

World Rice Conference 2009 Oct. 27-29 Cebu, Philippines Shangri-La's Mactan Resort

Will Growing Sub-Saharan African Rice Production Reduce Imports?

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Plan of the presentation



- 1. The Recurring Sub-Saharan (SSA) rice challenge
- 2. Determining factors for promoting rice production development



1. The Recurring Sub-Saharan rice challenge



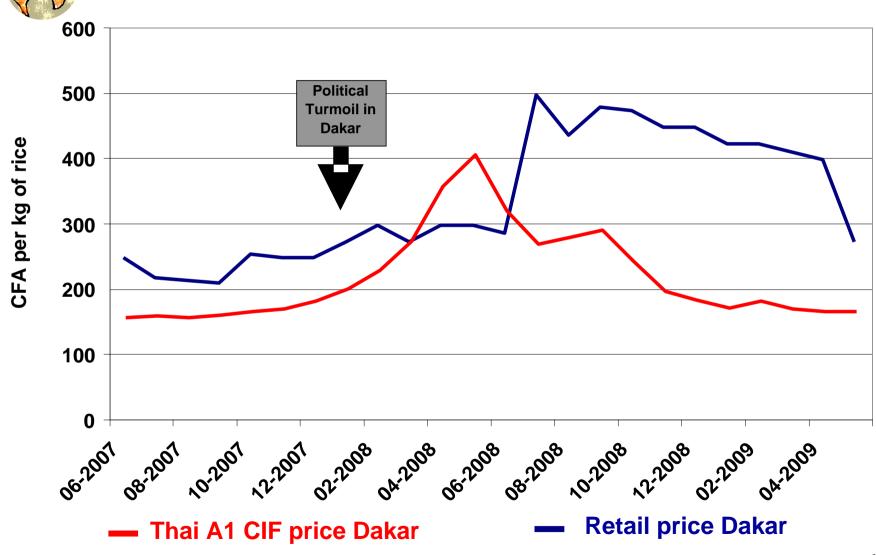
A renewed agenda for rice in SSA

- ☐ Rice price surge put several SSA governments in a difficult political position:
 - Not able to ensure a steady supply of rice at affordable price.
 - Limited capacity to address the issue at short term:
 - Tariff and tax revision
 - Budgetary constraints
- Renewed interest for expanding rice production since rice world market evolutions are unpredictable



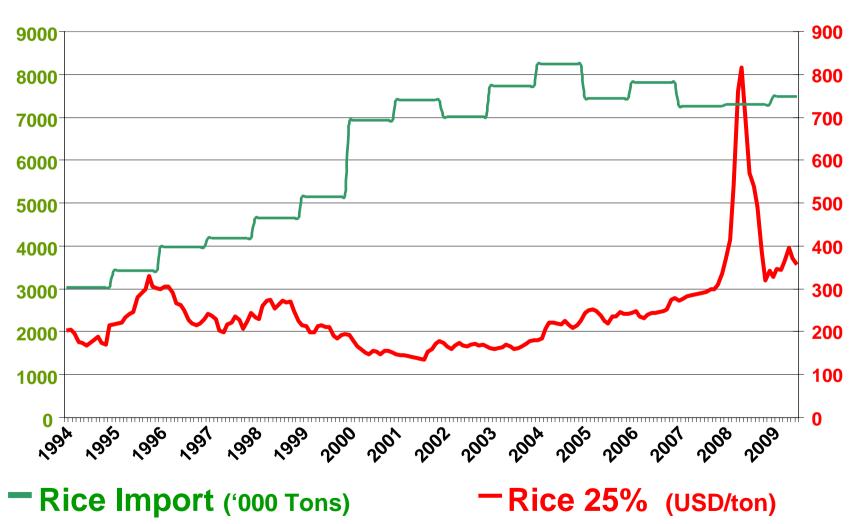
- Social unrests were not necessarily triggered by rice price increase on the world market.
 - Delay in transmission of price
- Several countries had already considered revising their rice trade policy before the price surge:
 - Common Exterior Tariff negotiation within Economic Community of West African Sate

Rice price was not necessarily the triggering factor for political tensions



The end of the cheap rice era?







