

# Promoting Innovative agribusiness for economic growth in Africa-what are the challenges and opportunities?

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**L2C-Learning to Compete: Industrial Development and Policy in Africa**

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# Overview

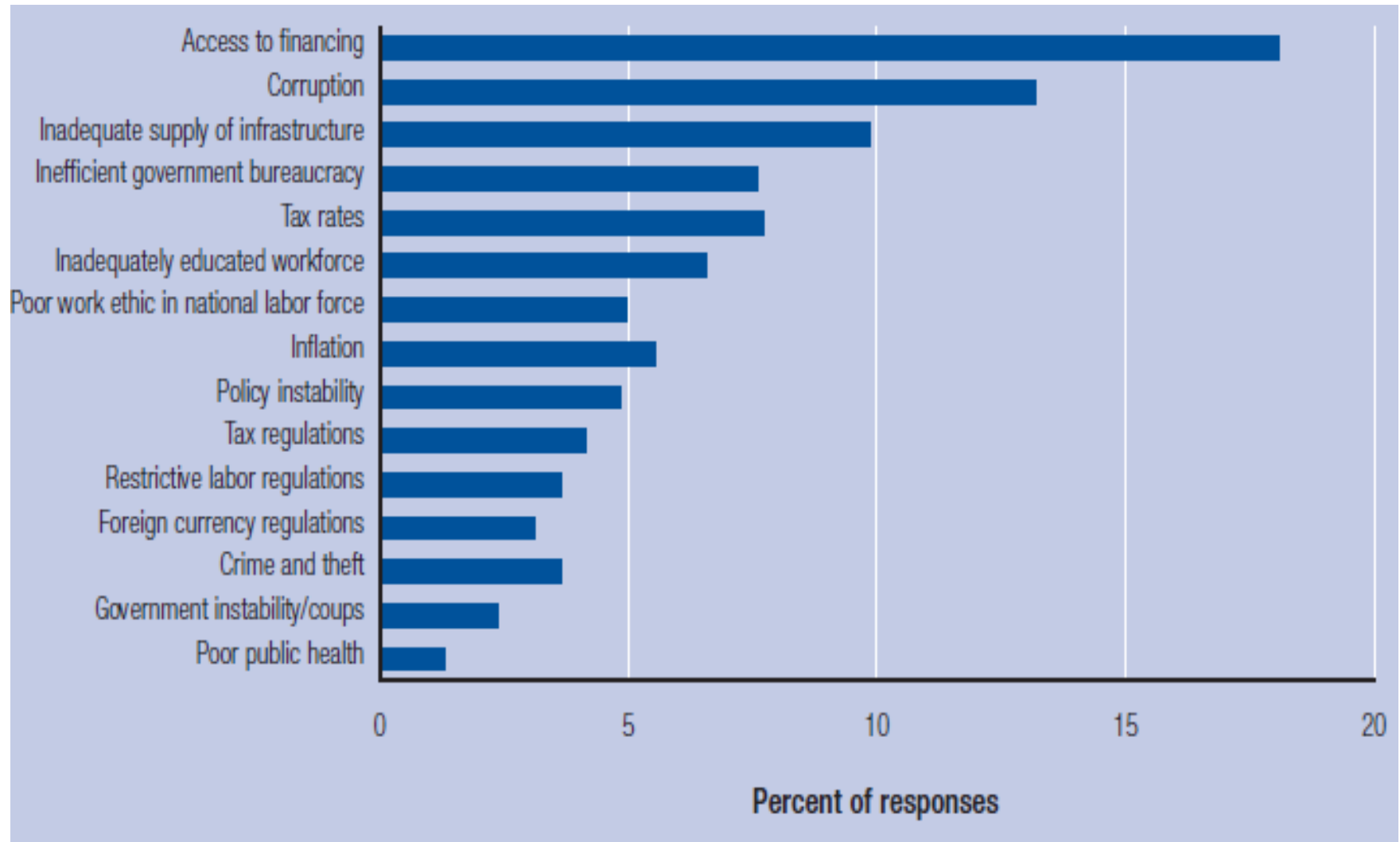
- Potential of agribusiness and its challenges
- Why innovative agribusiness in Africa should be encouraged
- the way forward



