



Centre for Coordination of Agricultural Research & Development for Southern Africa  
Centre De Coordination De La Recherche Et Du Développement Agricole De L'Afrique Australe  
Centro para a Coordenação da Investigação e Desenvolvimento Agrário na África Austral



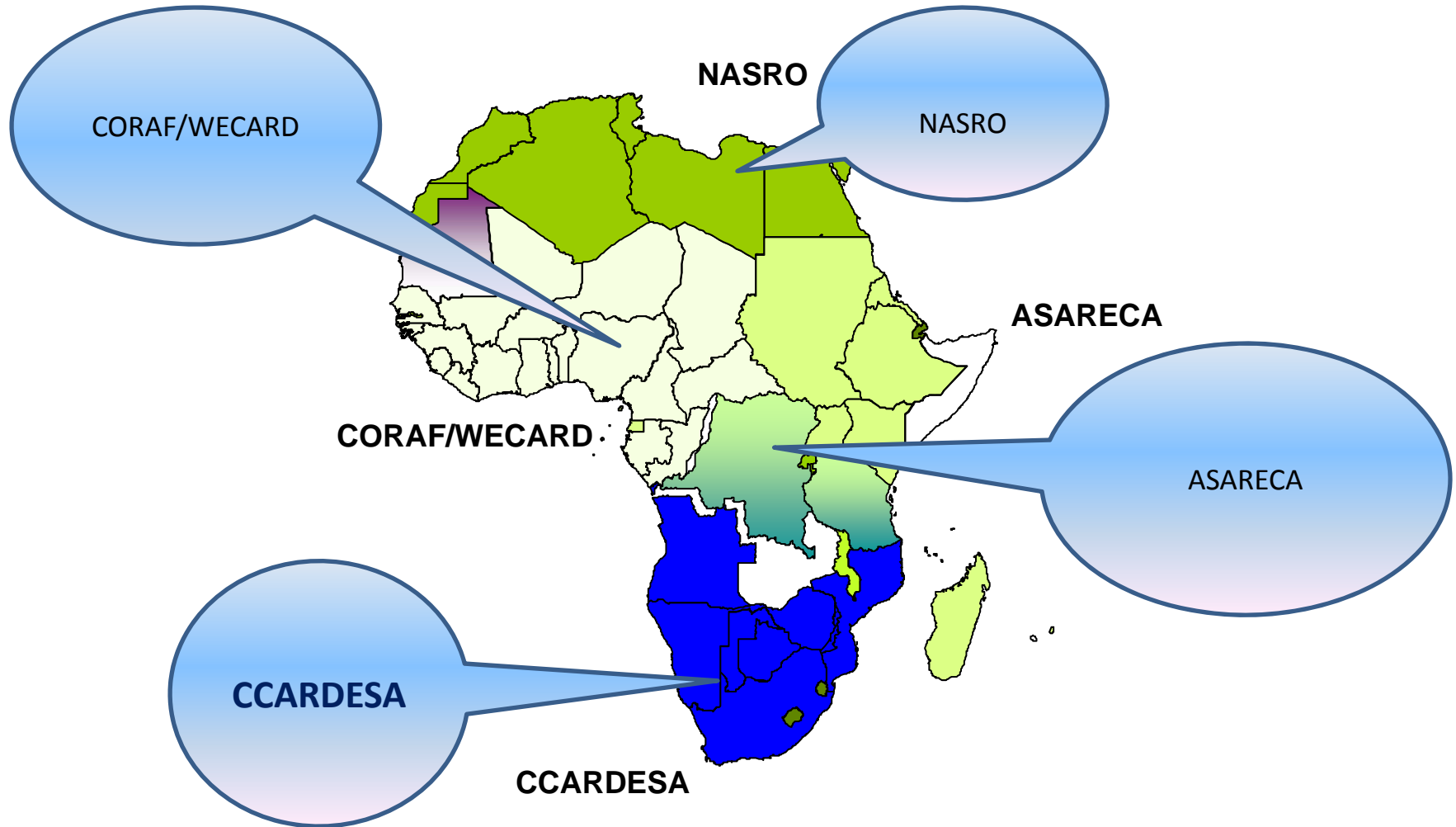
*Center for Coordination of Agricultural Research and Development in Southern Africa*

# **AGRICULTURE TRANSFORMATION AGENDA IN SADC INSIGHTS AND FORESIGHT**

**Prof. Timothy Simalenga  
Executive Director - CCARDESA**

**DECEMBER 2013**

# CCARDESA – THE NEW SRO



# Introduction

## SADC: BASIC INFORMATION

POPULATION:	Estimated at 250million growth rate 2.4%
Poverty level:	very high Estimated 70% Of population live below poverty line of U\$ 2per day while 40% live below U\$ 1

