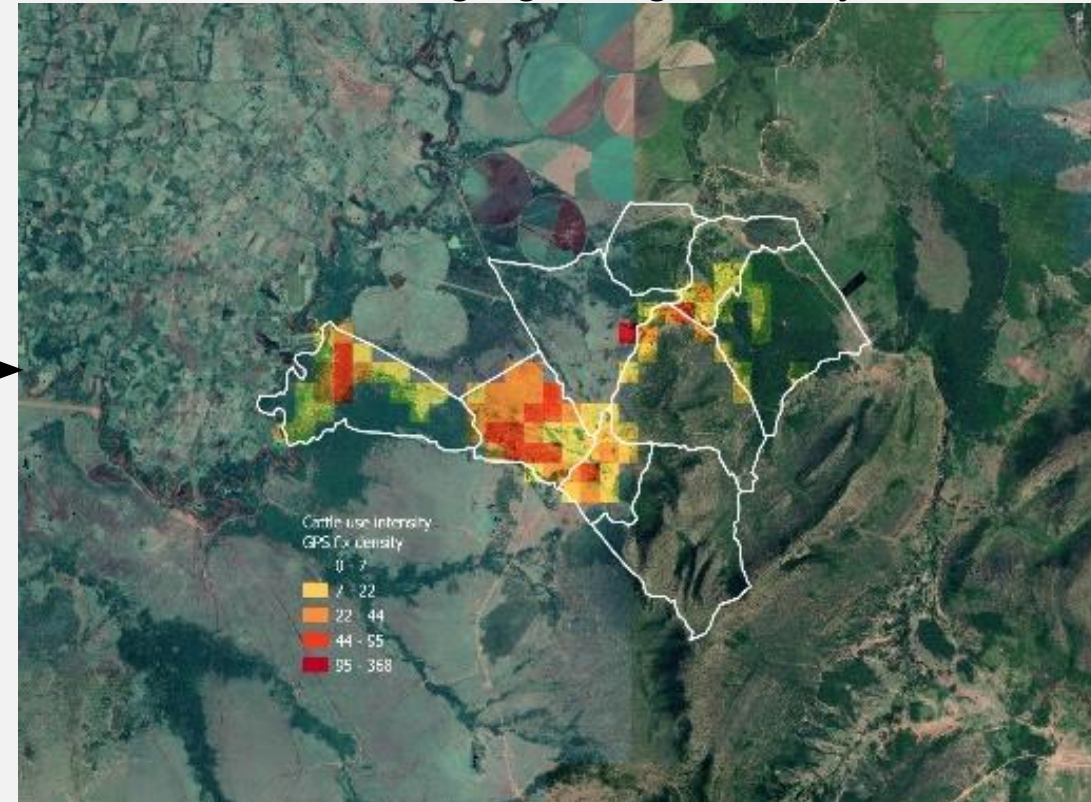
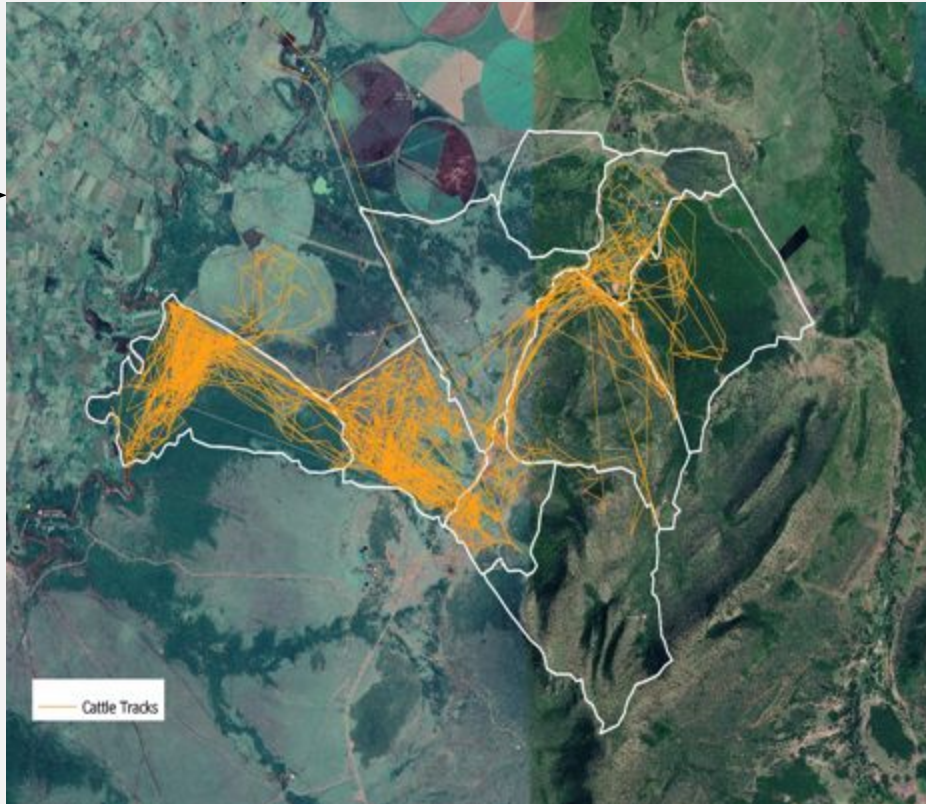


Fine tuning our grazing through livestock Monitoring!