Supply and demand trends (1990-2007)

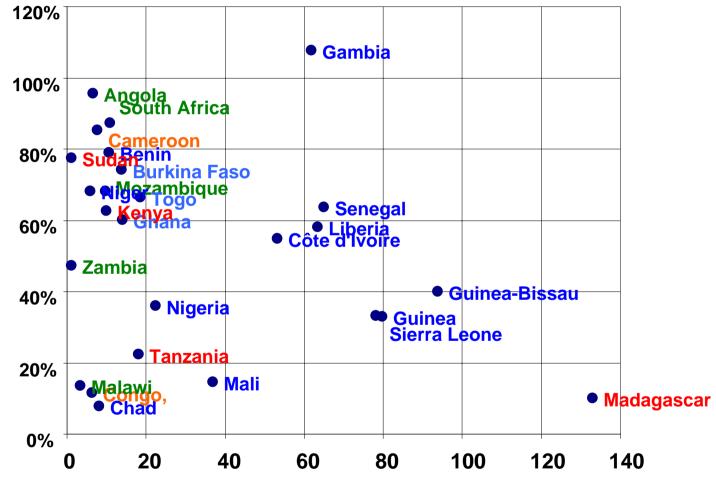
- ☐ Total SSA production increased at 4.8% per year:
 - Mostly because of area expansion: 3.8%
 - Limited contribution of yield increase: 1%
- ☐ Total SSA consumption increased at 5.4% per year due to:
 - Population growth: 2.5%
 - And per capita consumption growth: 2.9%

Emerging markets and import dependency



Import share in total supply

%

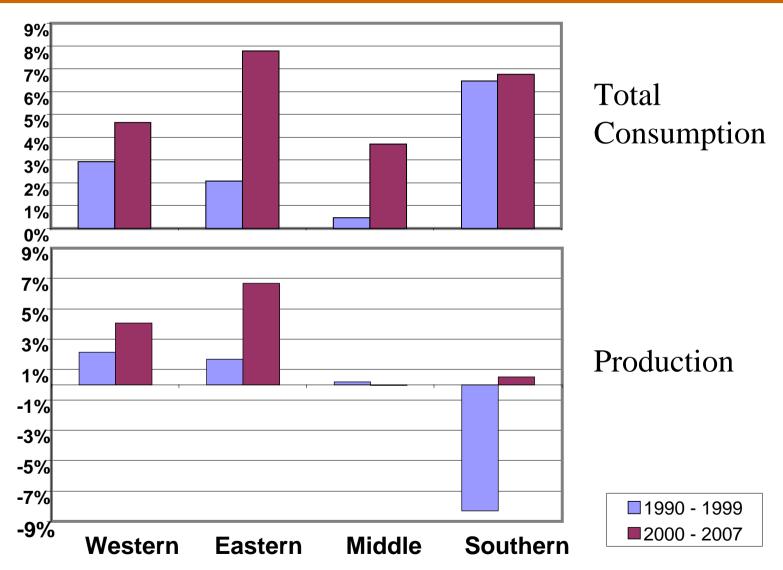


Per capita consumption (kg)

An accelerated rice growth in East Africa, but...



Growth rate

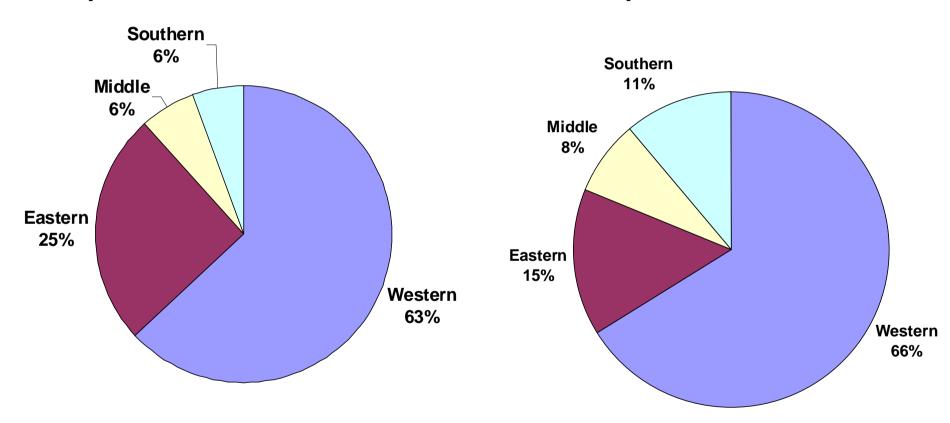






Total production: 14 200 000 tons

Total imports: 7 200 000 tons

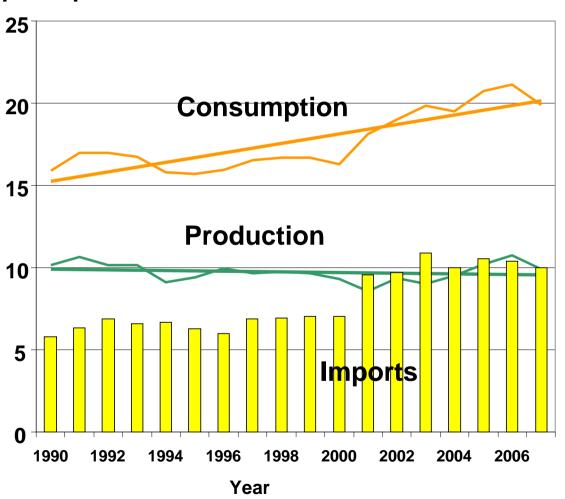


Average values 2000 -2009

FAOSTAT

A widening gap between supply and demand

Kg per capita



→ Projecting the current trend SSA would have to import 16MT of rice by 2019!





