ACP-EU JOINT PARLIAMENTARY ASSEMBLY MEETING

AGRICULTURE AND FOOD SECURITY IN SADC REGION

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Can Africa feed Africa?
HOW CAN AGRICULTURAL TRANSFORMATION AND INNOVATIONS ALLEVIATE POVERTY?
What comes to mind when the word AFRICA is mentioned?

Biases and Perceptions about Africa
“Much of this continent has turned into a battleground of issues such as:

- Poverty and Hunger
- Illiteracy, corruption,
- Social breakdown,
- Vanishing resources,
- Floods and Drought,
- Xenophobia and
- Homelessness of war refugees”
35 million Africans in 29 countries do not have enough food to live on.

10 million have abandoned their homes and farms in search of food and water.”
CHALLENGES OF FOOD AND NUTRITION SECURITY

• Globally, 1 in every 9 people have insufficient food

• Sub-Saharan Africa, 1 in every 4 people have insufficient food (23.8 percent)

• In SADC, most countries have 1 in every 3 people hungry (30 percent)
### Situation Analysis of Agriculture, Food and Nutritional Security In Southern Africa

#### The SADC region - 15 member States

Source: UNCTAD, 2013

<table>
<thead>
<tr>
<th>Country</th>
<th>Population (million)</th>
<th>Land area (sq. Meters)</th>
<th>GDP current us $ million</th>
<th>GDP growth %</th>
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<tr>
<td>Angola</td>
<td>21.5</td>
<td>1,246,700</td>
<td>126,774</td>
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<td>Botswana</td>
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<td>566,730</td>
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<td>20,856</td>
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<td>Lesotho</td>
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<td>30,360</td>
<td>2,323</td>
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<td>10,824</td>
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<td>Malawi</td>
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<td>5,127</td>
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<td>1,030</td>
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<td>South Africa</td>
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<td>460</td>
<td>1,277</td>
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<td>Swaziland</td>
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<td>17,200</td>
<td>3,561</td>
<td>1.2</td>
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<td>885,800</td>
<td>33,463</td>
<td>6.97</td>
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<td>23,562</td>
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<td>Zimbabwe</td>
<td>14.1</td>
<td>386,850</td>
<td>10,104</td>
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Country level Wheat Production

Data source: FAOstat
Agriculture trade outlook

Wheat Imports and Exports

- Wheat Value of Imports (LCU)
- Wheat Value of Exports (LCU)
ALL Cereals Food Balance 2014-2015

Data Source: FEWSNET
Agriculture trade outlook (Bots)

Chicken Imports and Exports

- Green line: Chicken Value of Imports (LCU)
- Purple line: Chicken Value of Exports (LCU)
Prevalence of Undernourished People in SADC Countries

Source: FAOstat
... Agriculture Transformation must be driven by OPPORTUNITIES and POTENTIAL...

Agriculture remains critical for improving food and nutrition, fostering economic growth and reducing poverty in the southern Africa
The pathway to transformation

Wealth creation; Improved Food and Nutrition Security; Resilience

Sustained inclusive agriculture growth
(Agribusiness & Entrepreneurship; jobs, poverty reduction; national & regional agric markets & trade; Africa’s share in global agriculture trade)

1. Increased agriculture production and productivity
2. Increased value-addition and access to better functioning markets and trade
3. Food and nutrition security for all
4. Resilience to climate change and other risks
5. Public-private engagement and investment financing
Moving Agricultural transformation Agenda Forward in SADC

CCARDESA is a Sub-Regional Organisation (SRO) established by Member States in the SADC region to:

• Coordinate implementation of regional agricultural R&D programmes;

• Facilitate collaboration among NARS, Universities NGOs, Private sector and CG centres;

• Promote public - private partnerships in regional agricultural R&D; and

• Improve agricultural technology generation, dissemination and adoption in the region through collective efforts, training and capacity building.
Vision and Mission

CCARDESA Vision
A prosperous, food secure Southern Africa region with vibrant rural livelihoods

