



CASCADe Africa

Carbon Finance for Agriculture, Silviculture,
Conservation and Action against Deforestation



AFRICA CARBON FORUM

Nairobi, 3-5 March 2010

Training session 4

CDM potential of agriculture in Africa





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Training session 4

Speakers :

- Marc André MARR (Perspectives, Hamburg)
- Michael POLLAC (Natixis Env. & infrastructure, Paris)

Moderator :

- Faouzi SENHAJI (Unep Risoe Centre, Denmark)



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Agriculture in Africa, some features

- 850-900 M ha arable land
- 80%+ of this land suffer from deficiencies
 - 10 kg of fertilizers per ha (200 in developed world)
- 7% of irrigated land
- cereal production : - 200 kg/ca/year (minimum is 300)



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- the per capita food production has declined
- farm productivity is 25% of global average
- agriculture expansion: main driver for deforestation

- Smallholder producers is the largest group of farmers
- Small farmers : the poorest segment of the population

- + 200 M people chronically hungry
- + 30 M children under age 5 are malnourished
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⇒ Need for urgent focus on
raising agricultural productivity

Need for Investment to :

- improve soil & water management
- develop adaptable new crop varieties
- improve access to seeds, fertilizers & energy
- reduce post harvest losses
- improve rural infrastructure (roads, communication,...)
- implement appropriate R&D programmes
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- food production & food security in Africa are threatened by the negative impacts of CC
- Agriculture sector in Africa has to meet challenges
 - feed an increasing population
 - adapt to CC & mitigate GHG emissions
 - sequester C in soil & biomass
 - use renewable NR in a sustainable manner
 - ensure productive employment in rural areas



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Questions :

- can Carbon market contribute to
 - reduce hunger & vulnerability to CC impacts
 - improve the livelihoods of people in rural areas ?
- what are the critical issues that hinder CDM projects in agriculture sector ?
- how to overcome the obstacles ?