

## Mozambique's Natural Resource Boom

# What potential impacts on the competitiveness of Mozambique's Rice industry?





Despite favorable agro-ecological conditions, **Mozambique depends on imports** for two-thirds of total rice consumption





Rice production in Mozambique is heavily dependent on water and labor availability



### Rice production is heavily dependent on water availability



Production in Gaza is carried out in large irrigation perimeters managed by public institutions (water charged at flat fee of MZN 800/ha)

Small-scale irrigation perimeters managed by water users' associations predominate in other rice producing provinces

### Farmers acquire seed from both public and private outlets



Producers typically use local, drought-tolerant seed varieties with production cycles of 5 to 6 months and yield potential of 2.5 tons/ha

Efforts are in place to increase the use of improved, shorter cycle, high-yielding varieties that allow for 2 annual crop cycles (doubling yields to 6 tons/ha)

#### Rice cultivation is labor intensive



Labor constraints (insufficient labor for large scale production) have been identified in certain regions



#### Milling (processing)

#### Milling capacity installed in several locations



Low capacity utilization due to insufficient paddy supply

Average milling ratio is 67% (a respectable ratio)

Most rice produced by smallholders in Zambezia is processed at home (using traditional methods)

Both Gaza and Zambezia have two existing rice milling factories

#### Milling Ratio (% of processed rice obtained from paddy)





Mozambique

Asia (best practice)



Competitiveness of Mozambique's rice industry is negatively affected by poor practices and inefficiencies at farm and post-farm level



30MZN/\$ and 4 tons/ha)		
Gross Revenue (Metical/ton)	14,219	Rice production in Mozambique is
Profit (Metical/ton)	(5,828)	unpromable
Cost-benefit ratio	1.41	



# Mozambique's rice industry would be seriously affected by Dutch Disease

One of the potential effects of Mozambique's impending resource boom is an appreciation of the Metical (one consequence of the a phenomenon known as "Dutch Disease")



This means domestic buyers would need fewer Metical to buy the same amount of imported rice

This would result in a loss of competiveness of Mozambican rice relative to rice imported from countries where currencies have not undergone a similar appreciation





A doubling of yields could make the Mozambican rice industry profitable and competitive

4 steps to improving competitiveness of the Mozambican rice industry







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