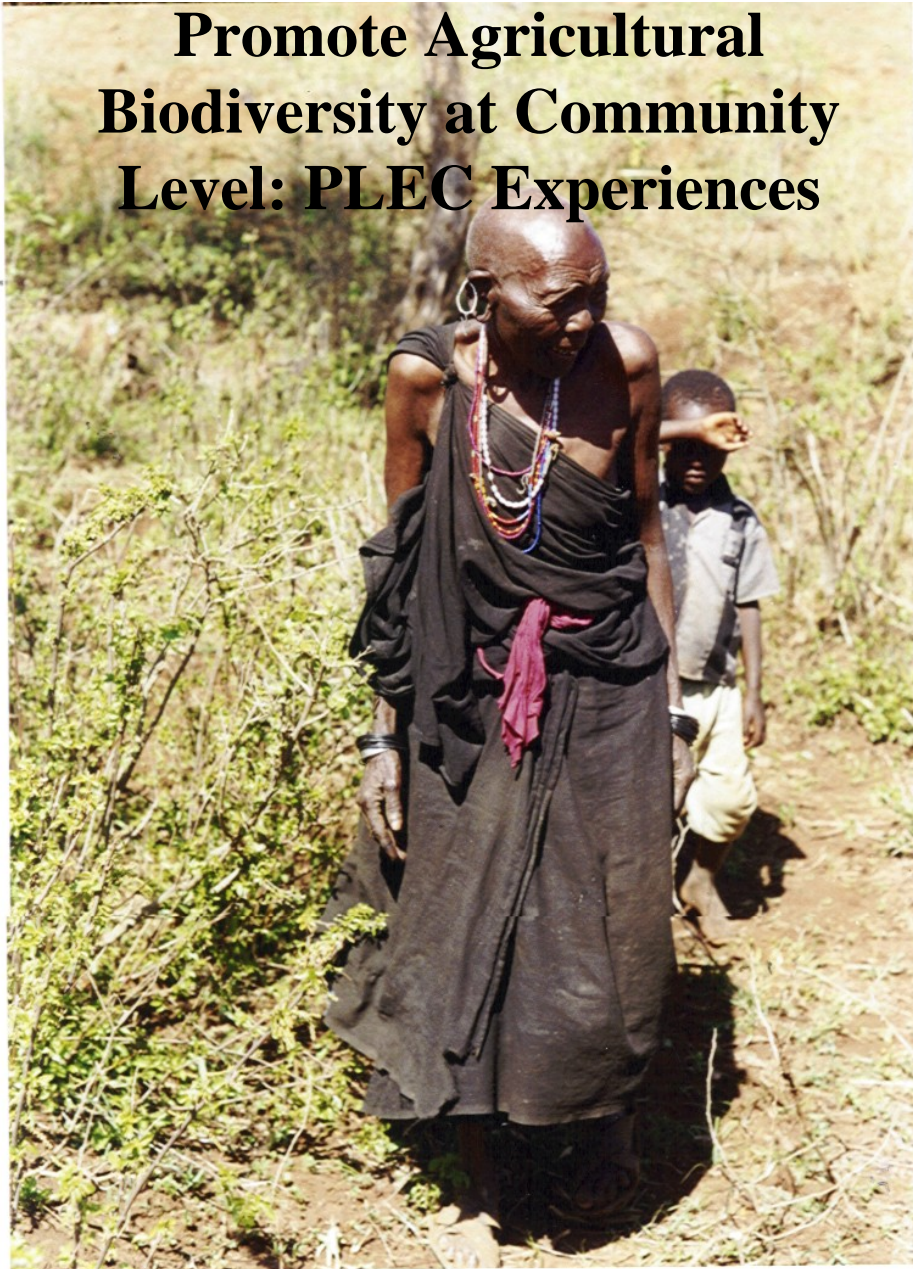


Practices to Enhance and Promote Agricultural Biodiversity at Community Level: PLEC Experiences





Diversity of
crops and
varieties at
community level:



Diversity at farm
level in terms of
Agrobiodiversity
and management
diversity



300 plant species,
multitude of soil flora and
fauna, 10 pollinators, by-
laws, ecosystem
conservation including
livestock, soil conservation
and storage.



