



# EcoMakala

*Enabling sustainable wood energy provision to the rural communities living in the surroundings of the city of Goma and the Virunga NP*

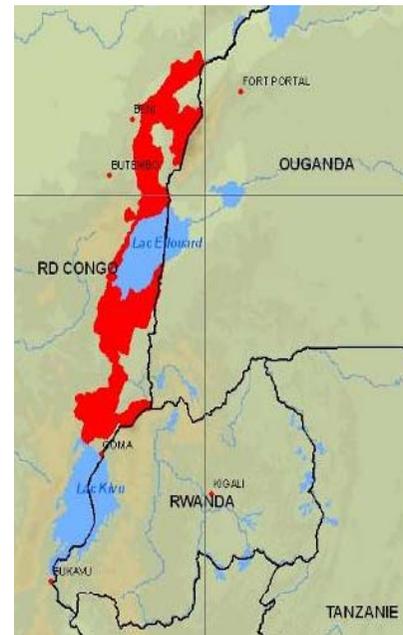
Mone Van Geit (WWF-Be)

ACP-EU Energy Facility Seminar 27th of April 2012

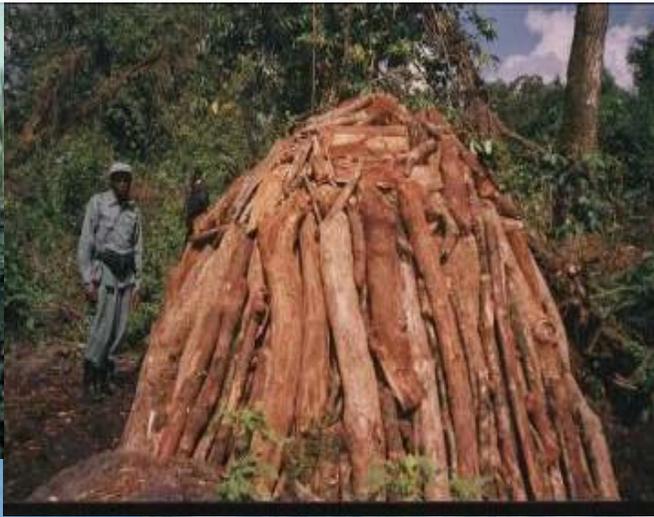




# Context











# EcoMakala Project



- Large scale reforestation around the ViNP
- Exploitable plantations on small holder grounds (on av 1ha)
- Sustainable energy wood provision
- Model for replication of private reforestation activities
- Carbon knowledge project





# Specific objectives



- **Providing an alternative** for the illegal logging of the ViNP's forest resources through **reforestation activities** outside the park
  - **Capacity building** of local actors active in the domain of reforestation & carbonization
  - Structuring/regrouping the farmer-planters in order to assist them with the **commercialization**
- => Enabling environment for energy wood sector**





# Beneficiaries



- **Small holders**  
(farmer-planters)
- **Local farmers'**  
**associations**
- **Local**  
**communities**  
(consumers of makala)





# Chosen technology

## Types

- **Reforestation** (on marginalized or secondary agricultural lands)
- **Improved carbonization** (wood>>charcoal)



## Resources

- Qualitative **seeds** (Rwanda, Burundi, locally); seedling **bags** (Kenya); **labor** (tree nursery, plantation, charcoal production)