CCARDESA Mission
To promote innovative research, technology generation and adoption for sustainable agricultural development through effective partnership and capacity building
CCARDESA Mandate

There are three key mandate of CCARDESA:

• Establishment of enabling conditions for regional collaboration and cooperation in the technology generation, dissemination and adoption (including capacity development)

• Making sure that there is demand-driven generation of technologies, provide evidence based research for policy

• Develop and Strengthen strategic partnership.
CCARDESA Research FOCUS AREAS

Livestock farming Systems
Crop Improvement and Agronomy
Aquaculture Research And Development
Forestry and Bio-products
Cross cutting issues: Gender Socio-economics, Nutrition studies and Policy

Research Value Chain
AGRICULTURE INNOVATIONS FOR POVERTY ALLEVIATION AND SOCIAL IMPACT TRANSFORMATION AGENDA:

UNLOCKING OPPORTUNITIES AND HOW RESEARCH CAN MAKE A DIFFERENCE
Worldwide, about one-third of all food produced, gets lost or wasted in food production and consumption systems.

At the same time almost one billion people do not have enough to eat.

Food loss is occurring at the production stages – harvesting, processing and distribution – while food waste typically takes place at the retailer and consumer end of the supply chain.

Therefore, reducing food waste would contribute significantly towards attaining sustainable food systems, hence addressing social, economic, and environmental issues. This is an area for Agriculture Transformation!!!!!
Challenges: Managing Waste

Inequality in food distribution - food wastage and food sufficiency
Why Transformation Agenda

We need

• Innovative research systems
• Transforming Agriculture and Research results as Business

– Sustainable production systems
– To Realign how we work together
– To Link agriculture between professionalism, policy and business
Innovations within a context of a less favourable environment
...IN MECHANIZATION (labour productivity)
The Enemy is the hand hoe

As slaves - 18th Century

...and its continued use should be considered a crime against humanity (Hatibu 2013)

As Free People in 21st Century SSA
ENSURING FOOD AND NUTRITIONAL SECURITY

ENHANCING RESILIENCE AND LABOUR PRODUCTIVITY

MARKETS AND WEALTH CREATION

...THE THREE CHALLENGES!!!
To Transform Agriculture – we have to mechanize farming

We Need: **Harness knowledge for local problems**
… AND…

DOING AGRICULTURAL TRANSFORMATION AND INNOVATION AS “UNUSUAL BUSINESS”

FOCUS MORE ON:
A systemic and organizationally process for:

☑ Acquiring knowledge;
☑ Organizing knowledge; and
☑ Putting knowledge (from the global treasure) into use to facilitate innovation

We Need: *Harness knowledge for local problems*
So the “Agriculture transformation Agenda” should focus more on ...

Knowledge prospecting, that is:

- the searching,
- identifying,
- adapting, and
- diffusing knowledge and technologies from all sources

We Need: Harness knowledge for local problems
Transforming Agriculture Agenda: Targeting the Youth

We Need: **Harness knowledge for local problems**
60% of Africa population urbanized in 2050;

65% of population is below 35 years; and

By 2020, 3 out of 4 people will be 20 years old
Youth and Entrepreneurship
Agri-Business Programmes

• Due to high unemployment rate, it is important to start planning innovative programmes in all areas of study.

• Designing market oriented enterprises for youth in various value chain

• Embark on Business briefs targeting youth
WOMEN AND YOUTH IN AGRICULTURE
Transformation Agenda
SUGGESTED APPROACH

MORE EMPHASIS
ON
AGRO-PROCESSING
ENTERPRISES, MARKETS &
STRUCTURED TRADE
POTENTIAL AREAS FOR INNOVATION

- E-FARMING
- PRECISION AGRICULTURE
- CLIMATE SMART AGRICULTURE
- BIO-ENERGY AND BIO-FUEL
- KNOWLEDGE BASED RESEARCH AND ECONOMY

POTENTIAL AREAS FOR FUTURE
WE CAN INNOVATE POSITIVELY