About 70% of population depend on Agriculture for food, income and employment

Agriculture growth rate averages 2.6% per annum

# **Introduction**

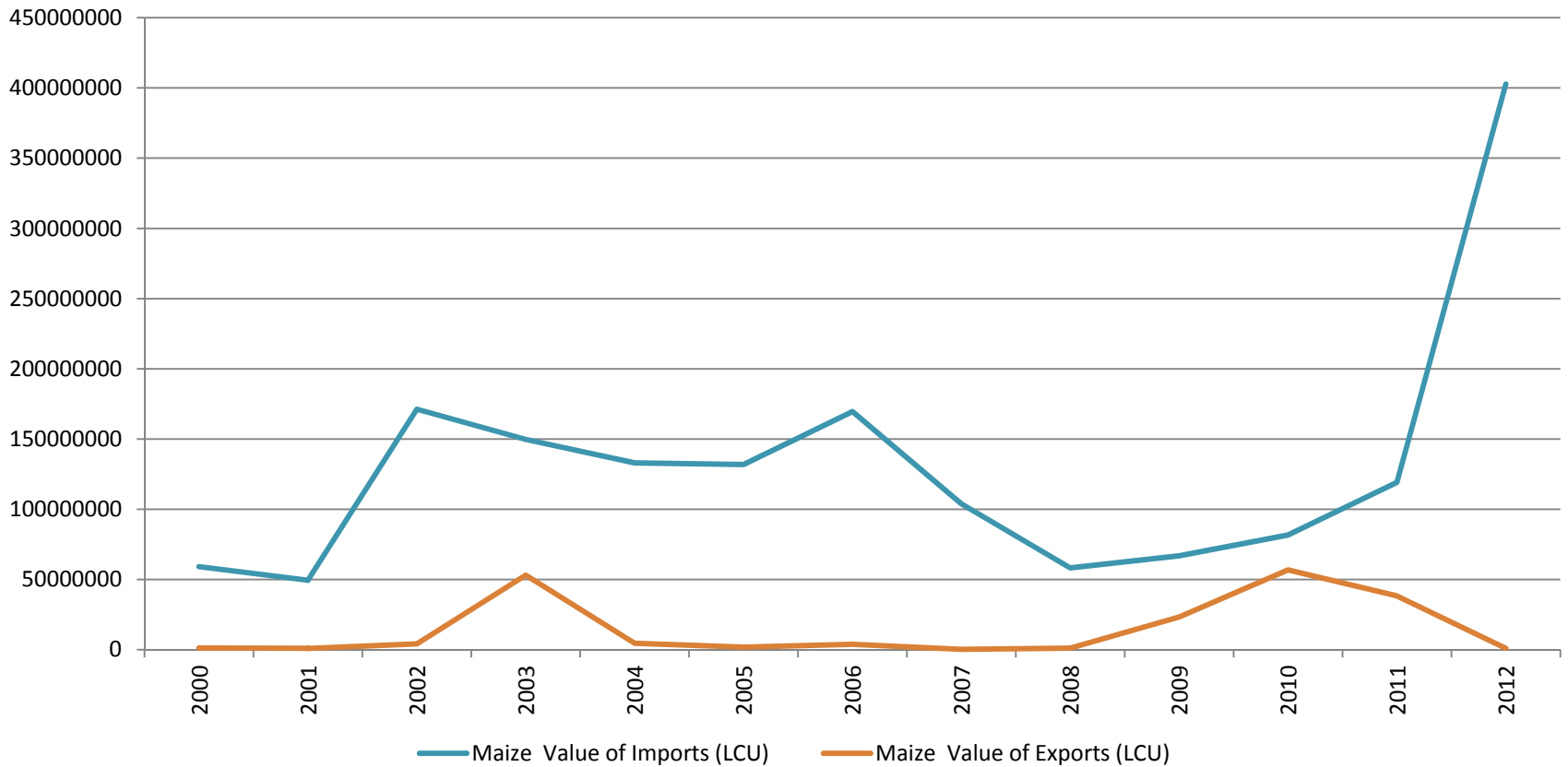
**Can Africa Feed itself?**

**Can Africa Feed the World?**

**Southern Africa's Role?**

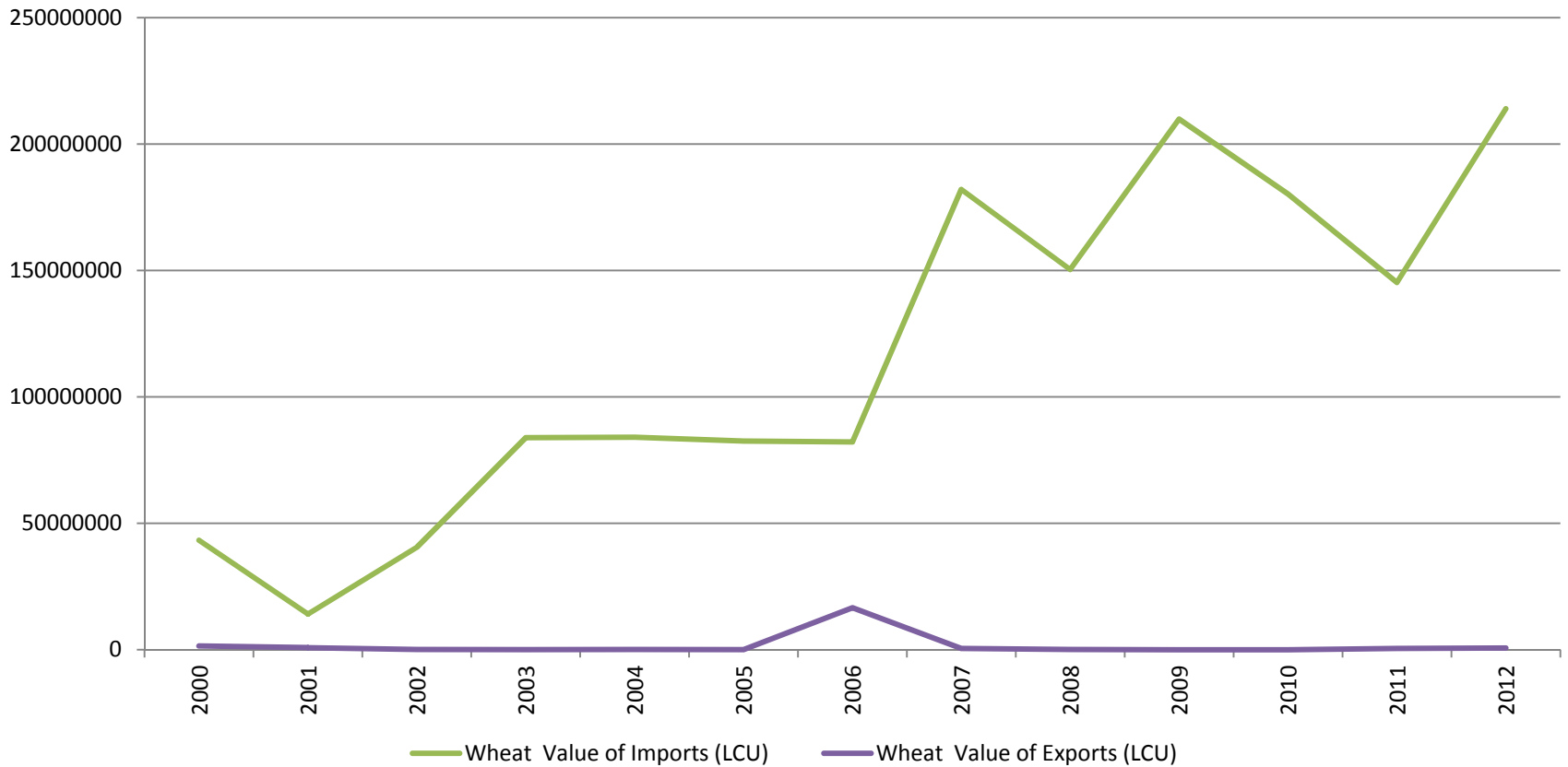
# Agriculture trade contd

## Maize Imports and Exports

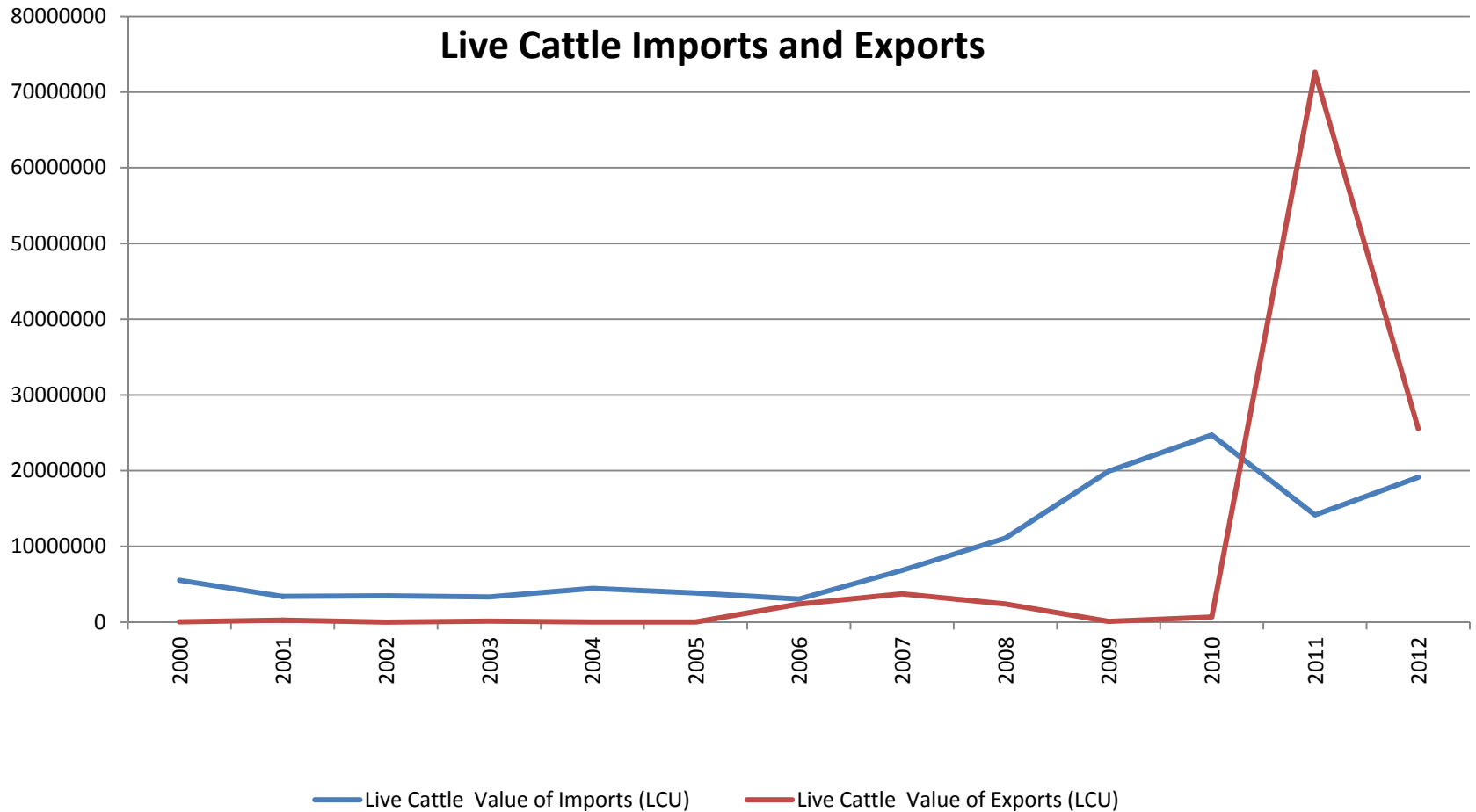


# Agriculture trade contd

## Wheat Imports and Exports

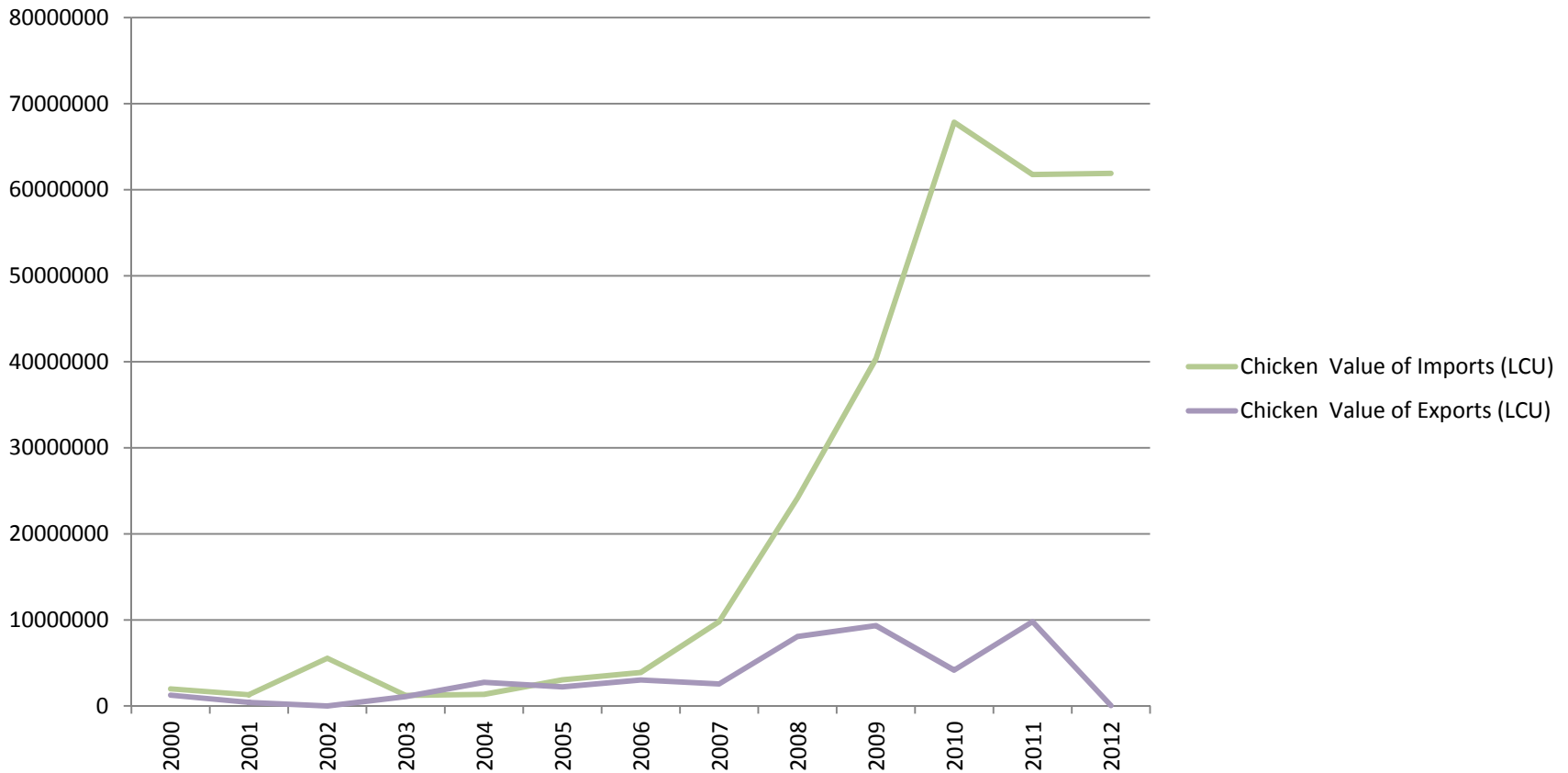


# Agriculture trade contd



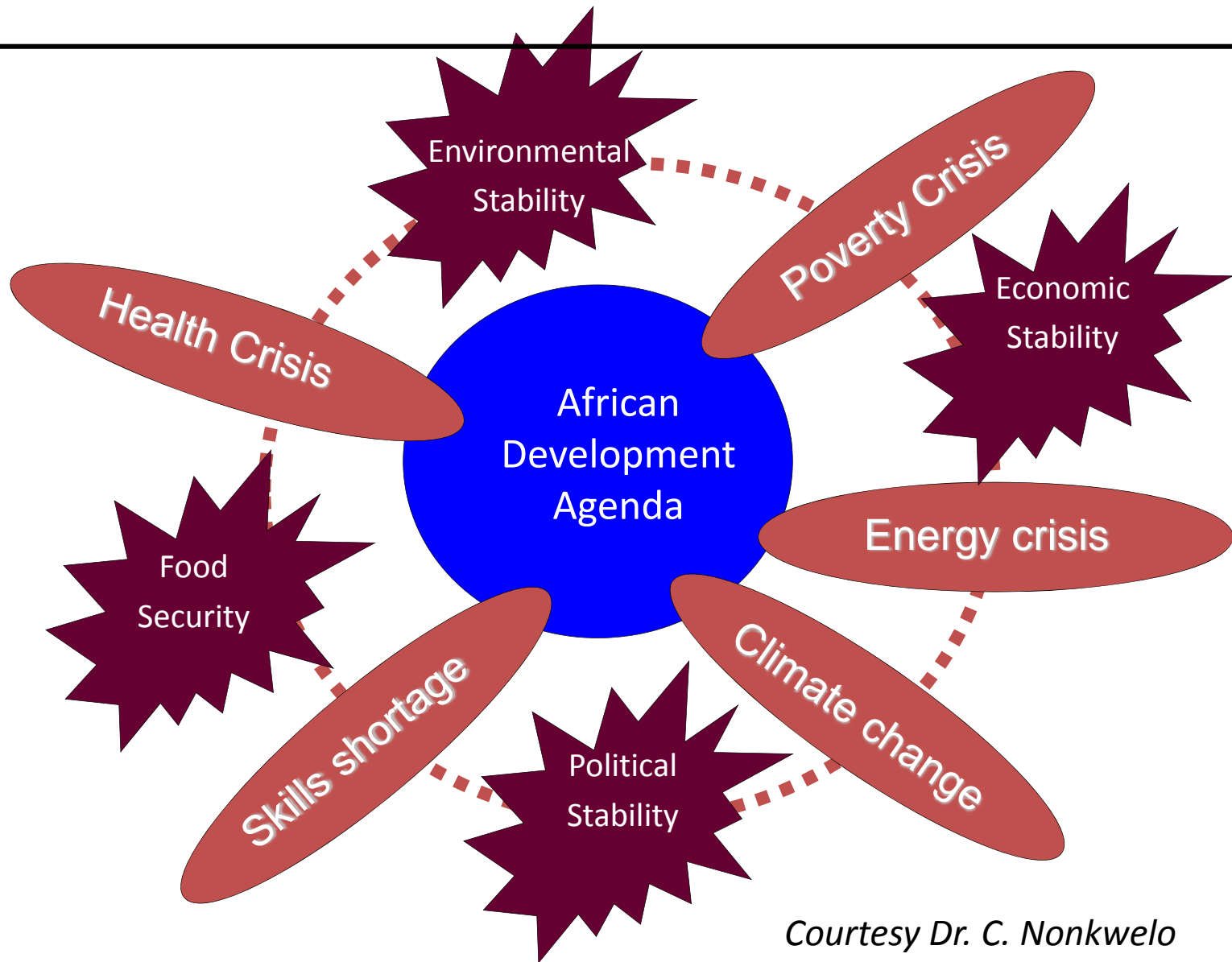
# Agriculture trade contd

## Chicken Imports and Exports





# Current Spiral Challenges



*Courtesy Dr. C. Nonkwelo*

