



## INTRODUCTION

Sustainable land management practices are essential for the conservation and optimization of land resources, ensuring that the land continues to provide essential services such as food, water, and livelihoods for current and future generations. In Kajiado and Narok Counties, sustainable land use practices play a pivotal role, given the complex interplay of wildlife, livestock farming and agricultural activities. The land use status in these Counties is deeply influenced by traditional pastoralism, agriculture, wildlife conservation, and increasingly, land-based commercial ventures such as mining, quarrying and sand harvesting. With population growth and climate change intensifying pressures on the land, sustainable practices are becoming more critical to address the challenges and ensure long-term environmental health.

## Challenges to Land use Practices in Kajiado and Narok Counties.

1. Overgrazing
2. Soil Erosion and siltation
3. Use of Agrochemicals
4. Human & Wildlife conflicts
5. Mining, Quarrying and sand harvesting.

## Proposed solutions and community Interventions.

1. Control of Invasive Species (*Ipomoea purpurea*): To mitigate the impact of this invasive species, community-led initiatives such as manual removal, controlled burning, and use of native plants for restoration have proven to be effective.
2. Briquettes making: This practice helps reduce reliance on firewood, which contributes to deforestation, and also provides a source of income for local communities by converting waste into a valuable resource.
3. Establishment of Tree Nurseries: Tree nurseries not only provide a source of income for the community but also facilitate large-scale reforestation efforts to restore degraded lands.
4. Soil Erosion Prevention and Flood Control: Techniques such as contour plowing, terracing, and planting grass cover have been employed to reduce erosion.
5. Reforestation and Grass Reseeding: Grass reseedling in particular can help restore native pasturelands, which benefits both wildlife and live-

## Benefits of Sustainable Land Use Practices

- Promoting sustainable livestock management by reducing overgrazing ensures pastoral lands remains healthy and productive for longer periods.
- Sustainable agriculture and agroforestry enhances food security by diversifying income sources and ensuring land remains productive for future generations.
- Community-based resource management creates stronger social ties and empowers local communities to take ownership of their environment, enhancing sustainability.
- Soil conservation methods help prevent erosion, which leads to improved land fertility and agricultural productivity.
- Use of Indigenous Knowledge: leveraging local knowledge and integrating sustainable practices, both counties can ensure that their land resources continue to benefit future generations while promoting environmental conservation and socio-economic development.
- Reforestation and tree growing help mitigate climate change by storing carbon, while improving water
- Beekeeping is an important source of income for the





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Sustainable Land  
Management Practice in  
Kajiado and Narok  
Counties



GEF 7 project on strengthening Forest Management for Improved Biodiversity Conservation and Climate Resilience in the Southern Rangelands of Kenya