# Why promoting innovative agribusiness in Africa?

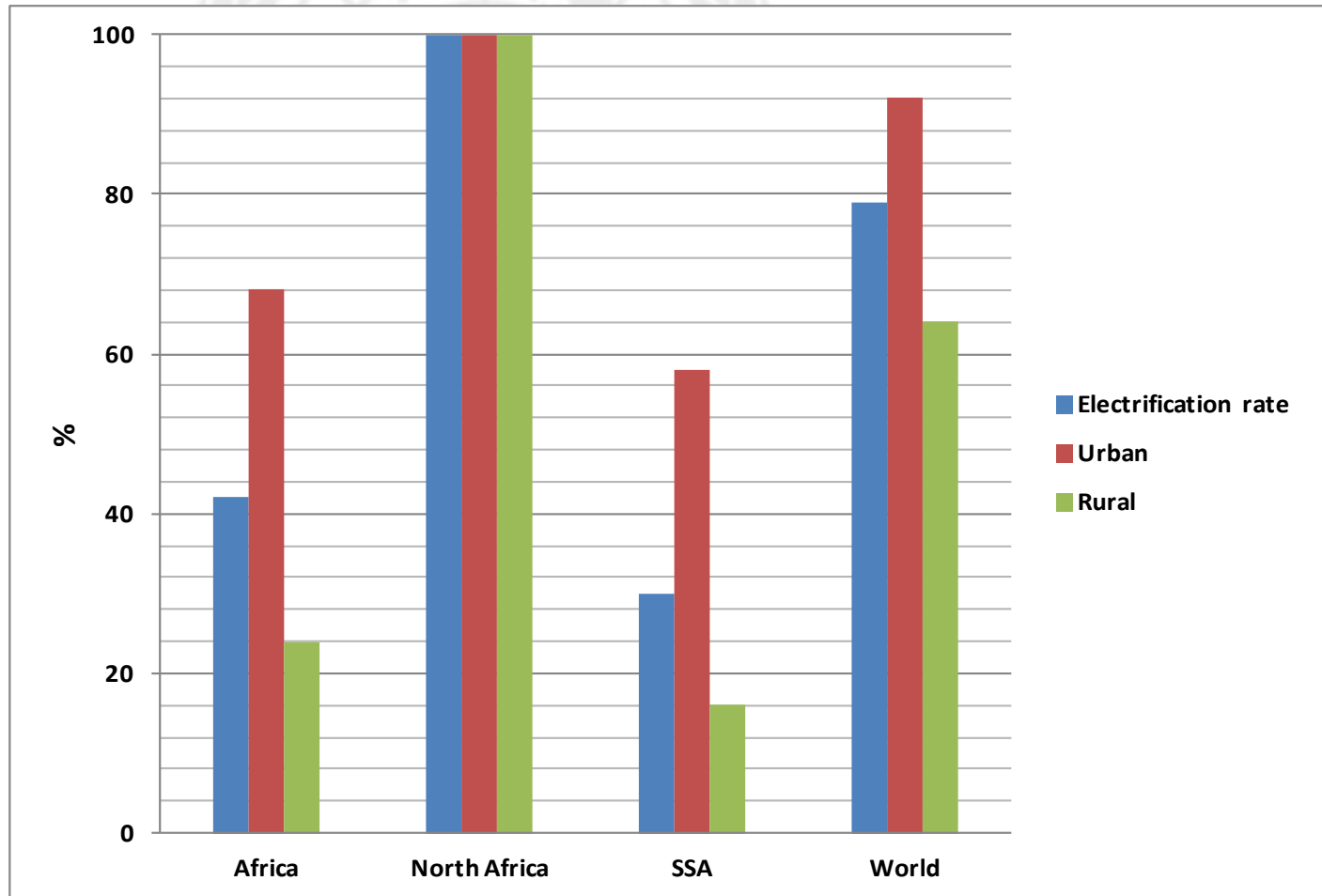
- Accelerate economic growth-improve food security and reduce poverty
- Enhance domestic trade, regional and international markets
- Promote smallholder inclusion into more modern and efficient value chains
- Improve quality and safety of foods

