



# ECONOMIC VALUATION OF AGRO-BIODIVERSITY IN CRITICAL HOTSPOTS IN PRODUCTIVE LANDSCAPES IN UGANDA

Proposed integrated response and action plan to the IA of the Potential Impacts of the EU-ACP EPA on Uganda's Biodiversity

*Geneva, 18-20 March 2009*

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## Why valuation of agro-biodiversity?

1. Integrated assessment report which identified valuation of biodiversity as one of the key areas that needs to be addressed by GoU
2. The National Biodiversity and Action (NBSAP) has identified inadequate information and lack of understanding of the true of agro-biodiversity and has recommended:
  - (a) Promotion of research and valuation of agro-biodiversity
  - (b) Documentation of traditional management practices; and
  - (c) Inventory of agro-biodiversity among others



## Why valuation of agro-biodiversity continued

3. Agriculture is the backbone of Uganda's economy, employing over 80 % of the population. In 2000, Government put in place PMA as strategic framework for eradicating rural poverty. The PMA is means for implementing the PEAP-now being revised to a National Development Plan (NDP).
4. There is increasing demand for land for agriculture to meet the needs of the ever increasing population with a growth rate of about 3.4 % per annum. Loss of agro-biodiversity will increase. - deforestation, destruction of wetlands etc

## Why valuation of agro-biodiversity continued

5. Loss of habitat leads to loss of three components of agro-biodiversity - species diversity, genetic diversity and ecosystem diversity which in turn affects agriculture
6. Valuation of agro-biodiversity will contribute to the implementation of the CBD COP Programme of Work on agro-biodiversity adopted during COP5

**The overall objective** of the valuation is to carry out economic valuation of agro-biodiversity in critical hotspots in productive landscapes in Uganda



## Research hypothesis

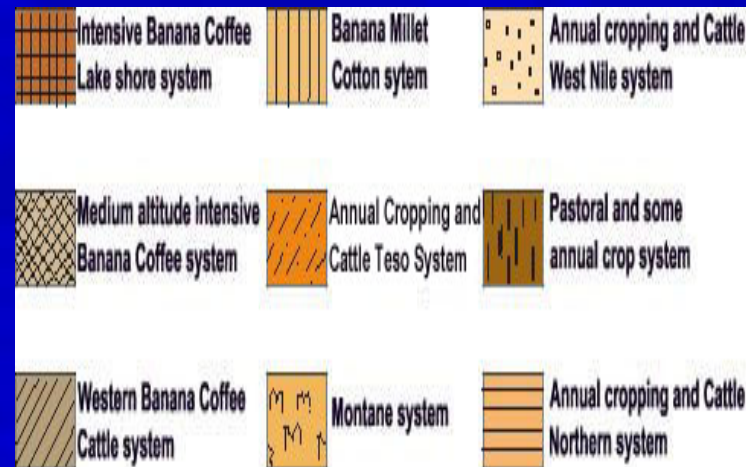
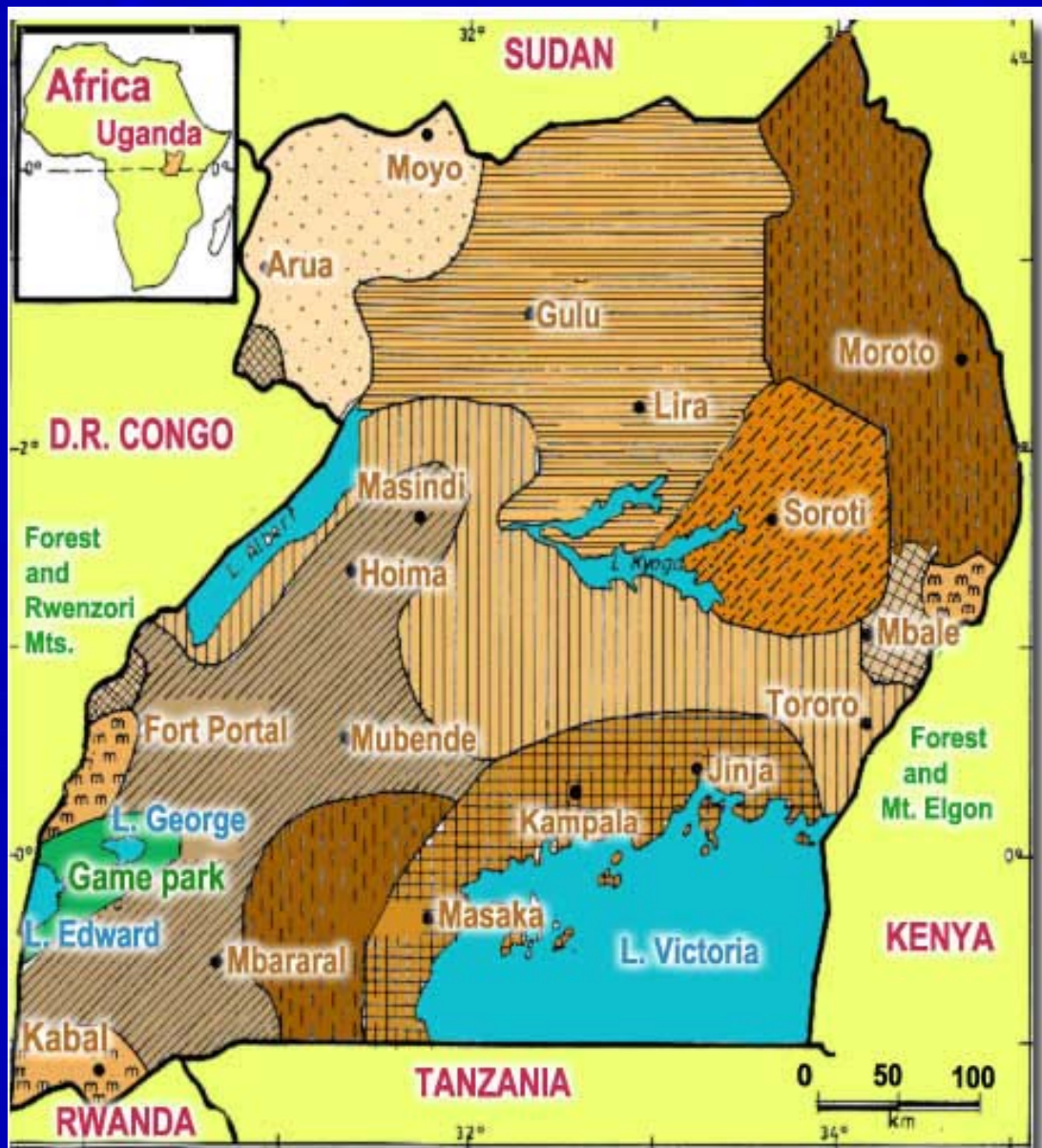
Information on the economic value of agro-biodiversity will strengthen/enhance interventions for the conservation of agro-biodiversity