- ■Example of CFA devaluation:
 - •Reduction of other staple and side dishes.
- □Substitution with other staples is limited due:
 - to the higher convenience of rice compared to other staples,
 - •unstable supply in urban markets of locally produced staples.
- → Focus should be put on rice domestic supply and diet diversification.



- 1. The Recurring Sub-Saharan rice challenge
- 2. Determining factors for promoting rice production development.

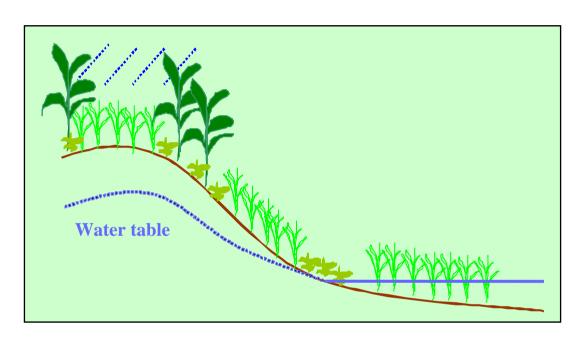


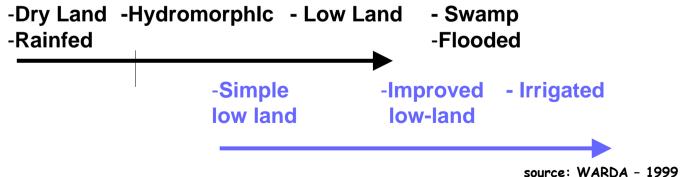
Determining factors for a Sub-Saharan Rice Strategy

- 1. Technology development
- 2. Cost-effectiveness of proposed technical solutions: the macroeconomic setting.
- 3. Institutional changes and enabling environment for building a competitive market for local rice.









source: WARDA - 199



Non-irrigated systems are dominant

West Africa

Agro- ecological zones	Swamp	Flooded	Irrigated	Inland valley	Rainfed	Total
Areas						
Savana and Sahel	0.1%	4.5%	7.5%	1.8%	0.2%	14.1%
Humid	3.1%	3.7%	3.1%	28.3%	47.8%	85.9%
Total	3.2%	8.1%	10.6%	30.1%	48.0%	100.0%
Production						
Savana and Sahel	0.2%	2.7%	20.4%	2.2%	0.1%	25.5%
Humid	3.7%	2.2%	5.6%	34.1%	28.9%	74.5%
Total	3.9%	4.9%	25.9%	36.3%	29.0%	100.0%

Source, WARDA, 1998

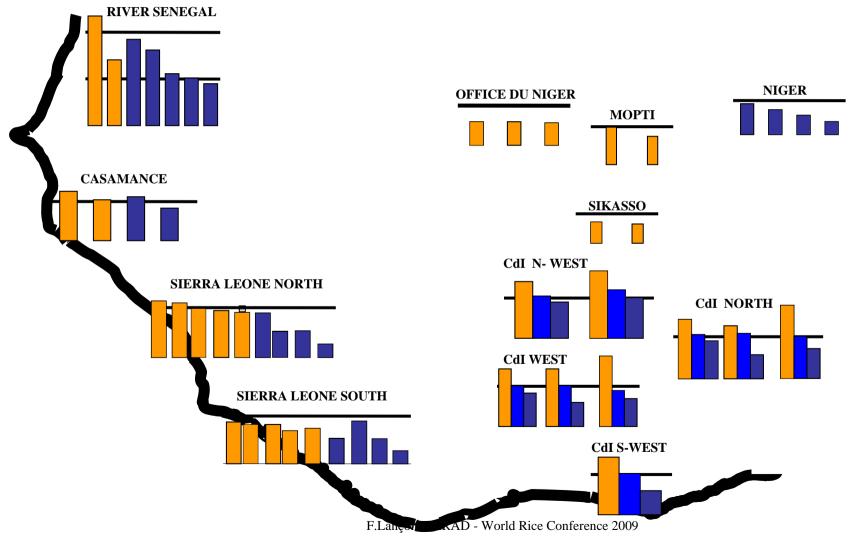


Technology development

- ☐ It is a challenging task (long term)
- ☐ Promising opportunities provided by the dissemination of the NERICA (New Rice for Africa)
- ☐ Other technologies have been developed for improving, pest and crop management.
- → Yet, other determining factors may hindered the SSA countries capacities to benefit from the NERICA