# Challenges in doing business in SSA



Source: World Economic Forum, 2013

# Access to electricity in Africa and the rest of the world-2008



Source: World Energy Outlook; 2010

# Opportunities in the horticulture market industry

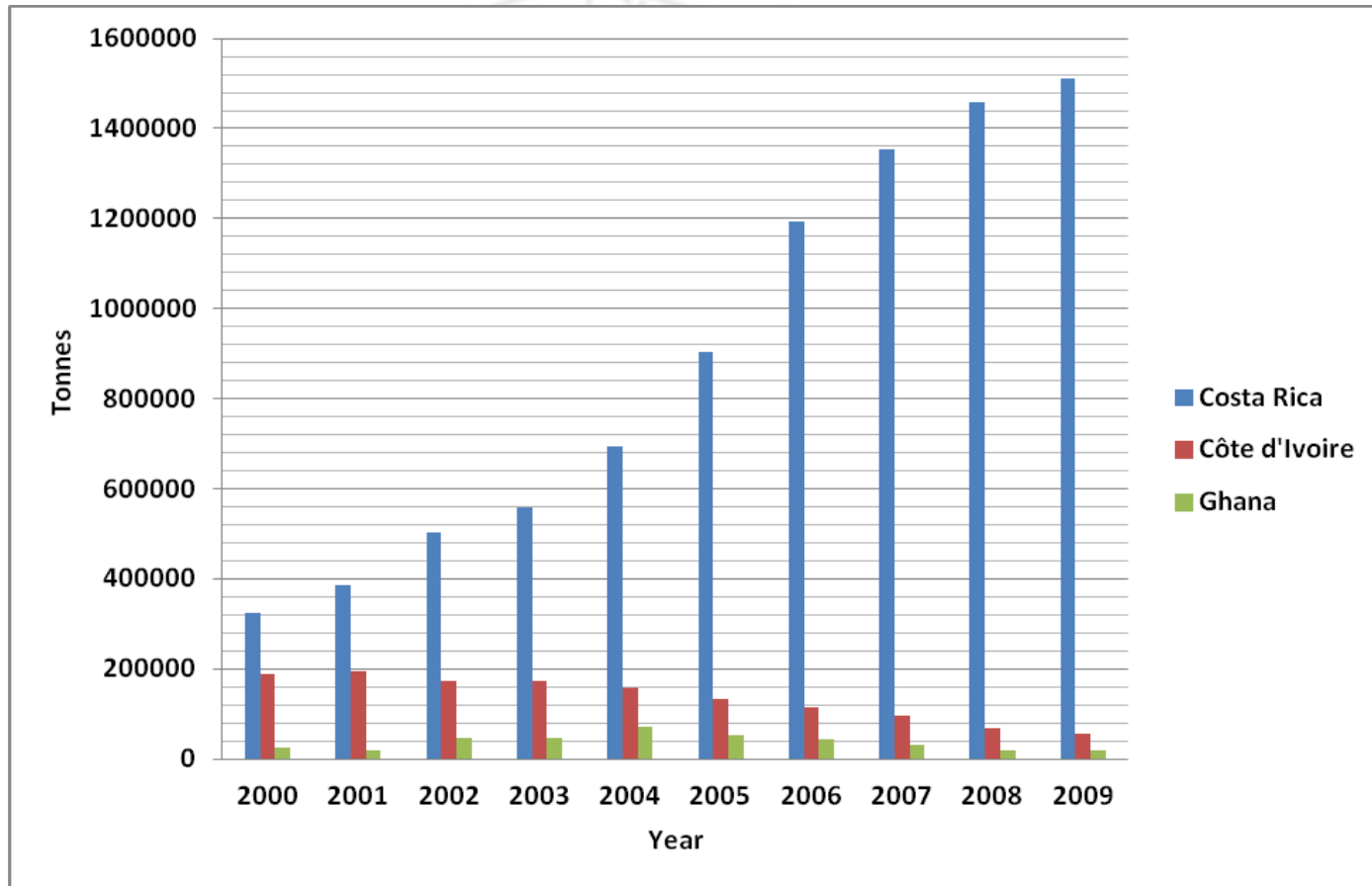
- Strong market demand
  - International trade in horticulture industry grows at a rate of 7%
  - High-value product provides higher income for smallholders
- Advantages for smallholders
  - Low transaction costs in accessing labour
  - Improved quality products
  - Access to training, technology and markets