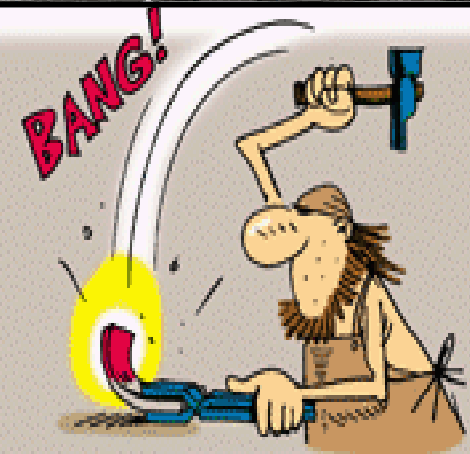
# MEGA TRENDS OVER DECADES



STONE AGE



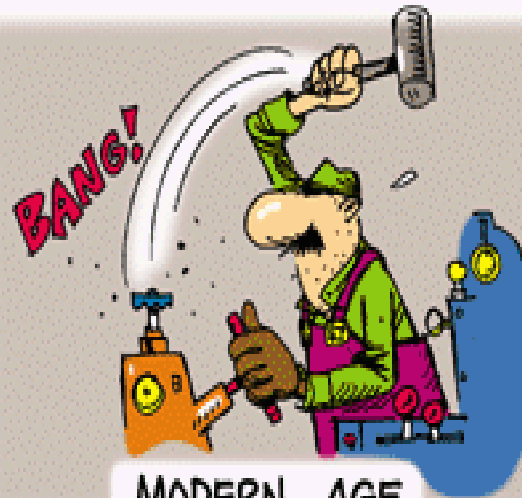
BRONZE AGE



IRON AGE



DARK AGE



MODERN AGE



COMPUTER AGE

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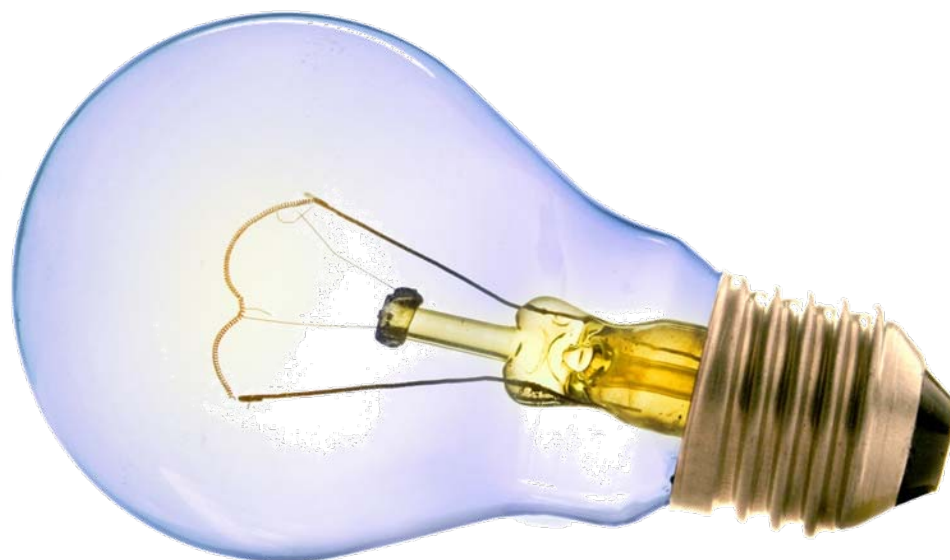
By: T. Bui & G. Johnson  
TAK  
7-25

# What we Know wrt Agriculture Transformation Processes



- ❑ Science and Technology plays an important role in reducing hunger, improving livelihood and promotes economic development and growth
- ❑ Research and Technology provides foundation in agriculture innovations and transformation processes.

# Agriculture – led industrialization



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# CHALLENGES .....

