

## CARD pilot seed initiative



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Deputy Director General  
International Rice Congress - CARD lunch time side event  
Bangkok, Thailand, 29 October



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## Contents

- Will we reach the **CARD** objective by 2018?
- Rice breeding activities feeding into CARD
- CARD pilot seed initiative
- Conclusions

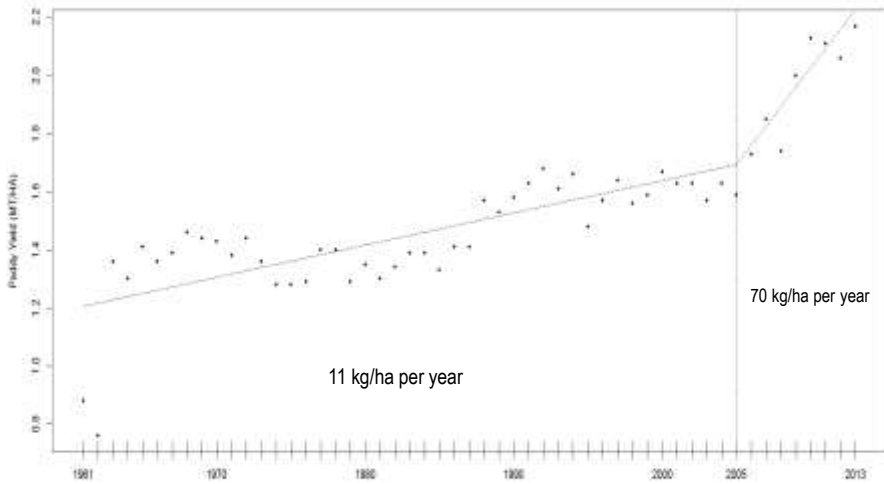


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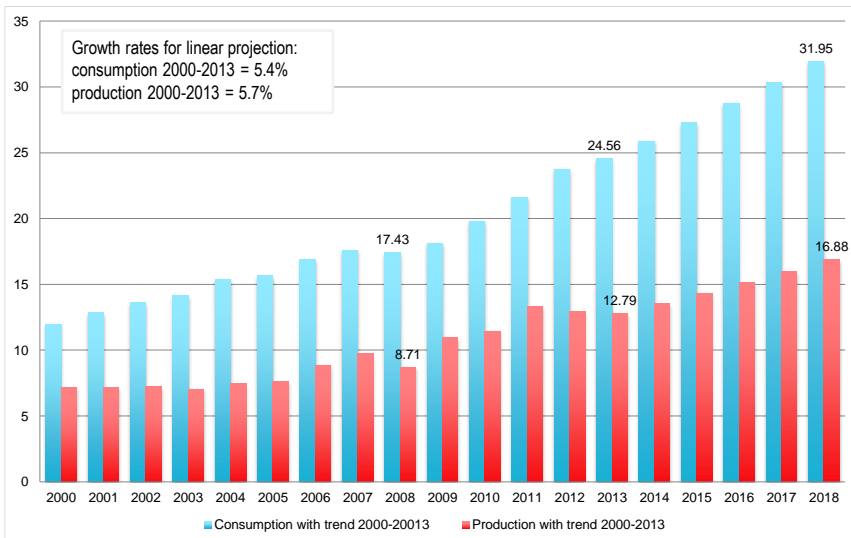
### Average rice yields in SSA jump by 36% from 2005 to 2013



Source of data: United States Department of Agriculture (<http://www.fas.usda.gov/psdonline/psdQuery.aspx>), accessed October 12, 2014



### Production increasing but consumption as well...



Source of data: United States Department of Agriculture (<http://www.fas.usda.gov/psdonline/psdQuery.aspx>), accessed October 12, 2014



