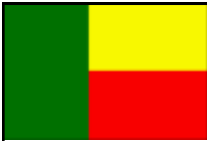




ACTION PLAN

Breeding, Multiplication and delivery
of qualified rice seed
in Benin Republic



Outline

- Background of seed production and related problems
- Actions and ways to overcome identified problems
- Human resources
- Financial resources
- Organisation to be involved

1. Background of seed production

Two systems provide seed to farmers

Modernized

Traditional

Research center
(NARI, AfricaRice)
produce
foundation seed
and registered
seed)

Some farmers are trained to produce certified seed (mostly with support from project)

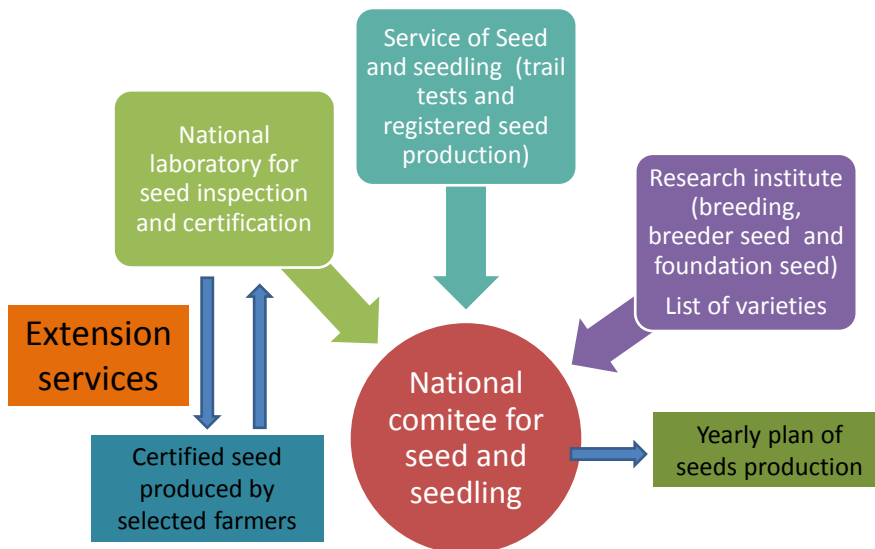
On the irrigated schemes farmers are organized to produce their own seed on reserved land

There are organisations in charge of on farm control (DAGRI) and certification of seed (DPQC)

Farmers keep the own seed from haversted rice

Exchange among themselves or by but in local market

1. Process is on-going for arrangement of seed production system since 2007



1. Target production of certified seed according to NRDS

Years		2008	2013	2018
Planted area (ha)	Irrigated	3 000	12 000	14 000
	Rainfed	20 000	53 000	54 000
	Upland	10 000	52 000	70 000
	Total	33 000	117 000	138 000
Rice Seed (tons)	Irrigated	-	720	840
	Rainfed	-	3 180	3 240
	Upland	-	3 120	4 200
	Total	-	7 000	8 300

1. Problems related to seed production

- Seed board is set-down but is not working wet
- NARI doesn't conduct Seed breeding activities
- Seed production is supported by project = non continuous production
- Farmers producing certified seed are not organised
- Lack of facility and equipment for seed processing, packaging and storage (the existed ones need to be rehabilitated)

2. Actions to overcome the identified problems

- a) Strengthen the seed board and make it operational
- b) Strengthen the NARI capacity for seed breeding activities
- c) Capacity building for farmers involved in certified seed production
- d) Develop facilities and equipment for seed processing, packaging and storage

Way to implemente the proposed actions

N°	What to do?
a) Seed board	<ul style="list-style-type: none"> -Provide budget for meeting other all related activities - Set-up a National Fund for Seed production
b) NARI	<ul style="list-style-type: none"> -Train the staff on subject related to breeding and multiplication of different type of seed (breeder – foundation – registered ...) - Provide equipment and facilities for breeding and seed multiplication - Provide sufficient budget to undertake seed breeding and seed multiplication
c) Farmers	<ul style="list-style-type: none"> - Establish and popularize the condition to fulfill for being certified seed producer - Organize certified seed producer per region and at national level, train them on seed production technics - Sensibilise all farmers on the advantages of using certified seed
d) Facilities and equipment	<ul style="list-style-type: none"> -Construct facilities and acquire equipments for seed processing, packaging and storage in each of the six regions in the Country -Hire technicians and train them on the operation, the management and the maintenance of those equipments

3. Human resources

Profil	2013	2018
Researchers (PhD)	10	15
Agric Engineer	30	35
Technicians	30	40
Extension workers	100	500
Administrative staff	-	-

4. Financial resources

- The financial resources (whose amount is not calculated right now) necessary to implemente the above mentioned action will be provided by:
 - Gouvernement
 - Technical and Financial Partners (to be found)

5. Organization to be involved

- Governemental organization
 - National level: National Agricultural Research Institute (NARI), Crops Office (DAGRI) Seed inspection and certification office (DPQC)
 - Locale level: experiment station, extension service
- Farmers organization
- Technical and financial partners