**WASTE  
MANAGEMENT**

**AGRO-  
PROCESING**

# MANAGING – WASTE

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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 as 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**



# MANAGING– AGRO-PROCESSING

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The market trend for the Agro-processing industry is highly concentrated.

For example, only four companies control 90% of maize and wheat milling in South Africa (Pioneer, Tiger Brands, Premier and Ruto/Foodcrop)

Similar trend is seen in the dairy industry where the four largest companies contributed almost 70% of income earned in the dairy manufacturing sector in 2005;

Though large enterprises in the agro-processing industry contribute a significant share of income and employment, the relative share of Small Medium Enterprises (SMEs) to the total employment is higher, compared to their share of total income in the industry.

Therefore, **SMEs have greater potential in generating jobs in the agro-processing industry (DAFF)**, and yet they have limited participation in the agro-food value chains.



# CHALLENGES.....

**Knowledge  
Management,  
Information and  
Communication**

**ACCESS TO  
MARKETS**

# MANAGING – TRADE AND MARKETS

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**There is a high potential for smallholders to derive livelihoods from market-oriented agriculture.**

**However, smallholders often face a number of barriers to accessing the markets.**

- **Poor respond to rapidly changing market conditions and,**
- **Production strategies undermined by new competition without being able to take advantage of the new opportunities provided by liberalization policies**
- **Smallholder farmers are ill equipped to benefit from the new market environment.**

**They lack information about markets, business and negotiating experience and a collective organization to give them the power they need to interact on equal terms with other – generally larger, stronger market intermediaries.**





