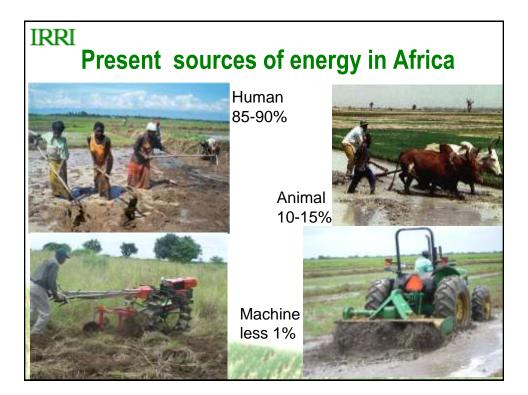


IRRI

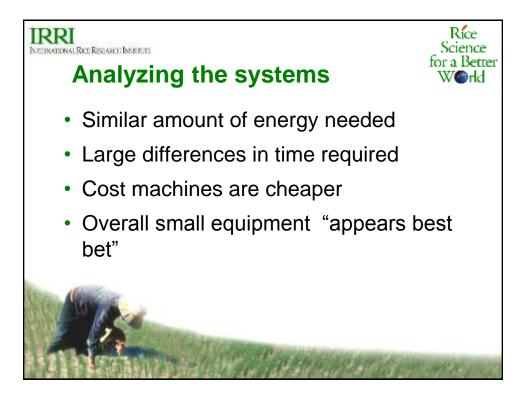
CARD 7th Steering Committee meeting Sierra Leone 2011

- To achieve CARDs goals, an environment must be developed that will support Private Sector Involvement in expanding rice production
- Mechanization to become the focus of a pilot program

IRRI How much more power /energy will be required to double production Conservative estimate –need to add another 3-4 million kW



IRRI Comparing the Systems			
	Energy (MJ/ha)	Time (days/ha)	Total Cost (\$/ha)
Human	7500	420	850
Animal + human	8000	160	450
Small machine	7000	80	300
Large machine	9000	<2	350



IRRI Putting power requirements into perspective

- 1 kW power to produce 5 tons grain
- 1kW power to farm 2-3ha
- 1kW power cost \$300-350
- Total cost per ha will be similar for small or large equipment as long as it is CORRECTLY MATCHED to the area and type of farm

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IRRI The historical problem is easy to see



IRRI

The solution is a lot more complex

- Government policies and support- tax, customs, accreditation bodies
- Local dealerships supported by multinational companies
- Suitable longer term credit systems
- Technical training institutes functional

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- Trained operators and mechanics
 - Tested and matched equipment



