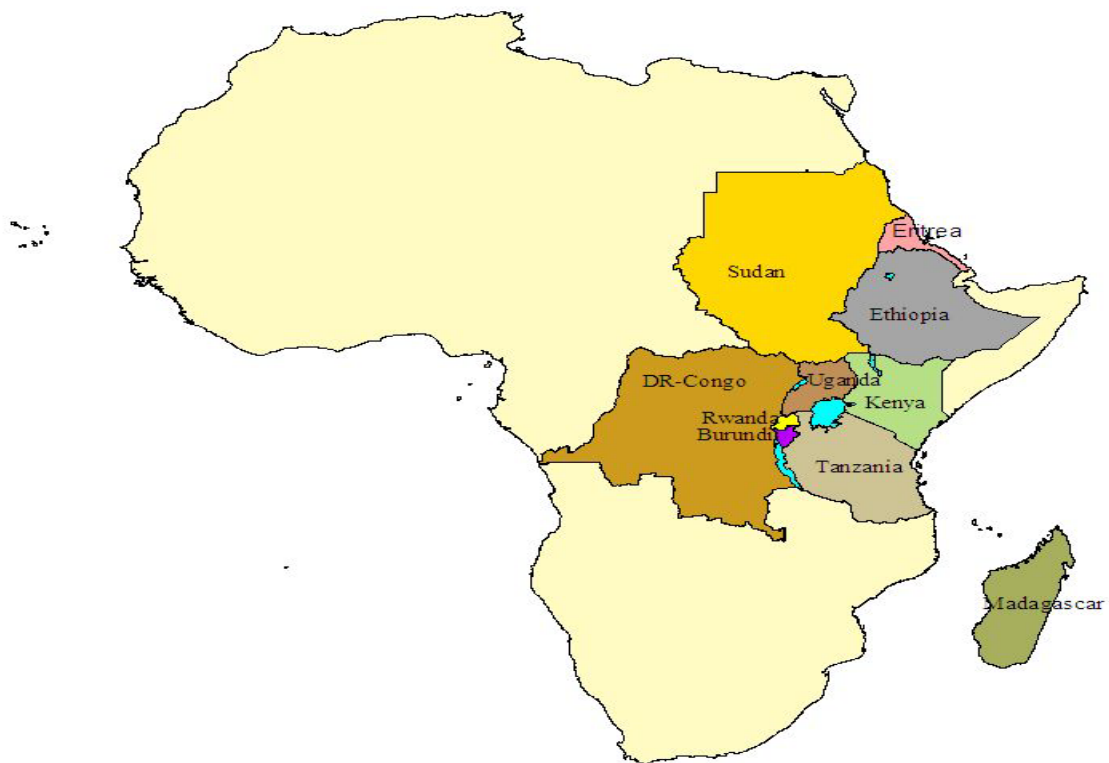




*Responding to Immediate Needs and Building a Foundation  
for  
Long-Term Agricultural Growth and Poverty Reduction*

Seyfu Ketema –Executive Director ASARECA  
**SOUTHERN SUDAN AGRICULTURE CONSULTATIVE CONFERENCE**  
Windsor Hotel and Country Club; Nairobi, Kenya  
August 24-25, 2010



# *Mission*

- *Enhance regional collective action in agricultural research for development, extension and agricultural training and education to promote economic growth, fight poverty, eradicate hunger and enhance sustainable use of resources in Eastern and Central Africa.*

# Farmer empowerment for innovation in smallholder agriculture

- Enterprises for the value chain innovation selected
  - Rice
  - Potatoes
  - Maize
  - Bananas
- Training on organizational self assessment tool





# Enhancing utilisation of quality seed potato by small-scale farmers

The positive selection and crop rotation technologies for management of bacterial wilt is being tested

Information materials developed on clean potato seed production and the management of bacterial wilt.