## Recent yield growth analysis (Saito et al., accepted)

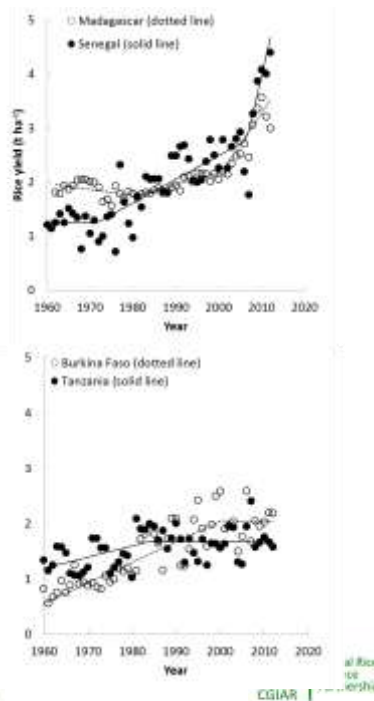
- From  $-92$  to  $347$  kg ha<sup>-1</sup> year<sup>-1</sup> in 24 countries
- 74% of rice area in Africa with  $>35$  kg ha<sup>-1</sup> year<sup>-1</sup>

### 3 key determinants:

- Number of rice varieties released/adopted (2001-10)
- Share of irrigated rice area
- Consumption level



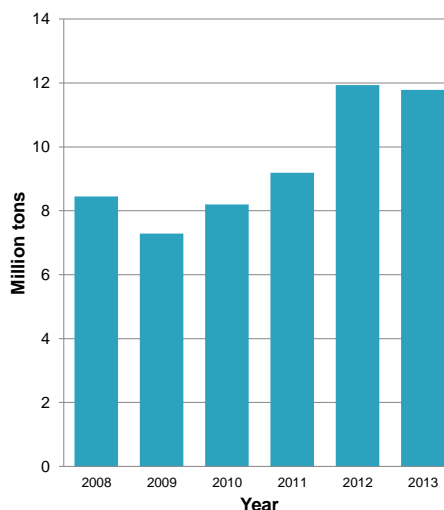
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## Imports

- Rice imports into sub Sahara Africa showed signs of stabilization at about 8 million tons in average before 2010;
- But resurgence of high rice imports since 2011;



Source of data: United States Department of Agriculture  
(<http://www.fas.usda.gov/psdonline/psdQuery.aspx>), accessed October 12, 2014



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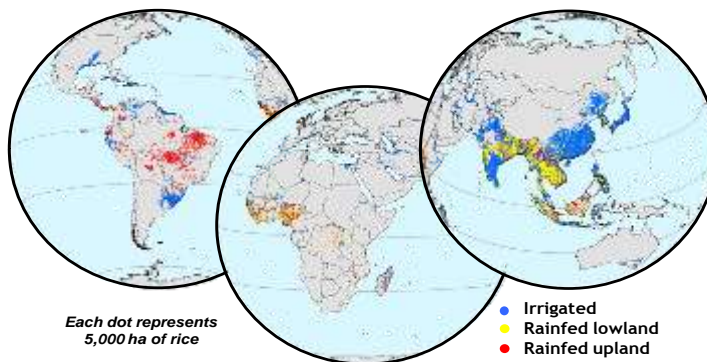