## Methodology for the study

- ★ Agro-biodiversity will be assessed based on its three components: genetic diversity, species diversity and ecosystem diversity.
- ★ The study will consist of scientific assessment of agro-biodiversity for the selected 'hot spots' (**including areas where flower and horticulture**) and interviews and focus group discussions as part of the data collection.
- ★ A total economic value approach for the valuation will be used
- ★ The study will be conducted in Uganda's seven farming systems. A district will be sampled to represent each farming system.



# Uganda's Farming systems regions





## INTEGRATED RESPONSE AND ACTION PLAN



- ★ NEMA will coordinate, monitor and supervise activities during the study on behalf of GoU.
- ★ NEMA will identify appropriate research institutions/experts to undertake the study on its behalf and will work with the relevant government ministries, research institutions, private sector, NGOs and CBOs in executing the activities.
- ★ A committee (comprising stakeholders mentioned above) shall be constituted with clear terms of reference and shall meet regularly to give technical guidance to ensure that the study achieves its objectives.



# INTEGRATED RESPONSE AND ACTION PLAN



- **Expected outputs**

- ★ A report -status, trends and threats to agro-biodiversity including information on the contribution of agriculture to rate of biodiversity loss in Uganda
- ★ Report - socio-economic, traditional and cultural practices on the conservation of agro-biodiversity
- ★ A report-valuation of agro-biodiversity in Uganda

- **Expected outcomes**

- ★ Capacity for valuing agro-biodiversity built
- ★ Contribution to implementation of CBD Programme of Work on Agro-biodiversity
- ★ Programmes and plans on agro-biodiversity in place and being implemented
- ★ Rate of loss of agro-biodiversity is reducing -better understanding of the economic value of agro-biodiversity



# INTEGRATED RESPONSE AND ACTION PLAN



Activities	Quarters							
	Year 1				Year 2			
	1	2	3	4	1	2	3	4
Identification of team	■							
Field reconnaissance	■							
Field data collection		■	■	■				
Data collation and cleaning				■	■			
Data analysis					■	■		
Writing agro-biodiversity reports						■	■	
Writing agro-biodiversity valuation report							■	■

**Estimated total cost -USD 686,000. No funding has yet been secured. UNEP expected to help in resource mobilization.**