Timing for
identification of
farm biodiversity



Introducing new species



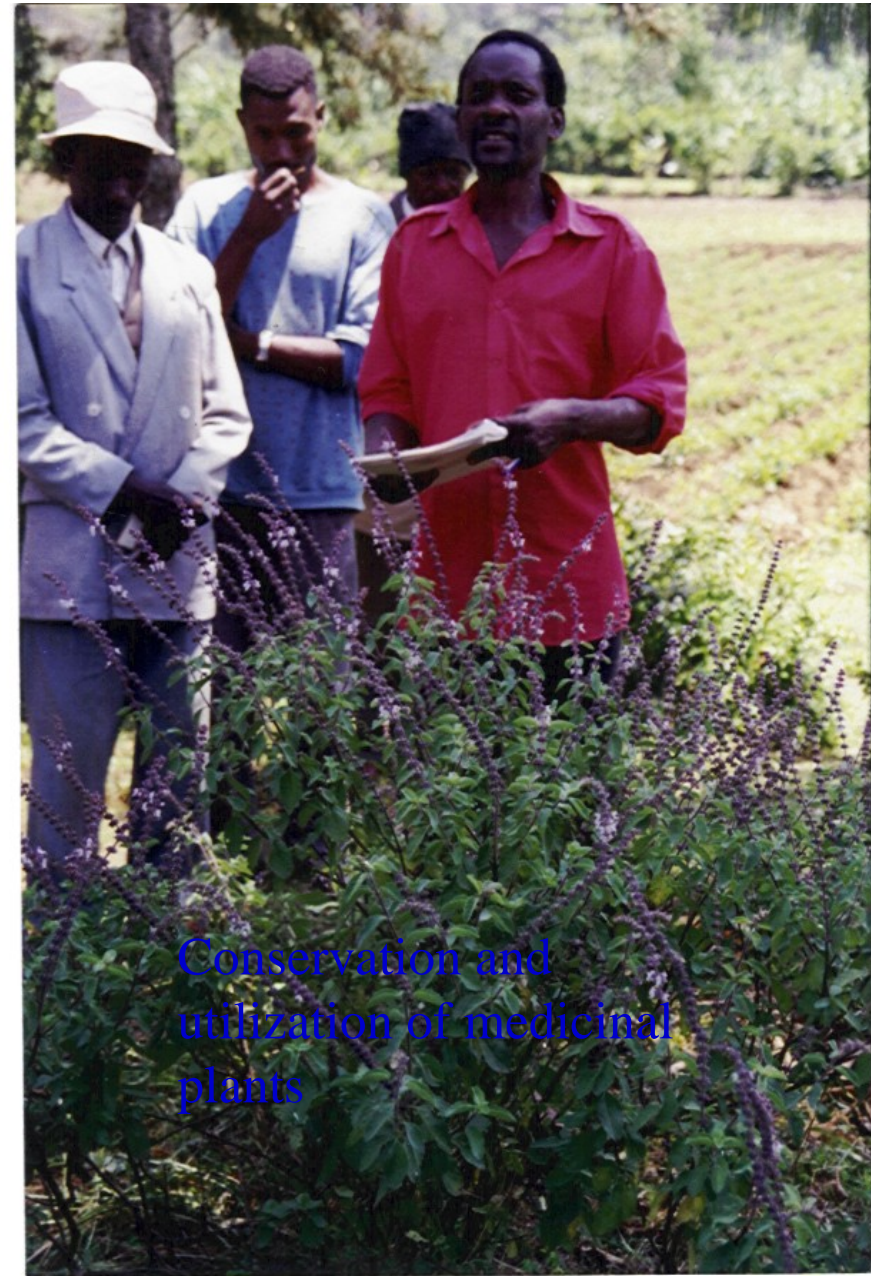
Recovering disappearing indigenous biodiversity



Nurseries for disappearing biodiversity



Crop management by the
land poor



Conservation and
utilization of medicinal
plants



Sourcing technologies all round

Species richness and utility indices for three management systems of a coffee/banana/maize/beans agroforestry system

| High level | Soil management level | SR | UI |
|------------|-----------------------------------|----|----|
| Rich 1 | High level inputs and deposition | 15 | 60 |
| Rich 2 | High level inputs non depositions | 09 | 78 |
| Average | Average level of inputs | 12 | 67 |
| Poor 1 | Low level of inputs | 20 | 55 |
| Poor 2 | Low level of inputs | 17 | 59 |

SR = Species richness, UI = Utility Index

Soil management strategies to enhance soil quality

| Management objective | Cropping system | Management strategies |
|----------------------------|---|---|
| Soil fertility improvement | Coffee/banana/maize/beans/in rotation with round potatoes | Appl of fym, incorp of crop residues, house refuse & weeds, sesbania, grevillea & composting. |
| | Maize/beans | Applic of fym, crop residues & trash lines |
| Soil moisture cons. | Coffee/banana/maize/beans/in rotation with round potatoes | Crop residues, mulching, trash lines, seteria, canopy cover. |
| | Maize/beans | Self mulching, spreading /incorporation of crop residues, trash lines. |
| Soil erosion control | Coffee/banana/maize/beans/in rotation with round potatoes | Rainfall interception by trees canopy, mulching, trashlines, flower hedges, sesbania sesban. |
| | Maize/beans | Trashlines, crop canopy. |



Managing plough pan soils in semi-arid ecosystems



Indigenous chicken as women's cattle



Selecting from many options of livestock diversity



Attempting
manageable
situations

Chicken and agroforestry
became main agricultural
enterprises for women
especially the widows



Transferring
knowledge &
technology to youths

Agroforestry in semi-arid
environments e.g.Mangoes:

Dodo, Mviringo, Saforoni,
Boribo, Achari. In one farm.