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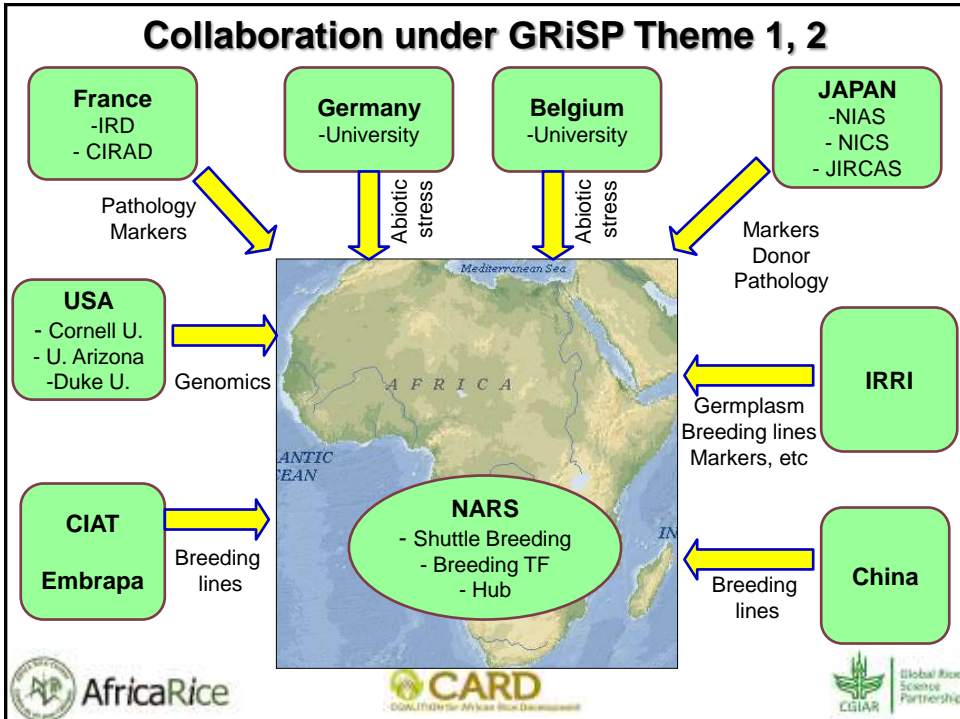
An evolving alliance of IRRI, AfricaRice & CIAT  
with Cirad, IRD, JIRCAS and hundreds of research and  
development partners worldwide

