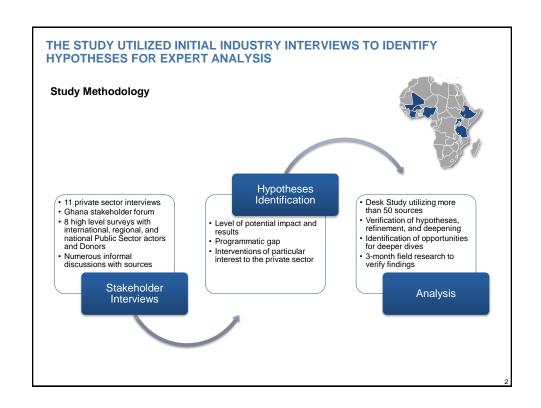


# Overview of the Rice Value Chain in Burkina Faso, Ghana, Nigeria, and Tanzania

September 18th, 2012

Richard Rogers





#### HOW SIGNIFICANT IS THE OPPORTUNITY TO IMPROVE SMALLHOLDER LIVELIHOODS VIA RICE IMPORT SUBSTITUTION?

- Over the past decade, rice has become the fastest growing food commodity in SSA. Over the next 8 to 10 years, it is expected that steady growth will continue, notably in West African BMGF focus countries with large scale import markets: Ghana & Nigeria.
- Increasingly, African urban consumers are relying on rice for calorie intake. This makes rice a strategic crop from availability & price standpoints, given that a substantial part of African household income is spent for food.
- Rice production contributes to the food supply & livelihoods of an estimated 7 million African farmers. Smallholders chronically underachieve productivity despite more than 500 Government & Donor projects in BMGF countries focusing primarily on yield gains under social based development assistance approaches, in lieu of commercial agriculture approaches.
- Subsequently, there is a huge market not being exploited by African suppliers. Local farmers & processors capturing a portion of the \$5B spent annually on imports should have a significant impact on livelihoods, providing the farmer is competitive.

Scenarios of annual smallholder rural economy increase from rice import substitution in 7 focus countries\*

Million USD revenue from incremental increases in smallholder rice sales

\$110 Medium \$165

Scenario Import Replacement:

10%

Low

\$55

20%

30%

High

#### WE SELECTED GHANA, NIGERIA, BURKINA FASO AND TANZANIA FOR A FULLER VALUE CHAIN ASSESSMENT

Criteria for selecting countries for fuller value chain assessments

There is a significant urban consumer import substitution market

There are commercial farmers/processors and smallholder communities (ideally linked with rice inter-professional organizations) willing and interested to work and innovate together

There is existing water management infrastructure or systems apt for commercial rice farming (or investments in the short-term pipeline for such)

There is existing processing capacity or investments in the shortterm pipeline for such

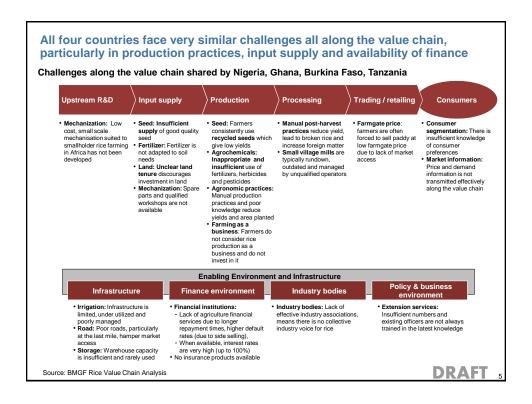
National **policy** is supportive of import substitution

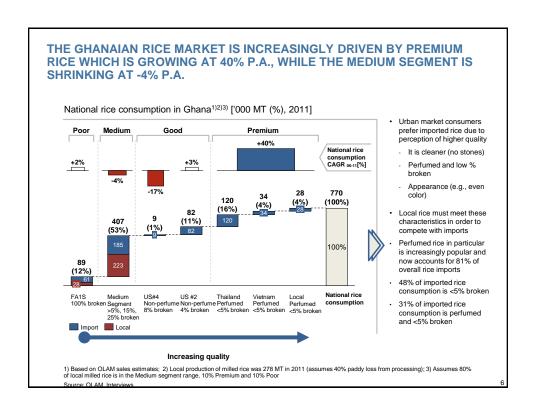
The country (at least rice growing area in the country) is politically stable

