Partnerships for Capacity Development for Modernizing African Food Systems

Isaac Minde, on behalf of Makerere, Michigan State, Pretoria and Stellenbosch Universities
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Outline

1. Trends in African food systems
2. Changing skill requirements
3. Partnership for capacity development
Population trends in Sub-Saharan Africa

Urbanization (3%) + income growth (2%)

→ rapidly growing food markets
→ changing composition of demand
  + meat
  + dairy
  + fresh produce
  + processed foods

Source: UN Urban Projections (http://esa.un.org/unup/)
Increases 2010 to 2050

Total population: double
Urban population: triple

*Marketed food:* 5-6 times


Outline

1. Trends in African food systems
2. Changing skill requirements
3. Partnership for capacity development
2. Changing skills: marketing

2. Changing skills: food processing
2. Changing skills: packaging

2. Changing skills: food safety, nutrition, regulation
Food value chain

- Consumption
- Distribution
  - Packaging
  - Processing
  - Marketing
- Farming
  - Farm inputs

Skill requirements

- Food policy
- Nutrition
- Food safety
- Packaging
- Food biochemistry
- Logistics management
- Supply chain management
- Financial management
- Plant breeding
- Agronomy
- Entomology
- Animal science
- Veterinary medicine
- Extension
Food value chain

Past 40 years

Public

- Food policy
- Nutrition
- Food safety
- Packaging
- Food biochemistry
- Logistics management
- Supply chain management
- Financial management

Private

- Plant breeding
- Agronomy
- Entomology
- Animal science
- Veterinary medicine
- Extension

Food value chain

Next 40 years

Public

- Food policy
- Nutrition
- Food safety
- Packaging
- Food biochemistry
- Logistics management
- Supply chain management
- Financial management

Private

- Plant breeding
- Agronomy
- Entomology
- Animal science
- Veterinary medicine
- Extension
2. Changing skill requirements

+ More post-farm skills (marketing, processing, distribution, consumption)
+ More private sector clients

*Afican agricultural universities will need to adjust.*

Outline

1. Trends in African food systems
2. Changing skill requirements
3. Partnership for capacity development
3. Capacity development partnership

• Technical team *(Agricultural universities)*
  – Makerere University
  – Michigan State University
  – University of Pretoria/Stellenbosch

• Supervision:
  – NEPAD PCA
  – Advisory Board

• Private agribusiness interactions

• Open source model

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**Five Public Goods**

1. **Food system dynamics**: How fast? What value chains? What new skill requirements? Public and private sector?

2. **Models of engagement between agribusiness and universities**: South Africa CSIR, Makerere value chain, others

3. **Inventory existing capacity at African agricultural universities**

4. **Impact of past institution building efforts in African agricultural universities**: literature review; tracer interviews with former students

5. **Case studies of African universities with regional footprints**: curriculum, staff retention, finances, student placement
Expected Outcomes

• Five public reports/data bases
• Structured engagement between universities and private agribusinesses
• African agricultural universities (and other interested parties) use outputs in formulating capacity development proposals

Thank you very much for your attention.