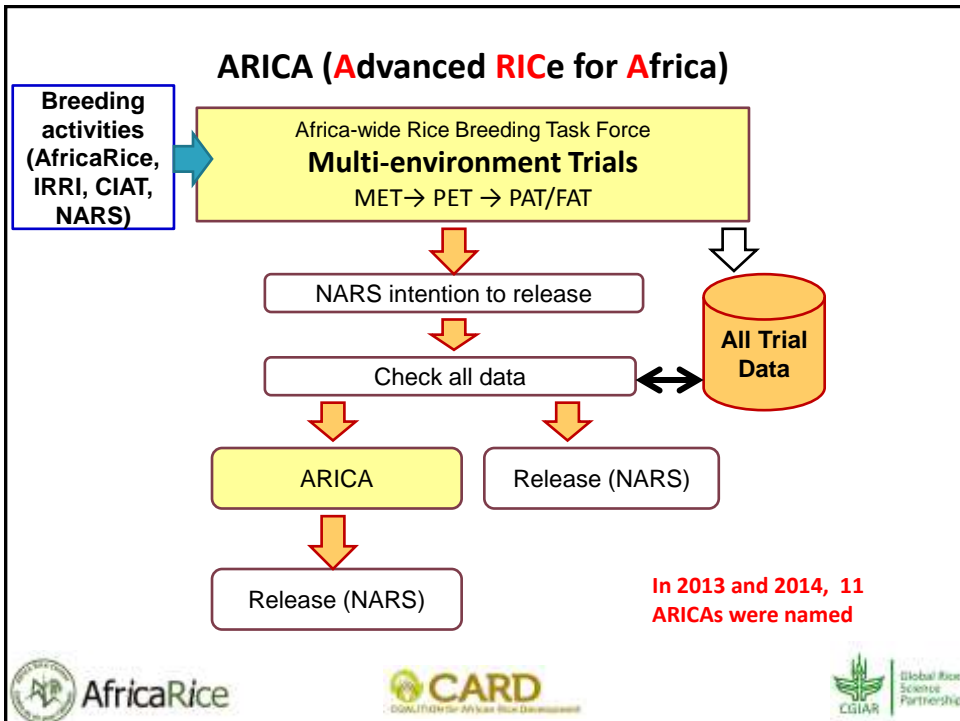
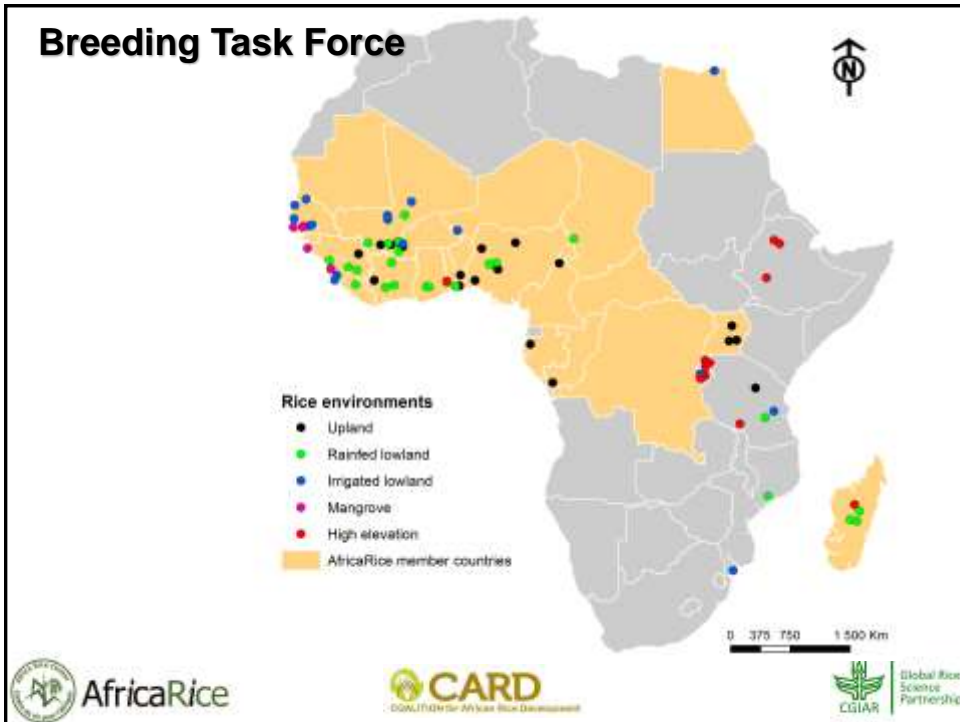


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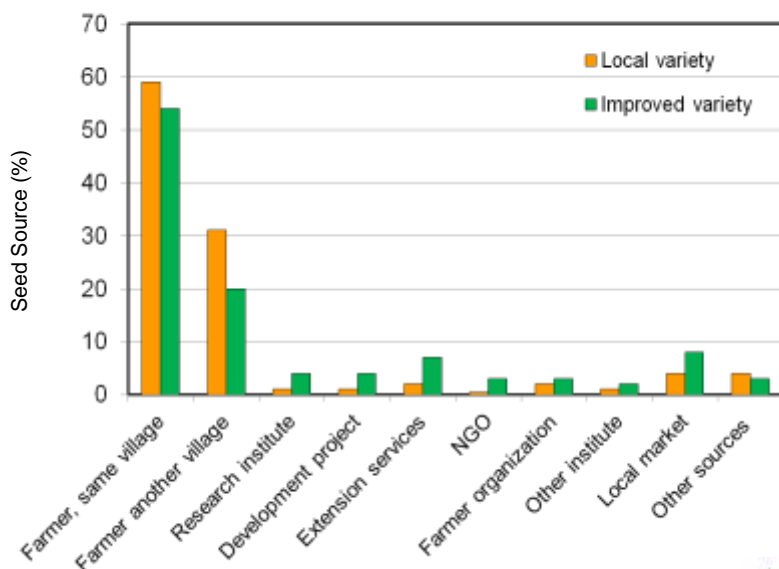
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## Where are rice farmers in Africa getting their seeds?