# Challenges in horticultural supply chain

- Poor infrastructure
- Standard and codes (e.g., GLOBAL GAP)
- Inadequate finance
- Land tenure problems

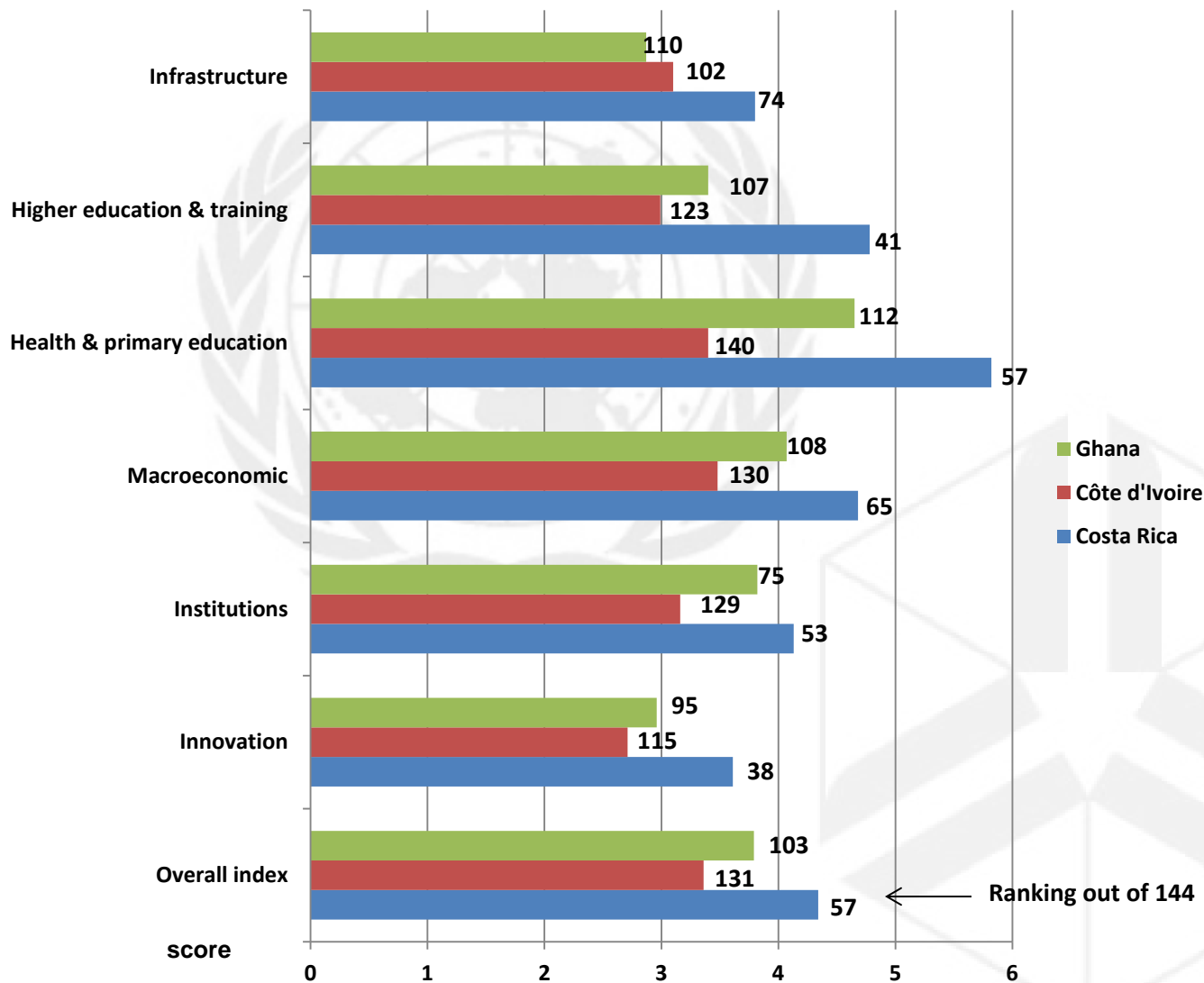


# Export of fresh pineapple to the EU Markets



Source: FAO, 2010

# Analysis of six key pillars- Global Competitive Index



Source: Author, based on data from World Economic Forum, 2013

