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german cooperation DEUTSCHE ZUSAMMENARBEIT

Implemented by: giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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World Agroforestry Centre

In cooperation with:

Engaging refugees and host communities in Agroforestry in Uganda

ICRAF Uganda

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Focus of ICRAF/GIZ interventions in Arua

1. Assessments
   - Household survey (280 HHs)
   - Biomass survey (on-farms and off-farms)
   - Soil survey
2. Enabling tree growing and management
   - Community AF Learning Centre
   - Training guides
   - Extension support
   - Communication materials
3. Supporting Refuges and hosts environmental restoration- tree growing
   - Mobilization and sensitization
   - Training & demonstrations
   - Guided planting & documentation
4. Sustainability –collaboration and capacity building

Recommended tree growing options for refugees and host communities

REFUGEES	
Category/Tree Planting Option	Rank
Boundary planting	1
Homestead/compound	2
Scattered in farm plot	3
Institutions (schools, health units, common spaces)	4
Degraded lands in settlement	5

Host community	
Category/Tree Planting Option	Rank
Woodlot (1 – 5 acres)	1
Boundary planting	2
Fruit orchards	3
Scattered on farm	4
Homestead/ compound	5
Degraded farms and community lands	6

Tree species being tested in Imvepi and Rhino Camp Settlements

	Species	Remarks
1	***Azedarachta indica***	Resistant to termites
2	***Moringa oleifera***	Vegetable and medicinal fast-growing tree
3	***Albizia gumifera***	Indigenous and fast growing
4	***Albizia zygia***	Indigenous and fast growing
5	***Calliandra calothyrsus***	Fast growing and for fodder and firewood
6	***Leucaena leucocephala***	Fast growing and for fodder and firewood
7	***Khaya grandifoliola***	Indigenous high-grade timber
8	***Khaya senegalensis***	Indigenous high-grade timber
9	***Afzelia africana***	Threatened indigenous species with high class timber
10	***Tamarindus indica***	Valuable fruit tree
11	***Terminalia superba***	Fast growing for shade and timber
12	***Combretum collinum***	Slow growing indigenous species, good for firewood.
13	***Senna siamea***	Well adapted to dry sites and highly termite resistant
14	***Balanites aegyptiaca***	Indigenous fruit trees (Desert date)
15	***Melia azedarach***	Fast growing, resistant to termites
16	***Melia volkensii***	Fast growing dryland tree
17	***Artocarpus heterophyllus***	Valuable fruit tree
18	***Gmelina arborea***	Fast growing timber and pole species
19	***Carica papaya***	Valuable fruit tree
20	***Vitex doniana***	Indigenous fruit tree – fast growing
21	***Bamboo***	Fast growing and suitable for river bank stabilization, fire wood, charcoal and provision of building poles.
22	***Mangifera indica***	Valuable fruit
23	***Tectona grandis***	Suitable for the study sites and resistant to termites

Supporting tree growing – Community Agroforestry Learning Center

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Learning center

- Provides support to other partners
- Hosting training/learning events
- Provide technical support/consultation
- Tree seed collection, processing and storage
- Repository for information – translate into key languages
- Provision of information and communication materials
- Support coordination of activities



Three months after planting



Conclusion

- Environment where refugees live is getting severely degraded and needs dedicated restoration innovations
- Agroforestry has a huge potential for restoring lives and landscapes in refugee and host community settings
- There is space for trees in refugee settlements
- Host communities, need to be supported to invest in tree growing to provide tree products for emerging markets in their vicinity
- We need to build alliances and mobilize resources to make a big contribution

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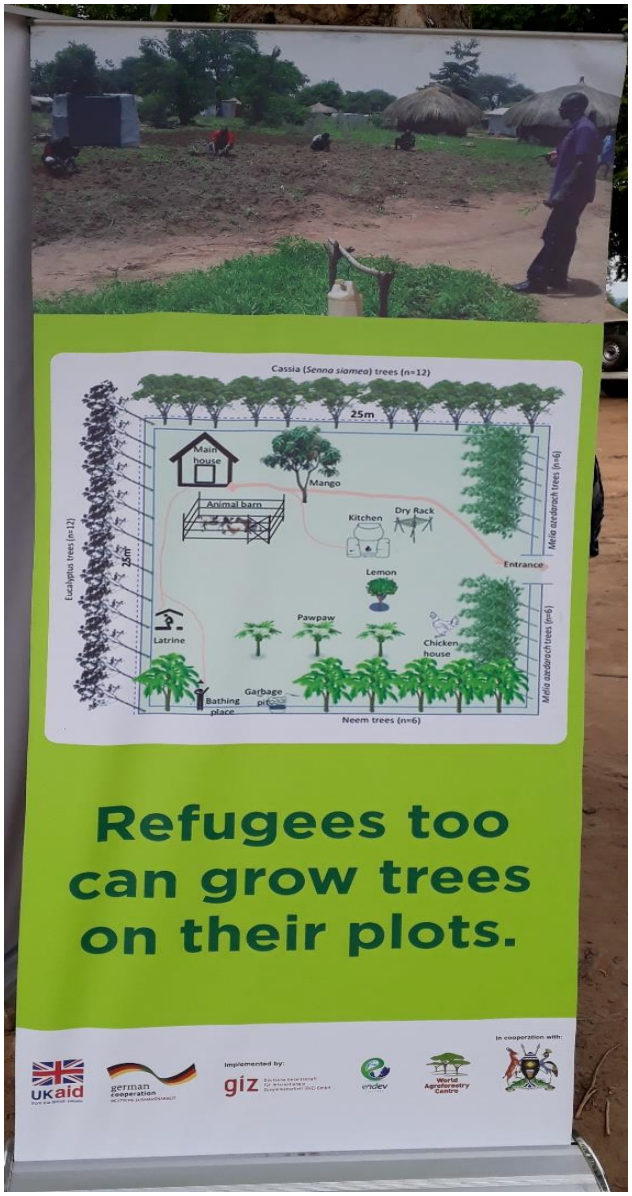
Follow up Intervention

1. Improve attitudes towards tree growing and environmental management among refugee and host communities.
2. Support integration of tree growing and environmental management into implementing partners' operations.
3. Promote tree-based market enterprises among refugees and host communities targeting women and youth.
4. Promote technology-based tree-growing and environmental extension services.
5. Enhance the services at the learning centre to serve as a one-stop point for tree growing and environment mgt
6. Engage schools in agroforestry through training and tree planting.

Partners

- ICRAF
- Mercy Corps
- Wild Vision
- Rice West Nile
- Arua District Local Government
- UNHCR and OPM
- Other implementing partners



Outputs/Deliverables

1. A more equipped Agroforestry Innovation and Learning Centre.
2. A business model for operationalizing wider use of the Agroforestry Innovation and Learning Centre
3. At least 300 partners and lead beneficiaries trained, and awareness created among 2,500 people
4. Over 200,000 selected tree seedlings produced and planted with refugees and hosts
5. At least 30 woodlots, 50 fruit orchards and 100 other agroforestry demos established.
6. Tree planting designs and options for refugee and host communities validated and recommended for use by partners.
7. Previous tree planting mapped, and survival and growth assessed
8. At least 100 youth and women trained in tree-based market enterprises
9. Pupils and teachers from at least 10 schools trained in agroforestry and supported to plant trees

Thank you

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