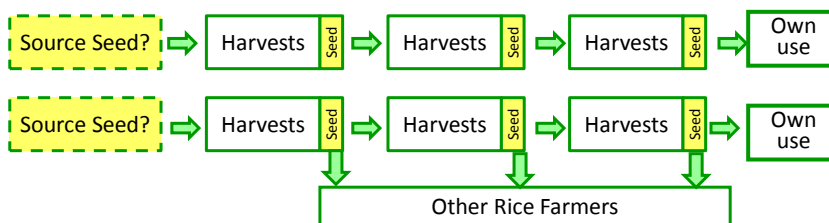


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## Informal seed system is predominant in Africa

- Informal seed system



- Formal seed system



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## Other general observations

- Seed planning at regional and country level lacking
- Lack of capacity to produce quality seed (breeder – foundation – certified)
- Equipment for seed inspection lacking
- Numbers and capacity of seed inspectors very low
- Lack of private sector involvement



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## CARD pilot seed initiative

### Background

- Development of the rice seed sector is a top priority in the national rice development strategies developed through CARD

### Approach

- Development of rice seed road maps in each country
- Development of country-specific investment plans to implement the seed road maps

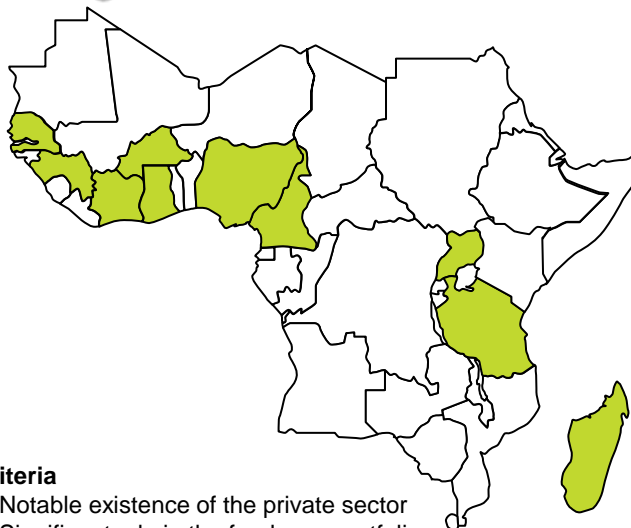


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## Target Countries

- Burkina Faso
- Cameroon
- Cote d'Ivoire
- Ghana
- Guinea
- Madagascar
- Nigeria
- Senegal
- Tanzania
- Uganda