GPS trackers
deployed to
each herd

Livestock grazing tracks for
grazing patterns

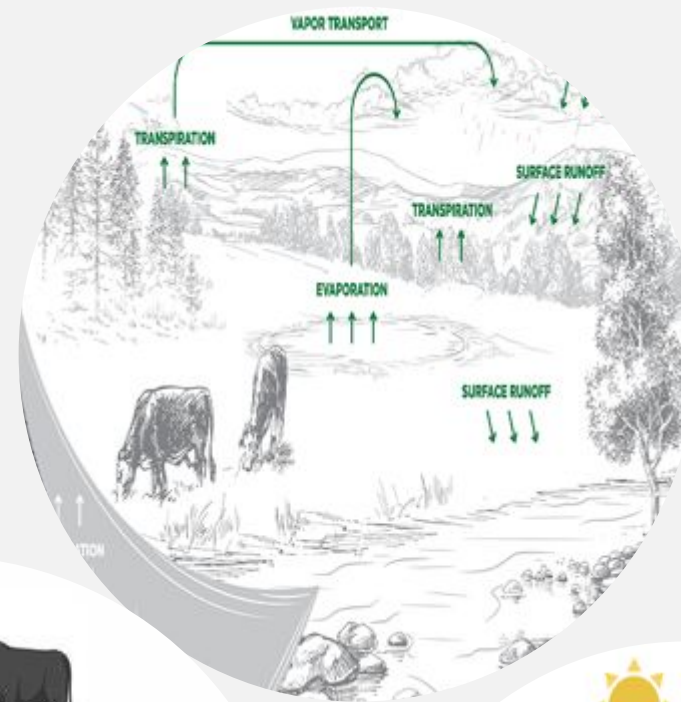
Range utilization as grazing intensity
heat maps
Darker red-high grazing intensity



Building Ecosystem Resilience

with Monitoring

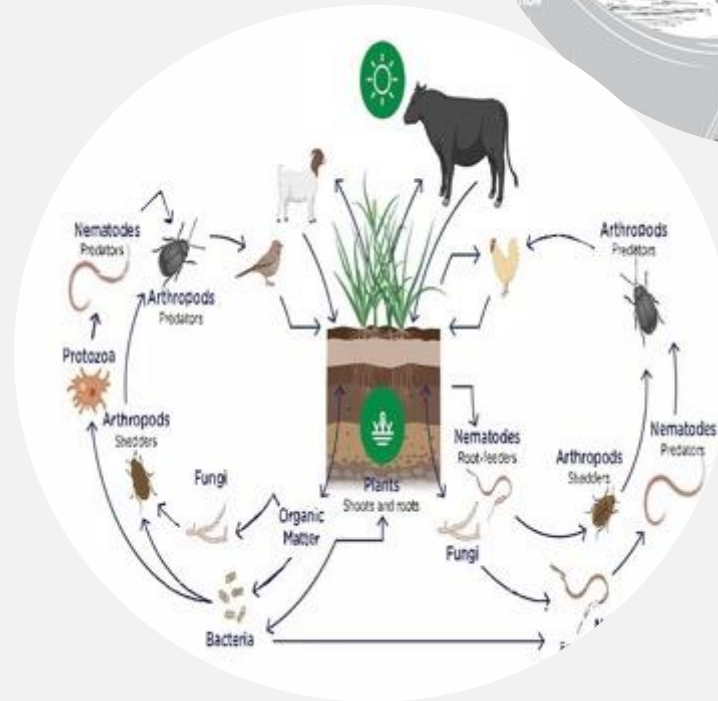
Range health indicators monitored based on 4 ecosystem processes



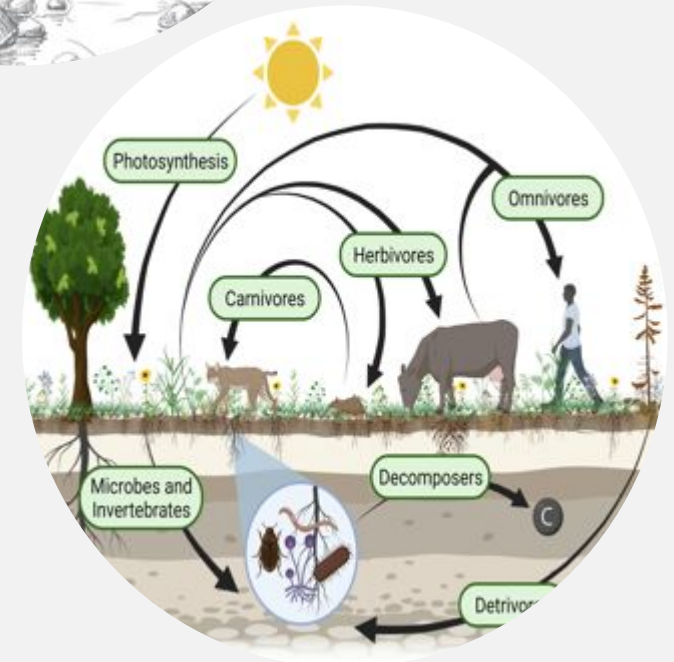
Water cycle



Community dynamics



Nutrient cycle



Energy cycle

Tools for monitoring



Pasture disk meter



Penetrometer



Tape measure



Grass clippers

2017

2019

2020

2022



Time series photos of same place,
time (month) but different years .

Regeneration of pastures has
been achieved through **holistic
planned grazing**