# Quality Protein Maize Agro-Enterprises for Improved Household Income

**Value chain analysis  
undertaken for QPM**

**Innovation Platforms for  
Technology Adoption  
(IPTAs) are formed**

**Breeders seed of QPM  
availed to seed  
companies**

**Recipes for QPM products  
developed**



# Private Company Partnership Work Promotion



*QPM flour in  
supermarkets Tanzania*

- Tanfeed international company-training seed growers & buying seed through contractual arrangements ( Tanzania)
- Tanfeed company – contracting QPM growers (substitute fishmeal & artificial lysine with QPM in poultry feed



# Increasing sorghum utilization and marketability through food diversification

- Recipes for using sorghum flour for confectionary have been developed . Bread, biscuits, cakes, pops from sorghum
- In Tanzania these products are produced by *small scale processors as cottage industries* and marketed with premium prices in supermarkets
- In Uganda varieties are being evaluated for the brewing industry.





# Climate Change

- Africa is projected to be most affected by the negative impacts of Climate Change.
- The Intergovernmental Panel on Climate Change has projected that by 2020
  - Agricultural yields in some African Countries are likely to decline by 50%



# Protests on high food prices

- Urban poor particularly hit hard, but farmers are net food buyers



# Examples of adverse effects of climate change



# **Dissapearing snow on Mt Kilimanjaro – May 2010**



# Drought in Dodoma region - 2008

## \*Poor Animal Health



## \*Tree Felling





# Soil degradation, Kinyasungwi river, Tanzania



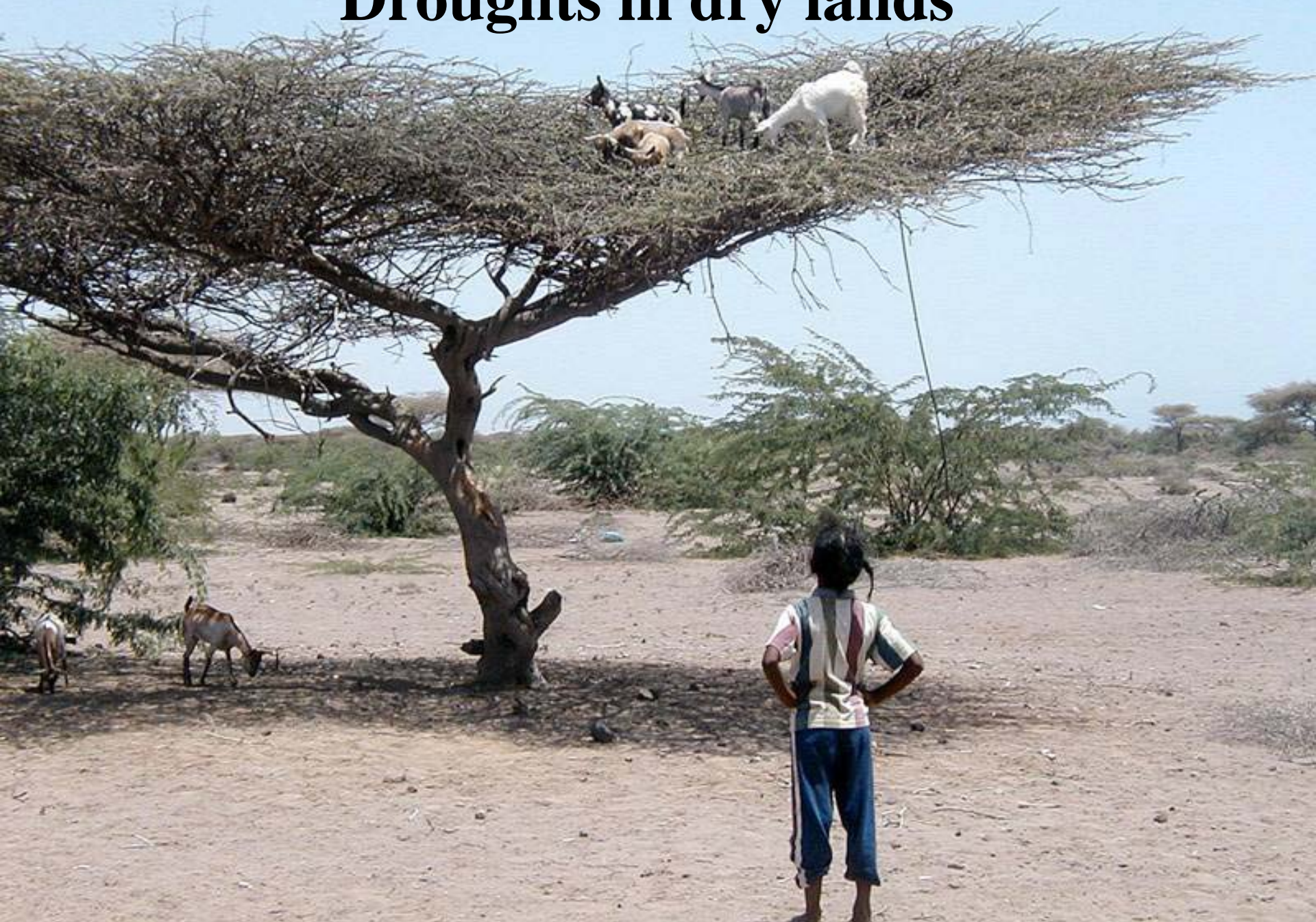


# Floods disrupt human settlements February 2010





# Droughts in dry lands





# Integrated technologies for drought mitigation and increasing smallholder sorghum productivity

Sorghum variety **WAHI** received only one shower of rain but still managed to produce big heads , at Mgori, Singida, Tanzania



Variety **Hakika** in kamoda, singida rural, Tanzania

The two varieties are some of the most drought and striga resistant varieties available.





# **The ASARECA Development Partners**

- **African Development Bank (AfDB)**
- **Department for International Development (DFID)**