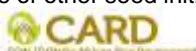


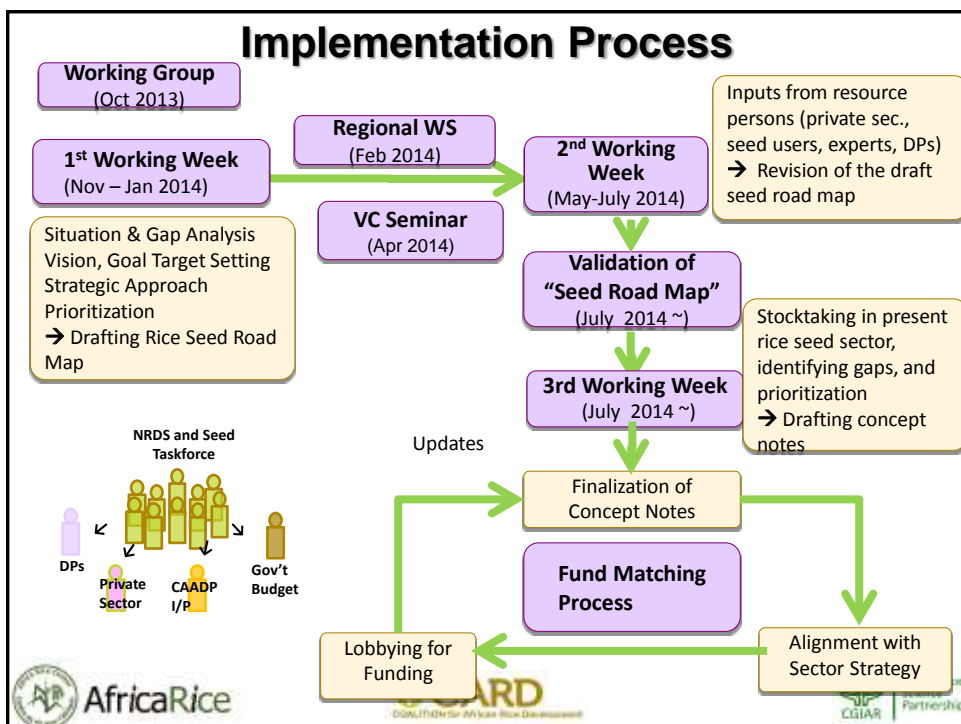
### Criteria

1. Notable existence of the private sector
2. Significant role in the food crop portfolio
3. Significant role as a cash crop in the economy
4. Existence of other seed initiatives



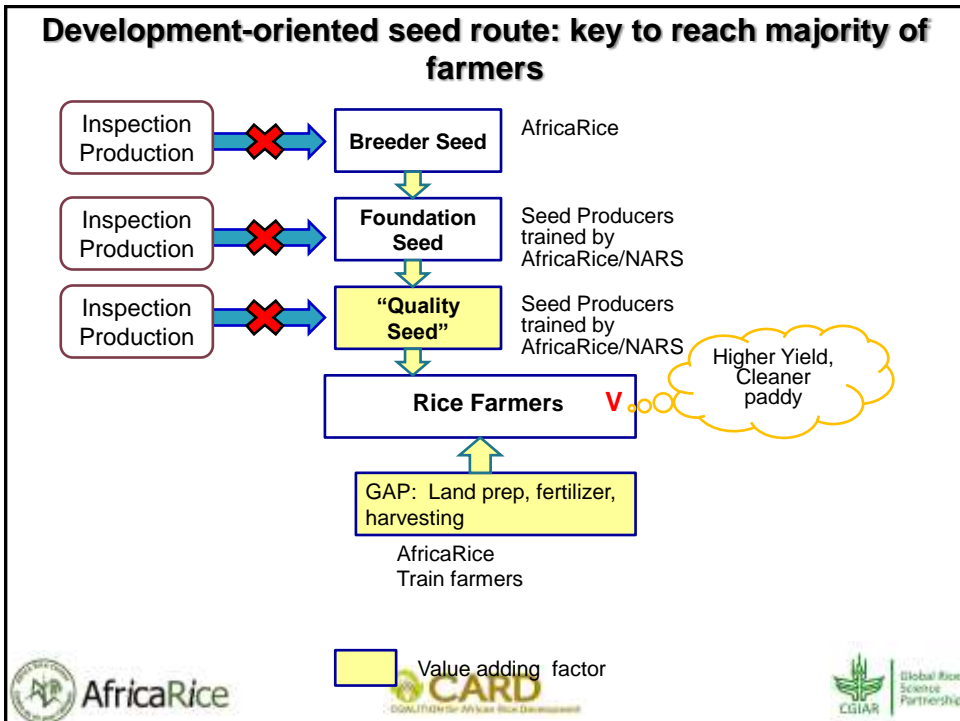
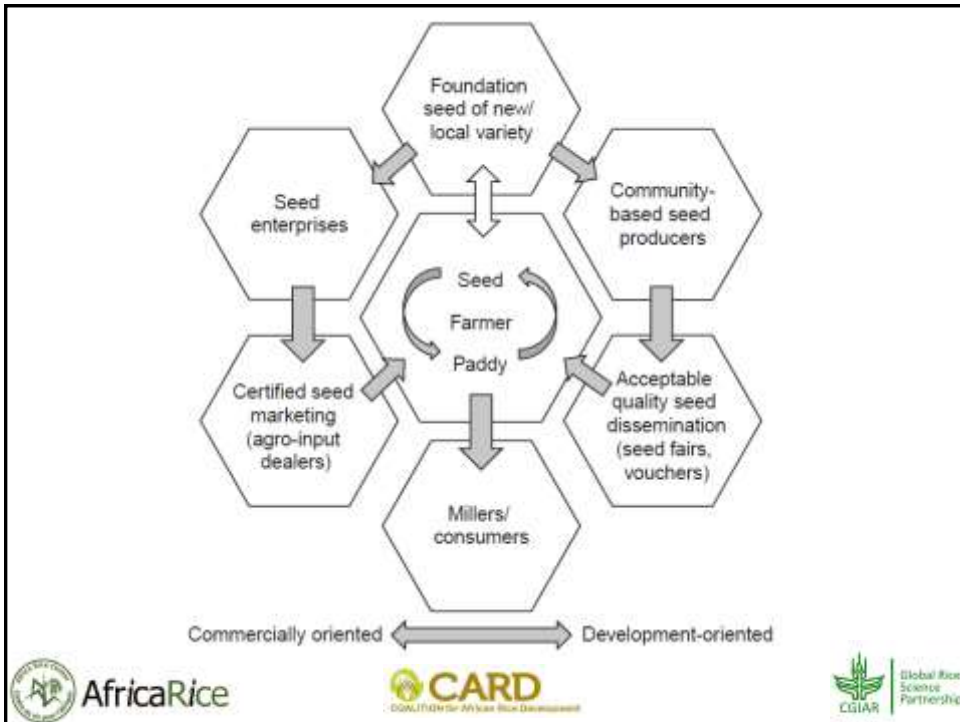
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## Japan Emergency Initiative: seeds delivered to >100,000 vulnerable farmers in 2014