**Stop Making**

**Excuses –**

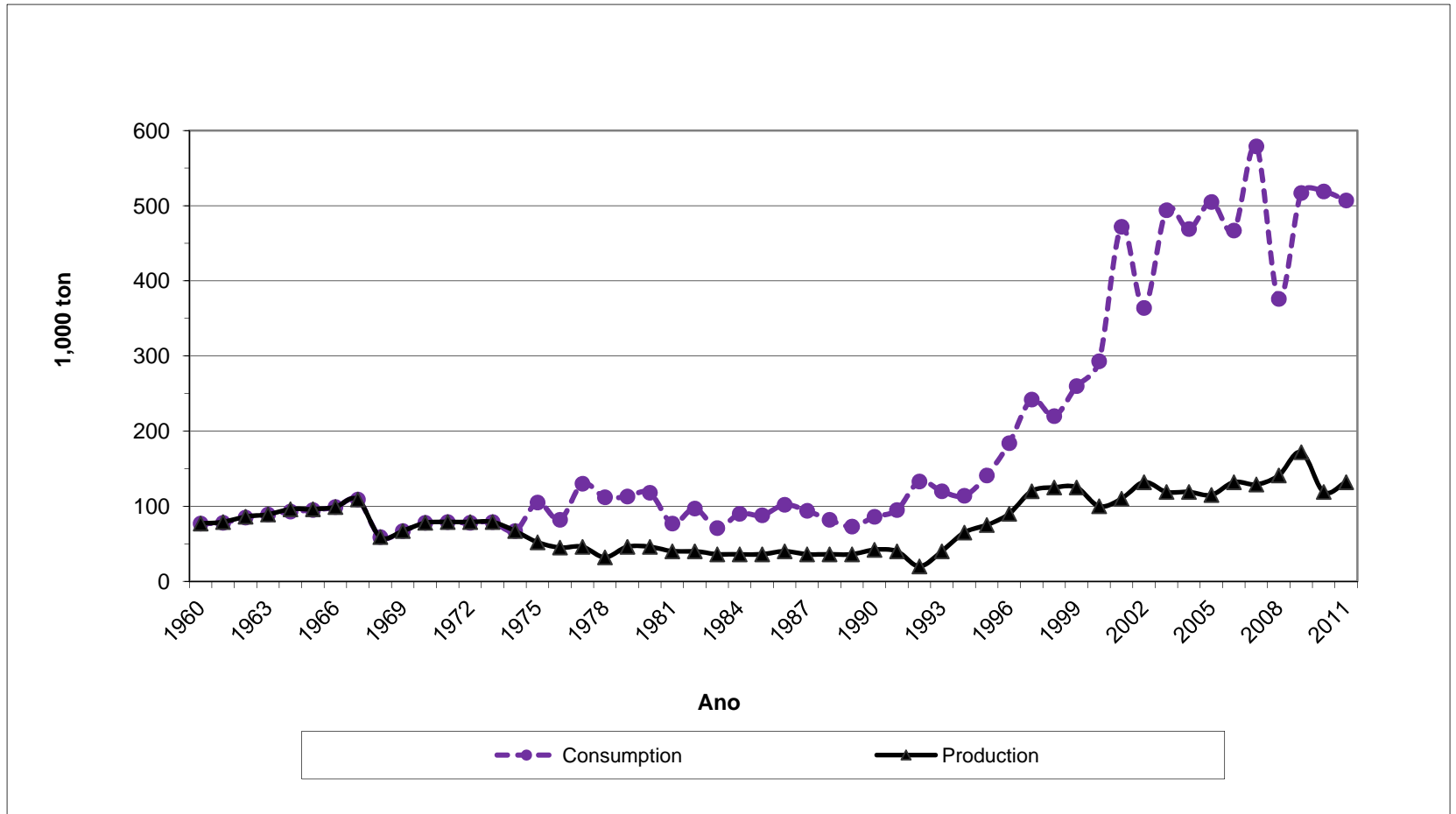
**Find a Way!!!**

# Mega and Widening Trends (1)

- **The population boom: 7 billion and counting**
- **Global population as whole becomes more urban and less rural**



# Production vs Consumption Pattern



# Mega and Widening Trends



- **Estimates show that in 2010, 50.5% or 3.5 billion people live in cities.**



**Managing the  
FUTURE!**

# Why Transformation Agenda

- **30 years ago.... Malawi, Burundi and Burkina Faso were economically ahead of China on a capital income basis**
- **Between 1970 and 1998, when aid flowing to Africa was at its peak; Poverty rate rose from 11% to 66%**

**WHAT HAPPENED???????**  
**Dambisa moyo: “Dead aid”**



# Why Transformation Agenda

## **We need**

- **Innovative systems**
- **Transforming Agriculture as Business**
  - **Sustainable production systems**
  - **To Realign how we work together**
  - **To Link agriculture between professionalism and business**

