Stimulating Economic Development & Improving Food Security through School Nutrition Programs

School Feeding Programs: Essential Building Blocks when Building Effective School Nutrition Program

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Countries we serve are developing rapidly

- The need for effective school nutrition programs is growing.
- You face these challenges every day.
- Not only do you face your current challenges - the challenges you face are changing.
- A number of trends affect you.
One of these trends - Urbanization

- Many Countries seeing migration from rural to urban areas.
  - In North and South America and Europe percentage of people living in urban areas has reached very high levels,
  - Some parts of Asia and most parts of Africa are lagging behind.
  - Urban population in Africa - about 40% total population
    • Latin America – the level observed in 1950.
- Within next decade > 80% Latin Americans will live in cities.
- Africa is behind Latin America but following a similar path.
Major factors influencing migration patterns

- 1- Migration of young people from rural to urban areas,
- 2- High population growth due to high fertility rates and low median ages.
  - Africa’s youth bulge reaching adulthood will move to cities for better opportunities
- Africa will experience the strongest urban growth among all regions of the world until 2050. (AfriBuz, 2011)
  - 294MM in 2000 to 742MM in 2030 (152%).
  - In comparison, Asia will grow by 94%, Latin America 55%. 
Urbanization is one important challenge for the African continent, it is an important opportunity for government and business.

- Important Questions
  - Relative to the health of your countries - will it be positive or negative?
  - What role will School Nutrition programs play?
Governments Understand that Problems are also Opportunities

From Good Nutrition to Greater Productivity and Beyond……

Source: (http://www.unicef.org/sowc98/silent.htm)
Food Value Chain: Essential Building Blocks

- Crop Production
- Harvest, Storage and Transport
- Food Processing and Preservation
- Food Product Distribution
- On-site Storage, Preparation, Consumption
As countries develop, delivering school nutrition becomes more complex.

- Length of the Food Value Chain varies
- In simplest form - Wet market to rural school
- As counties urbanize - Commodities move from areas of production to suburban and urban schools
- Complexity increases as menu variety and nutrition content improves
School Nutrition can be an engine that pulls through development of a safe and abundant food supply

- Government policy and regulatory infrastructure development paves the way for:
  - Private sector to invest in productive capacity
  - School Nutrition Program creation and expansion
    - Can give stability to demand in commodity markets
    - Provides a base loading for processing plants
    - Drives the need for consistent, safe, nutritious foods
    - Excess productive capacity can marketed into commercial markets
- Creates the Child Nutrition/ Economic Growth Cycle of improvement –
- Which is why your governments should be very interested in what you are doing!!!
School Nutrition → Capacity Building = Community Benefit

**SKILL, CAPACITY BUILDING OPPORTUNITIES**

<table>
<thead>
<tr>
<th>Crop Production</th>
<th>Harvest, Storage and Transport</th>
<th>Food Processing and Preservation</th>
<th>Food Product Distribution</th>
<th>Food Sanitation, nutrition understanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved Knowledge, Inputs: seeds, fertilizer</td>
<td>Improved harvest, storage and transportation assets</td>
<td>Food Technology, Packaging and Quality Control</td>
<td>Food transport, Distribution, increased local content</td>
<td>On-site Storage, Preparation, Consumption</td>
</tr>
</tbody>
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**COMMUNITY BENEFITS**

- Improved Yields, productivity, and Farmer Income
- Reduced losses, more product to market with better market linkage
- Safe, Stable food supply, Economic Expansion, increased variety, etc.
- Shorten supply chain, improved predictability of supply and price
- Improved nutrition. Health, academic performance
Business Model - Value Chain Mapping

- **Farmer**
  - Multi-crops: Corn, Cocoa, Veg., Cotton, Fruits etc.
  - Seeds/Crop Protection
  - Inputs Financing
  - $\$

- **Commodity Processing Factories**
  - Food Processing
  - Flour Mills
  - Export Markets
  - Co-ops
  - Water, Energy & Storage Technologies
  - $\$

- **Government Assistance**
  - Extension Services
  - Collaboration
  - Best Practice Deployment
  - Project Management
  - Information Management

- **NGO Assistance**
  - Assistance
  - Collaboration

- **Agriculture Upstream Downstream**
  - Nutrition

- **Food Distribution**
  - Child
  - Improved nutrition
  - Academic performance

- **School Feeding Program**
  - Fortified food product
  - $\$
  - School Feeding Development Fund

- **Consumer Markets via commercial players**
  - Flour Mills Markets
  - Export Markets
  - Food Safety & Packaging

- **Inputs Financing**
  - $\$

- **Education materials**
  - $\$

- **Financing**
  - $\$
  - $\$

- **Seeds/Crop Protection**
  - $\$

- **Fortified food product**
  - $\$
  - $\$

- **Food Processing**
  - $\$
  - $\$

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- **School Feeding Development Fund**
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- **Consumer Markets via commercial players**
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- **Food Distribution**
  - $\$

- **School Feeding Program**
  - $\$

- **Children's Improved nutrition**
  - Academic performance
Food Value Chain Enhanced by:

- Government Policy
- Specific Skill Sets
- Financial Resources
- Physical Assets – Harvest, Storage, processing
- Transportation infrastructure
- Technology
- Stable market, predictable demand
If government and private sector create these essential elements of the value chain it will be a great benefit to the children and nations we serve.
Thank You - Questions, Comments