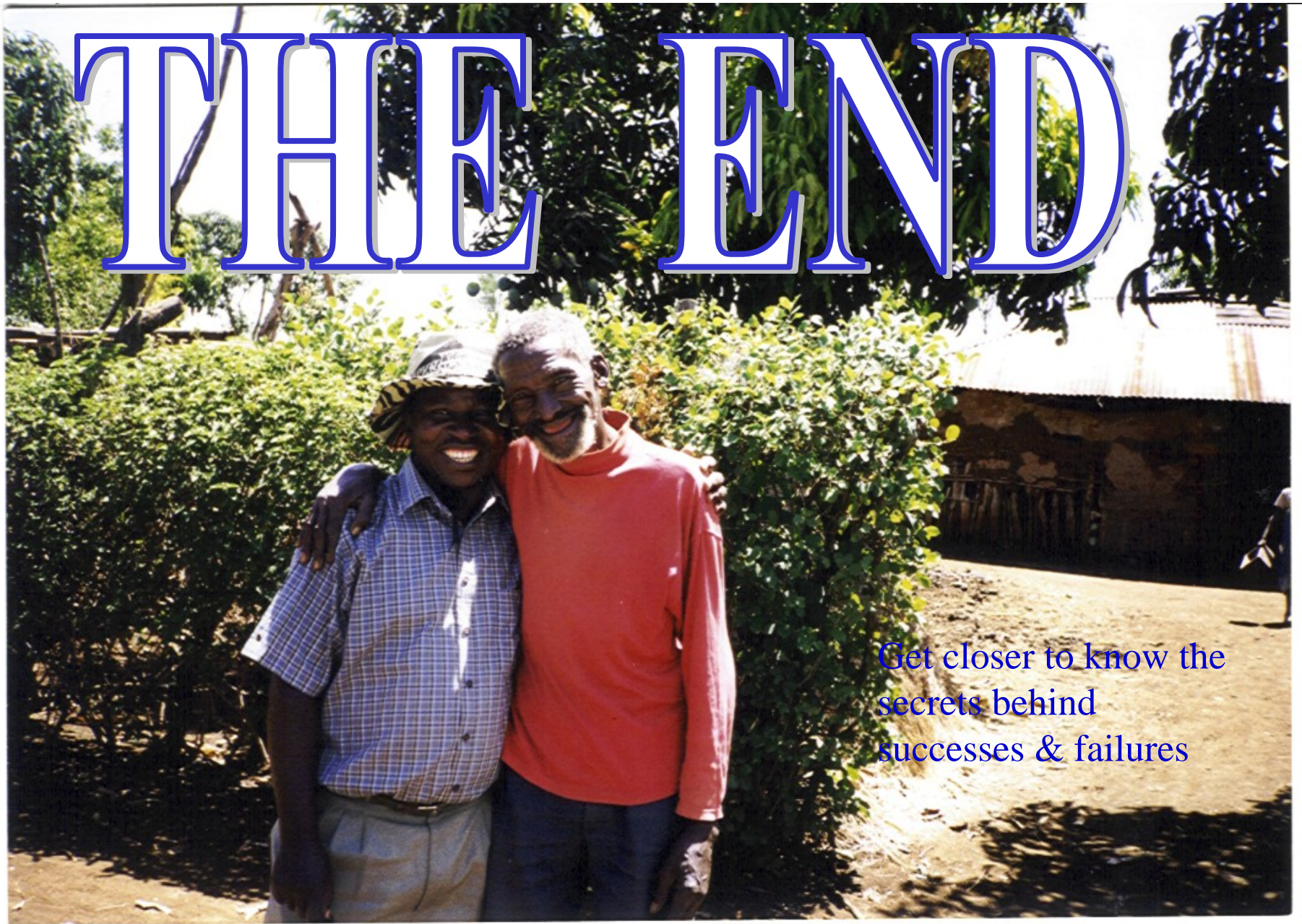


Ownership and management of forests



Enjoying the fruits
of biodiversity
conservation

THE END



Get closer to know the
secrets behind
successes & failures