# Agriculture Transformation Agenda

**Transformation within a context of a less favourable environment**

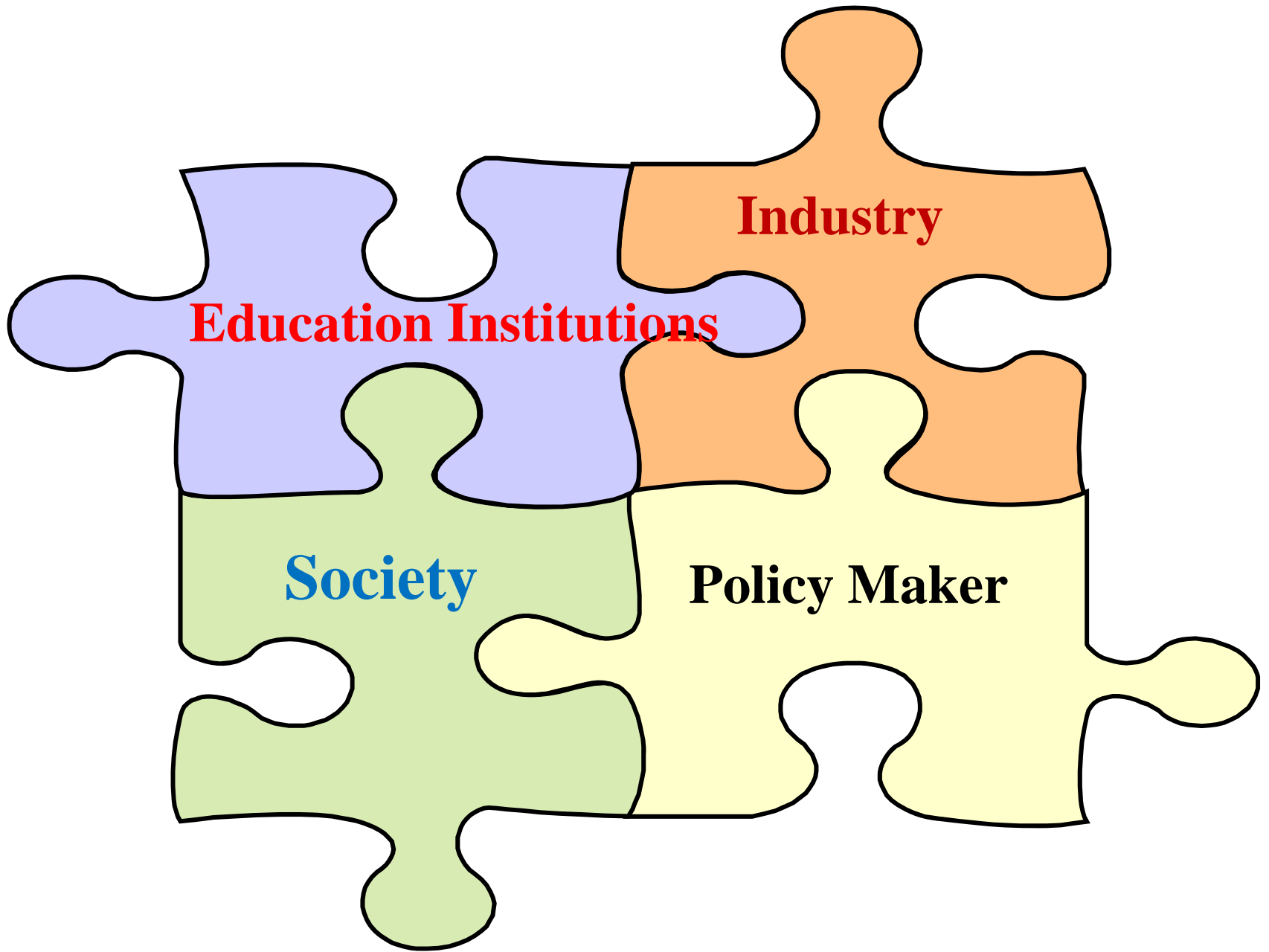


# Strengthening Strategic Alliances



**Supporting implementation of key practical issues  
affecting agriculture development**

**Mobilising strategic partnerships and  
key players in the value chain**



**Education Institutions**

**Industry**

**Society**

**Policy Maker**

# Strengthening Strategic Alliances

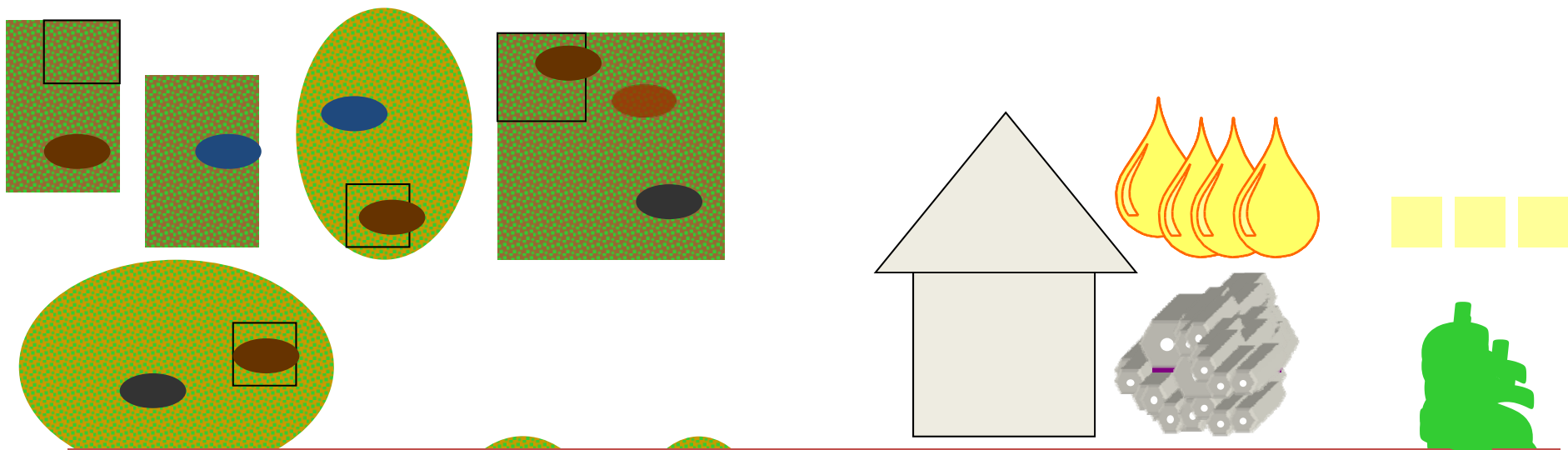
- **Working together implementing key practical issues affecting agriculture development**
- **Practical arrangements for “free” trade in agricultural products**
- **Spread the Micro-financing Institutions that has flourished in Asia and L.America**

# Transformation Agenda: Targeting the Youth

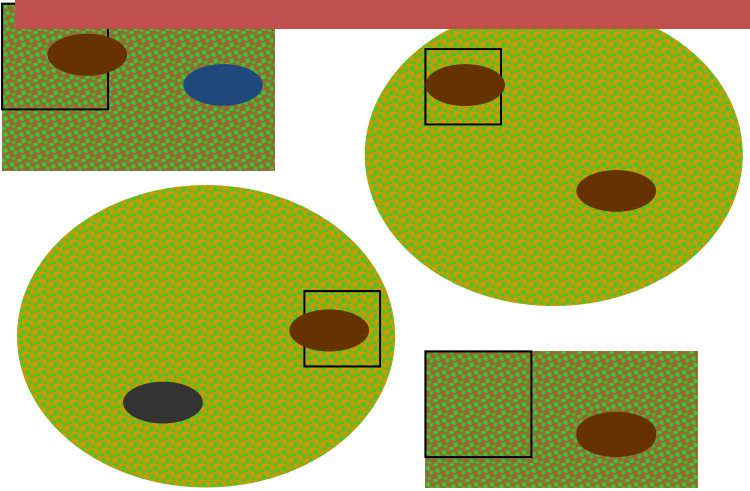


# **Youth and Entrepreneurship Programmes**

- **Due to high unemployment rate, it is important to start planning for youth programmes in agriculture.**
- **Designing market oriented enterprises for youth in various value chain**



**Beneficial evidence of:  
Profitable Farming  
with 'Sustainable Rural Development'**





# Concluding Remarks





# *Thank You*



[www.ccardesa.org](http://www.ccardesa.org)