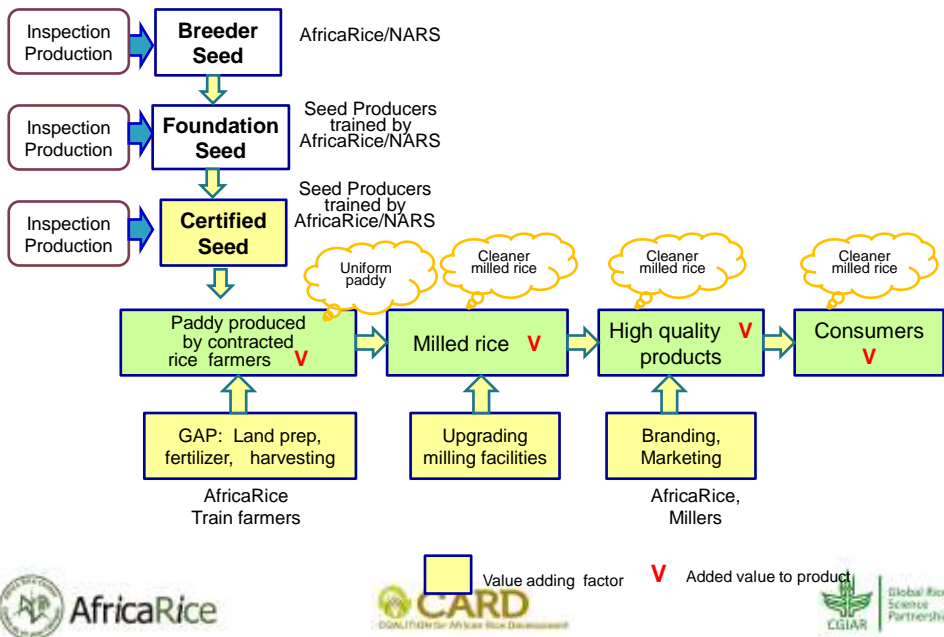


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## Commercially-oriented seed route: emerging



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## Aromatic rice selling in Dakar



**Thank you**