- **Canadian International Development Agency (CIDA-Canada)**
- **European Union (EU)**
- **International Development Research Centre (IDRC)**
- **International Fund for Agricultural Development (IFAD)**
- **Swedish International Development Cooperation Agency (Sida-Sweden)**
- **US Agency for International Development (USAID)**



# **Southern Sudan Current Projects Implemented by ASARECA**

# Up-scaling NERICA RICE adoption in Southern Sudan





# **Up-scaling NERICA RICE adoption in Southern Sudan**

- 1. Establish innovation platforms that will promote information flow between different actors**
- 2. Establish NERICA Rice seed supply systems.**
  - **This objective will be to support commercial supply and distribution systems in which farmers are contracted to produce the seeds.**
- 3. Facilitate and promote the NERICA value chain.**

# Seed Activities in Southern Sudan



# Seed Activities on Southern Sudan

- Variety list for Southern Sudan
  - All imported from Kenya and Uganda
  - Farmers keeping own seeds in most cases
- Seed Quality Control
  - Department of Research in the Ministry of Agriculture and Forestry – Juba
- Variety Release Procedures
  - Variety release mechanism is at the formation stage
- Draft seeds Act and Policy for South Sudan is before the Minister for forwarding to Parliament of Southern Sudan



# Exploiting Market Opportunities for Value Added Dairy and Meat Products in Eastern and Central Africa Region



# **Market Opportunities for Value Added Dairy and Meat Products: objectives**

1. Facilitate the generation and uptake of demand driven dairy and meat value chain technologies and innovations
2. Promote enabling policies for enhancing value addition in the dairy & meat sub-sectors
3. Facilitate policy options for enhancing the performance of the agricultural sector
4. Strengthen capacity of smallholders

➤ **Dr. Otika Lawrence** Director General  
State Ministry of Agriculture, Livestock and Rural  
Development, Eastern Equatorial State



# *Capacity Building, Training and Education*

- Strengthen capacity of agricultural research & development
- 2 MSc students from Southern Sudan are currently placed at Makerere University Kampala.
- These are expected to return and re-activate research activities in southern Sudan



**THANK YOU**