# Lessons from Costa Rica-Success factors

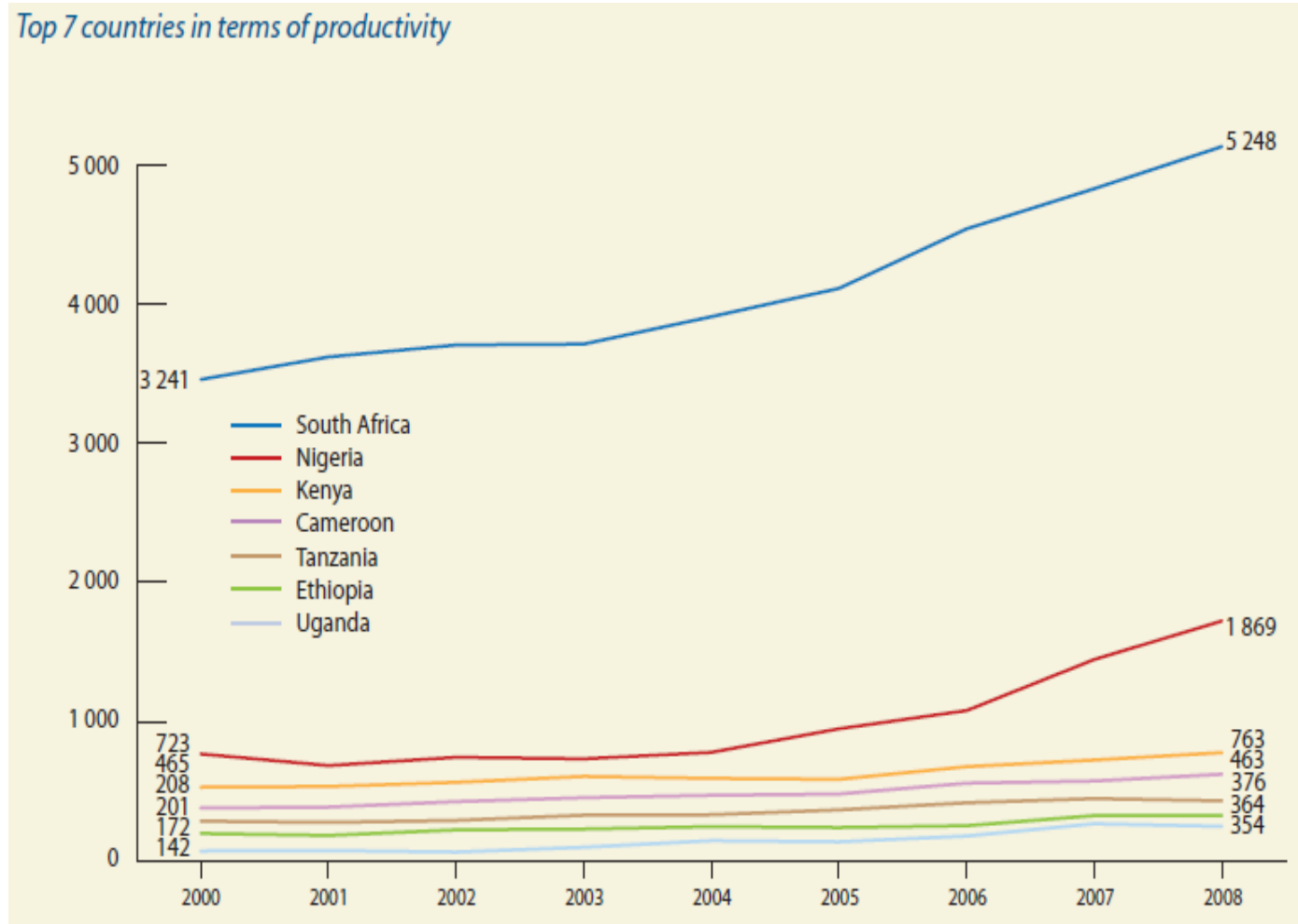
- Replacement of varieties of pineapple available on the market by Gold Extra Sweet MD2
- Adequate technical support and management system
- Adoption of explicit national agricultural policy framework
- Strategic innovation programs such as varietal, logistical and marketing