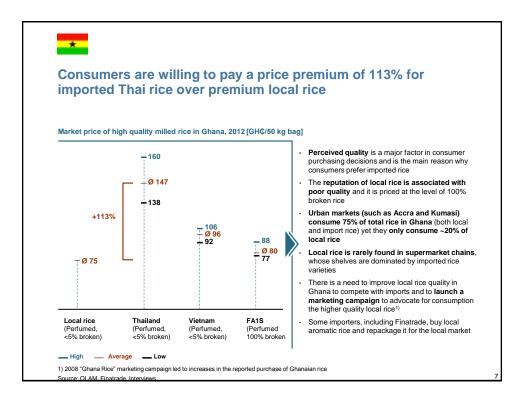
Source: BMGF analysis

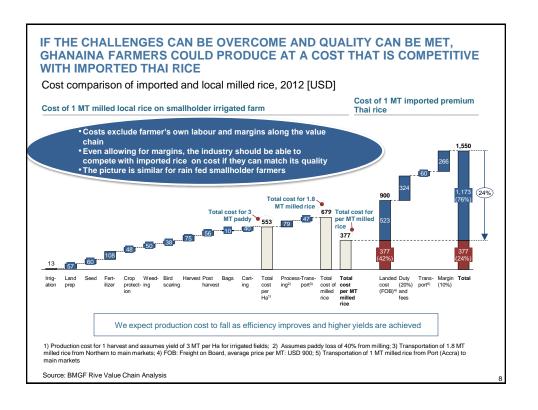
- Selected countries
  - Ghana
  - Nigeria
  - · Burkina Faso
  - Tanzania
- Mali deselected at the last minute due to political instability

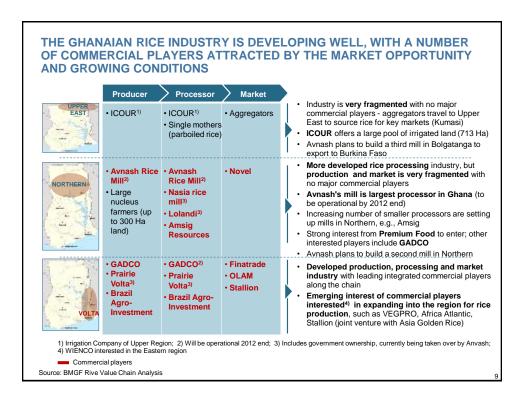
Assumes import replacement of between 10 and 30% and smallholder produces 50% of that replacement volume; see Annex 2 in Appendix for further assumptions
Source: Africa Rice, Author's analysis of COMTRADE, USAD, FAOSTAT statistics

