

The Role of the Institut Senegalais de Recherche Agricole (ISRA) in Mainstreaming of the Science Agenda for Agriculture in Africa

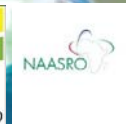


S3A Roll-Out Meeting

May 10, 2017

Accra, Ghana

By: Dr. Alioune Fall



"Connecting Science" to Transform Agriculture in Africa

Introduction

- **Agriculture contributes about 16% directly to the Gross Domestic Product (GDP) and a further 30% indirectly through linkages with agro-based and associated industries.**
- **Clearly, the sector is the driver of Senegal's economy and livelihood for the majority of the population.**
- **The sector accounts for 60% of the national total exports and provides more than 75% of informal employment in the rural areas.**

Overview of ISRA

- **ISRA was created in 1974 to lead the agricultural research agenda in Senegal**
- **Focus on : crops, livestock, forestry, fisheries, socio-economic policies, seed production, veterinary vaccines production**
- **The Organization consists of the Board of Directors in which the management of the organization vests and a Scientific and Technical Committee**
- **ISRA has established 16 national and regional research centers and laboratories corresponding to the 6 agro-ecological zones of Senegal**

ISRA's mandate is to:

- 1. Generate technologies and scientific knowledge in addition of co-ordinating agricultural research at the national level**
- 2. Build capacity of trained young researchers to do effective and applied research (Masters, PhD**
- 3. Foster scientific partnership at the national, sub-regional, regional and international**
- 4. Support agri-business activities through business plans elaboration and implementation**



ISRA 16 Research Units

Livestock Research Units	Crops Research Units	Cross-cutting Research Units
1. Animal production (dairy and meat)	1. Food Crops (rice and cereals)	1. Drought resilience
2. Animal health	2. Cash crops (groundnuts, cotton)	2. Micro-Bio Technology
3. Animal feed	3. Neglected Crops (fonio)	3. Tissue culture
4. Veterinary vaccines	4. Seed production	4. Genetic Resources
		5. Mechanization
		6. Intellectual property rights



ISRA 16 Research Units

Forestry Research Unit	Fishery Research Unit	Socio-Economic Research Unit
1. Agro-forestry	1. Fisheries resources assessment	1. Ag. Policies, institutions and markets
2. Forestry management	2. Traditional fishery management	2. Monitoring, Evaluation and Impact assessment
3. Forestry Fruits domestication	3. Aquaculture	3. Family farms systems
4. Climate change	4. Fishery product processing	4. Value chain and Innovation platform approach



Key Result Areas per research unit fitting in the implementation of the S3A

- **Livestock:** Strategies, technologies and innovations for the development and improvement of the livestock products value chains up scaled
- **Crops:** Food and nutrition security achieved
- **Forestry:** Resilience strategies for climate change adaptation and mitigation promoted to small scale farmers
- **Fisheries:** Sustainable fishery management systems put in place and promoted
- **Socio-economic :** Evidenced-based policies recommendations shared among policy-makers and farmers organization

NB: The ISRA strategic plan (2017-2027) is currently being developed.



ISRA Communication Approach through its Marketing unit

- 1. ICT**
 - 2. Brochures**
 - 3. Policy briefs**
 - 4. Flyers**
 - 5. Conferences,**
 - 6. Exhibitions**
 - 7. Books and scientific papers**
 - 8. Feasibility studies**
 - 9. Annual reports**
-

Expectations from CORAF and FARA

- **Capacity building and training**
- **Scientific and Technical support**
- **Networking and advocacy**
- **Technical and financial partnership Regional Staff mobility**
- **Institutional support**

Way Forward

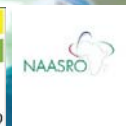
- **Plan and organize a workshop at the national level to sensitize key stakeholders on the S3A (FARA, CORAF and ISRA)**
- **Develop a strategy to engage policy-makers (CORAF and ISRA)**
- **Ensure that the S3A is mainstreamed in the ISRA strategic plan (ISRA)**

MERCI POUR VOTRE
AIMABLE
ATTENTION!



DIEUREDIEUF!!!

DIEUREDIEUF!!!



"Connecting Science" to Transform Agriculture in Africa