Rice variable comparative advantages across West Africa





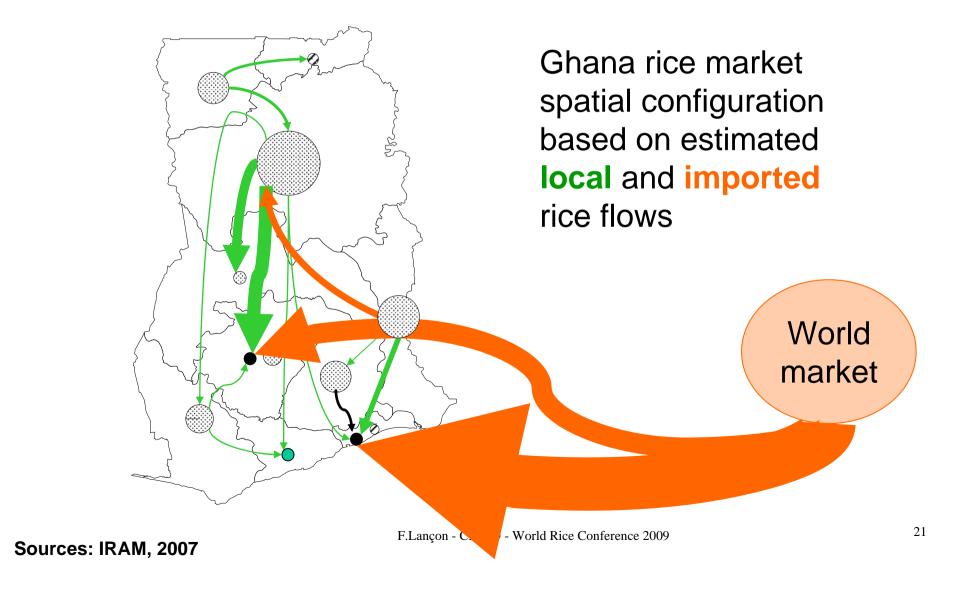


Cost effective technical solution

- □ Largely determined by:
 - Yield achieved
 - Prevailing price on the world market
- ☐ Better prospects for cost-effective technologies
 - Several ecologies are achieving better economic performance.
 - Comparative advantage threshold is about USD 300 to USD 350 per ton of rice, FOB Bangkok.