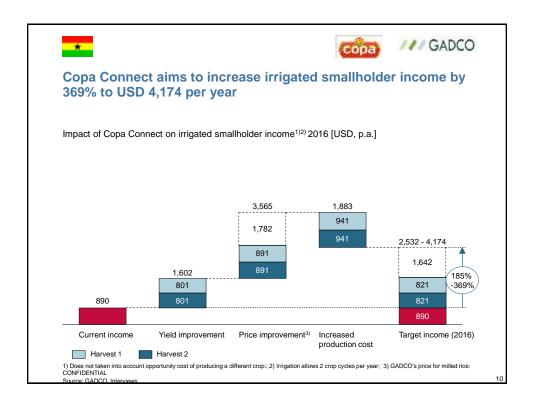


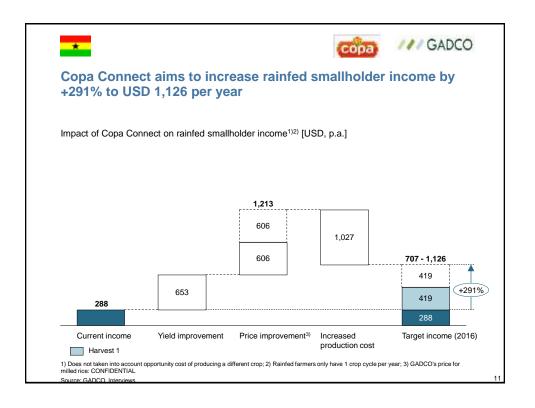


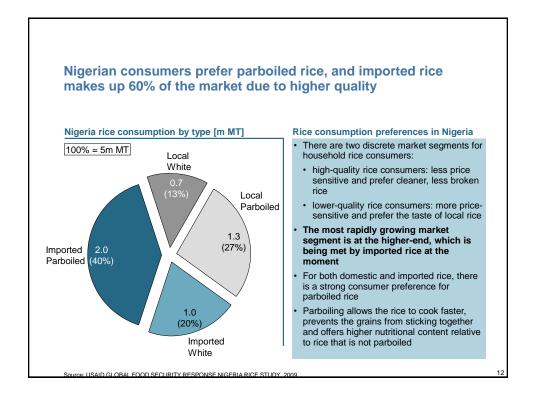


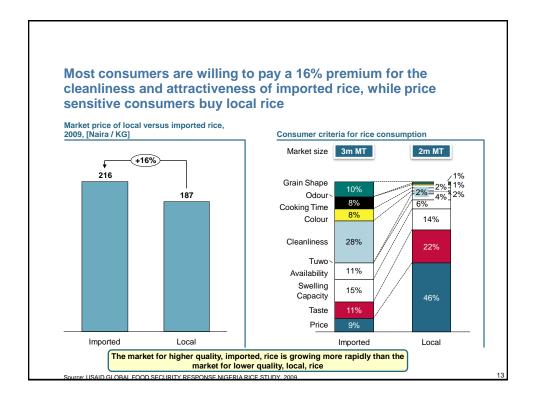


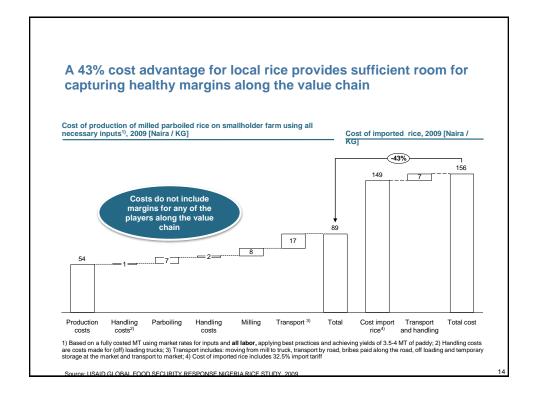






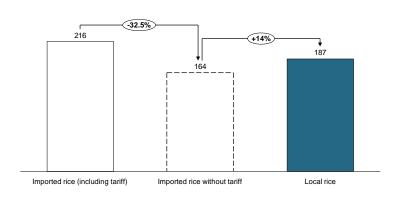








Price comparison of domestic and imported rice, 2009 [N / KG]

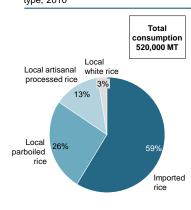


Source: LISAID GLOBAL FOOD SECLIPITY RESPONSE NIGERIA RICE STUDY 2000

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## IN BURKINA FASO, LOCAL RICE CANNOT COMPETE WITH VERY LOW QUALITY IMPORTED RICE, ESPECIALLY AS THE IMPORTED RICE ABSORBS 25%-30% MORE MOISTURE, MAKING ITS COOKED PRICE EVEN LOWER

Burkina Faso annual rice consumption per type, 2010



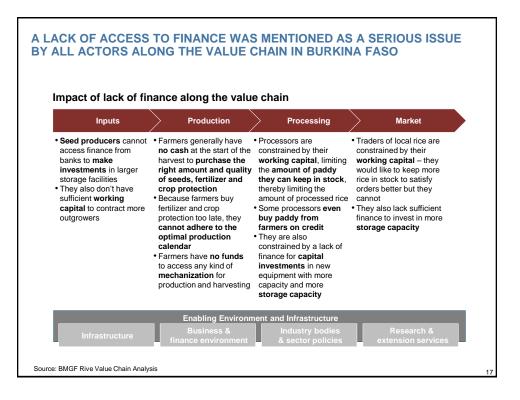
Types of rice in Burkina Faso

#### Imported rice

- The majority is over-aged buffer stock from Asia, it is therefore very dry
- Preferred for its taste and because it increases volume on cooking by 25%-30% more than fresh local rice (as it is dry)
- Imported by large traders and is most easily accessible for the urban consumers in Bobo and Ouagadougou
- Local parboiled rice
- Processed and marketed in local markets by women groups
- The majority of parboiled rice is eaten in rural areas preference there because fewer impurities than local white
- Rural communities combine parboiled rice with many dishes
- Rural communities combine parboiled rice with many dishes
   Urban consumers only eat it with the dish 'riz graz'
- Local artisanal processed rice
- White rice that is processed on the side of the field and consumed by the smallholder and his/her family
- Local white rice
- Traded by some larger traders and is difficult to come by
- Quality is poor, the price is high
- In addition, it absorbs less water on cooking than imported rice, giving 25%-30% less volume per kg of milled rice (implying a 25%-30% higher price to consumers)

Source: Direction de la Prospective a des statistiques Agricoles a Alimentaire, STRATEGIE NATIONALE DE DEVELOPPEMENT DE LA RIZICULTURE, FTIDE DE MARCHE SUR LE RIZ LOCAL by IntermonOxfam-LIMPR-R

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### A CHALLENGING BUSINESS ENVIRONMENT MAKES IT VERY DIFFICULT TO DO BUSINESS IN BURKINA FASO, HOLDING BACK THE RICE INDUSTRY

#### World Bank doing business ranking of Sub-Saharan Africa: selected countries

#### **RANK** COUNTRY Mauritius 1 5 Ghana Zambia 7 Ethiopia 10 Burkina Faso 12 Uganda ranks #150 on Global list - below 14 Tanzania Iran, Tajikistan and the West 15 Nigeria Bank & Gaza 22 Mali **Burkina Faso** 24 26 Senegal 34 Côte d'Ivoire 38 Niger 46 Chad

#### Comments

- Burkina Faso scores particularly low on the dimensions Electricity, Protecting Investors, Paying Taxes and Trading Across Border
- There is anecdotal evidence of multiple investors in the agricultural sector who decided not to invest in Burkina Faso after initial research, reasons quoted are:
  - No physical access to the relevant legislation documents
  - No clarity around which GoBF bodies are responsible for what rules and regulations
  - General lack of clarity in various business rules and regulations (e.g., export, labour, land ownership)

Source: World Bank 'Doing Business' ranking 2012, interviews

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