# Agricultural Innovation in Africa

- According to Peter Drucker: “Innovation is the specific instrument of entrepreneurship —an act that endows resources with a new capacity to create wealth”
- Africa's contributions to the world's research and development (R&D) remain very low — totaling less than 1 per cent of global investment in R&D and a mere 1.5 per cent of total scientific publications

## Scientific publications in sub-Saharan Africa, 2000–2008

*For those countries that produced more than 100 publications in 2008*



Source: Thomson Reuters (Scientific) Inc. Web of Science (Science Citation Index Expanded), compiled for UNESCO, 2010

# Patents awarded to African inventors by USPTO, 2005–2009

	2005				2006				2007				2008				2009				Total			
	Utility	Design	Plant	Reissue	Utility	Design	Plant	Reissue	Utility	Design	Plant	Reissue	Utility	Design	Plant	Reissue	Utility	Design	Plant	Reissue	Utility	Design	Plant	Reissue
<b>Sub-Saharan Africa:</b>																								
Benin									1												1			
Burkina Faso																	1				1			
Cameroon									1								1				2			
Chad													1								1			
Ethiopia									1												1			
Gabon									1												1			
Ghana									1												1			
Kenya	9	1			3				1				4				7				24	1		
Mauritius													1									1		
Namibia									1												1			
Seychelles					2								1								3			
South Africa	87	16	5		109	13	5		82	30	3		91	32	1		93	39	6	1	462	130	20	1
Zimbabwe	1				1				1								4				7			
<b>Arab states in Africa:</b>																								
Algeria					1																1			
Egypt	7				4				12				2				3				28			
Morocco	1				3				1				4				1	2			10	2		
Tunisia	1				2								2								5			

Source: UNESCO, 2010



RESEARCH

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# Developing GM super cassava for improved health and food security: future challenges in Africa

Ademola A Adenle



## Abstract

**Background:** The young children are a part of this problem

# Strategic innovation program is compulsory!!!

- Most African countries do NOT have a clearly structured and planned innovation program for agriculture and agribusiness development
- But Africa have to be realistic and how?



**Strategized plans and implementation**

- 
- Africa can develop global and competitive agribusiness market through common innovation infrastructure including investment in training and education, public-private partnership, ICT and transportation
  - Don't just talk about it-FUND and IMPLEMENT IT

**Thank You!!**