# Chosen technology

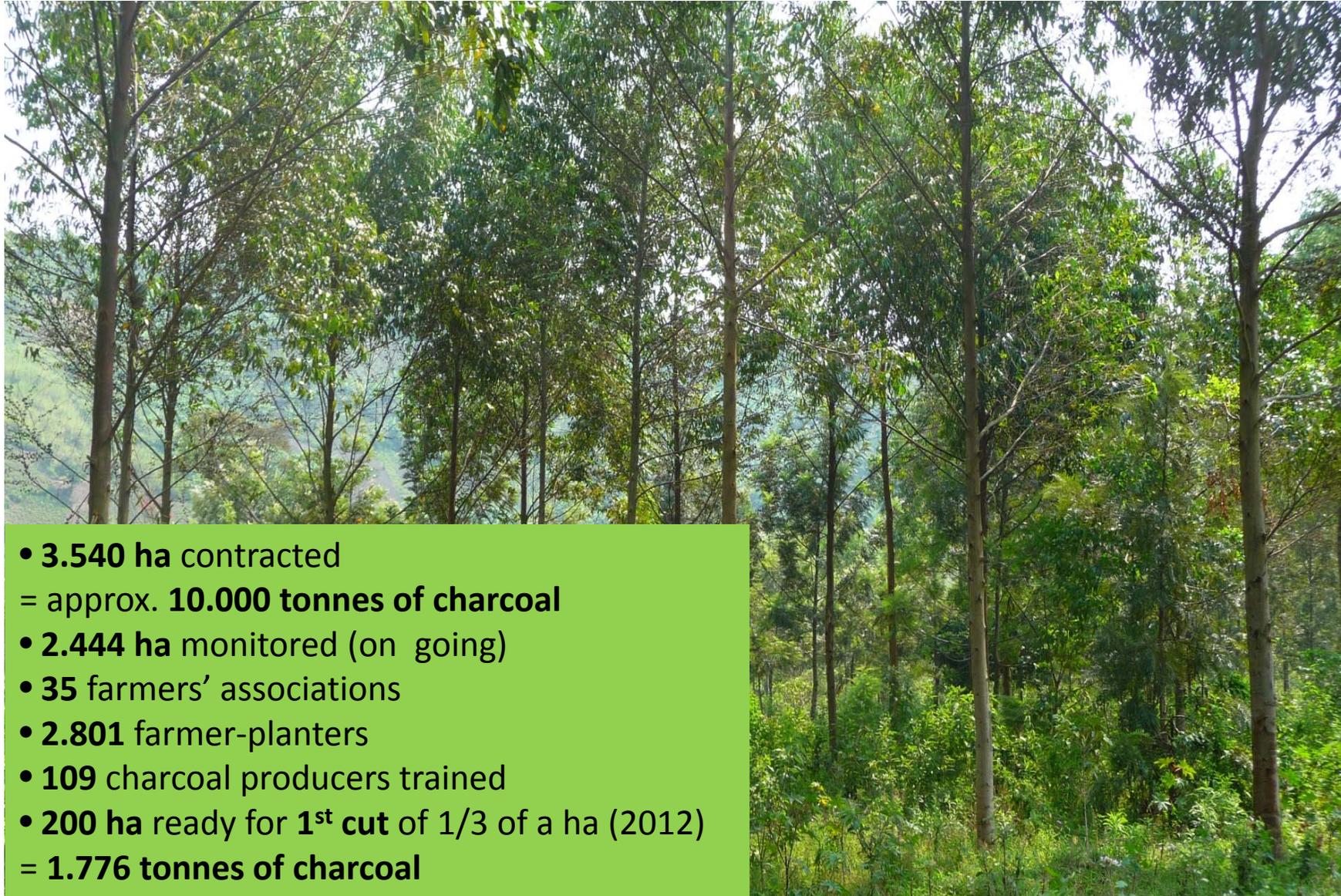
## Costs (per ha)

- **Famers** (subvention): 100\$  
(rem.: own contribution approx. 150\$)  
>> preparation, installation & maintenance of plantation
- **Farmers' associations:** 150\$  
>> set-up tree nursery, seedling production, transport of seedlings to the fields; coaching & monitoring planters
- **WWF:**  
>> seeds and seedling bags (80\$), training & monitoring (150\$), management & general costs (120\$)  
=> **Total cost of 600\$/ha**





# Implementation to date



- **3.540 ha** contracted  
= approx. **10.000 tonnes of charcoal**
- **2.444 ha** monitored (on going)
- **35** farmers' associations
- **2.801** farmer-planters
- **109** charcoal producers trained
- **200 ha** ready for **1<sup>st</sup> cut** of 1/3 of a ha (2012)  
= **1.776 tonnes of charcoal**





# Sustainability

- Permanent **forest stock** (re-generating species)
- **Revolving fund**  
Planters >> Associations: 20% of 1st cutting cycle  
Re-investment in new reforestation contracts
- **Carbon finance mechanisms** (A/R CDM & REDD)
- Significant **replication's effect**





# Sustainability: challenges

- **Organization/structurization of the farmer-planters** (commercialization of the charcoal)
- Complexity of **carbon finance mechanisms**





# Lessons learned

- Main focus on small holders = the way to continue (but not the most easiest way)
- Lower first contract objectives per association
- Strength of associations as a crucial factor





# Successes

## *Planters' gatherings*





# Successes

## *EcoMakala+: REDD pilot project*

Reforestation  
EcoMakala  
WWF



Land tenure  
UN HABITAT



Efficient wood stoves  
WWF



Law enforcement  
ICCN





# Aksanti!