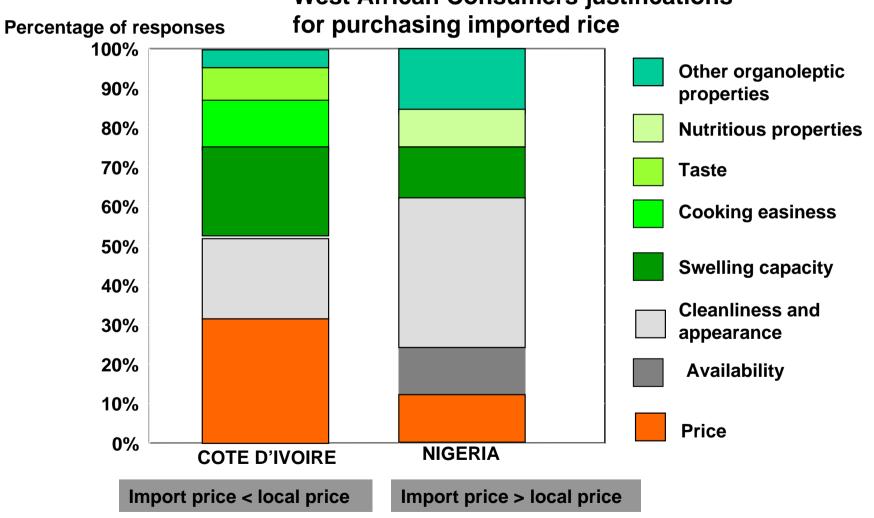


A segmented market: high transportation and transaction costs



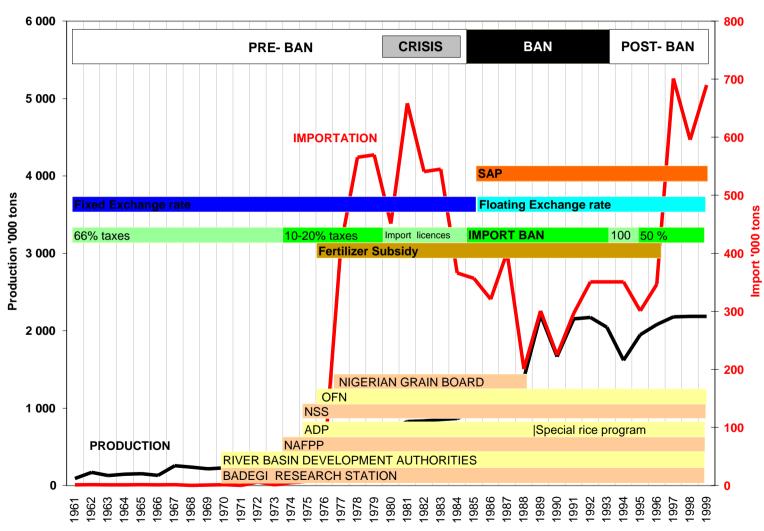
Increasing consumers' awareness for quality

West African Consumers justifications





Unstable political and institutional environment



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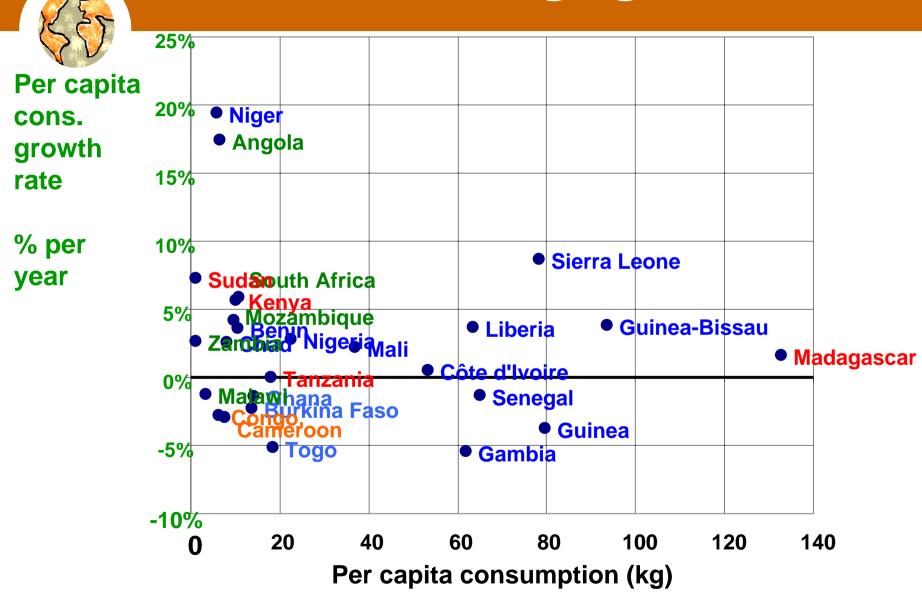
Concluding remarks

- ☐ Rice development in SSA remains a major challenge:
- ☐ Although: (+ + +)
 - Proven and promising technologies have been developed.
 - The macro-economic setting is more favorable than in the past decades
 - Policy makers and donors are more sensitive to the issue
- ☐ Yet: (- -)
 - Weak market linkages and institutions do not provide a competitive hedge to local rice production.
 - Quick technical integrated solution such as large scale agroindustrial rice scheme might not feasible or sustainable
 - It requires a long term commitment from decision makers.
- → If consumption expand at the same pace, stabilizing rice import volume would be an significant achievement.



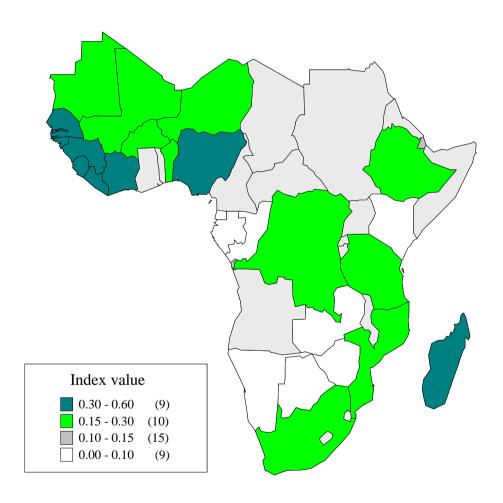
Thank you

Mature and emerging markets









source: WARDA - 2001



'000 tons

Diversity at a regional scale

