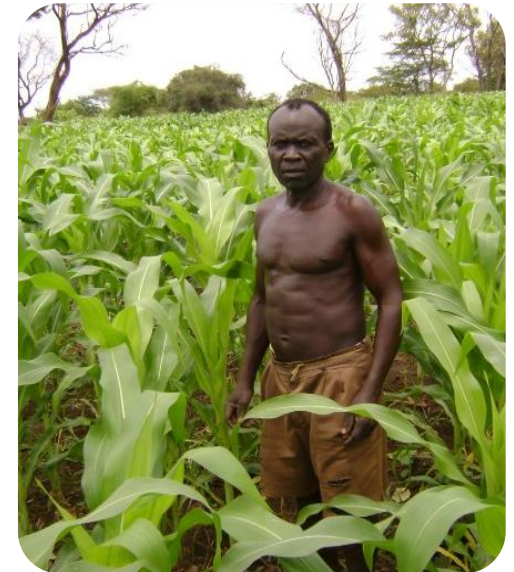




Integrated seed production and supply systems

Juba, South Sudan
June 2022





Outline

- Background
- Main seed sector challenges in SS
- Seed value chain & seed classes
- Seed quality control and certification
- Seed production & supply systems in SS
- Seed marketing strategies
- Collaboration & Partnerships
- Way forward

Background Synopsis

- About of 75 % of population in South Sudan derive their livelihood from agriculture, which is highly affected by climatic variabilities, biotic constrains, conflict, economic hardships .
- Nationally, about 50 000 – 80,000 tons of seed (for five major staple crops - sorghum, maize, cowpea, groundnuts and sesame) are required annually.
- Predominantly, the informal sector contributes about 85% of the seed sources (51% own saved, 21% local market, and 13% Social Network).
- Formal sector is still at an infant stage with less than 10 companies operating at low level (<3000 tons per year), and concentrating in the Equatoria region (1/3 of the country).
- The bulk of certified seed are supplied through humanitarian aid, and significant quantities are imported.

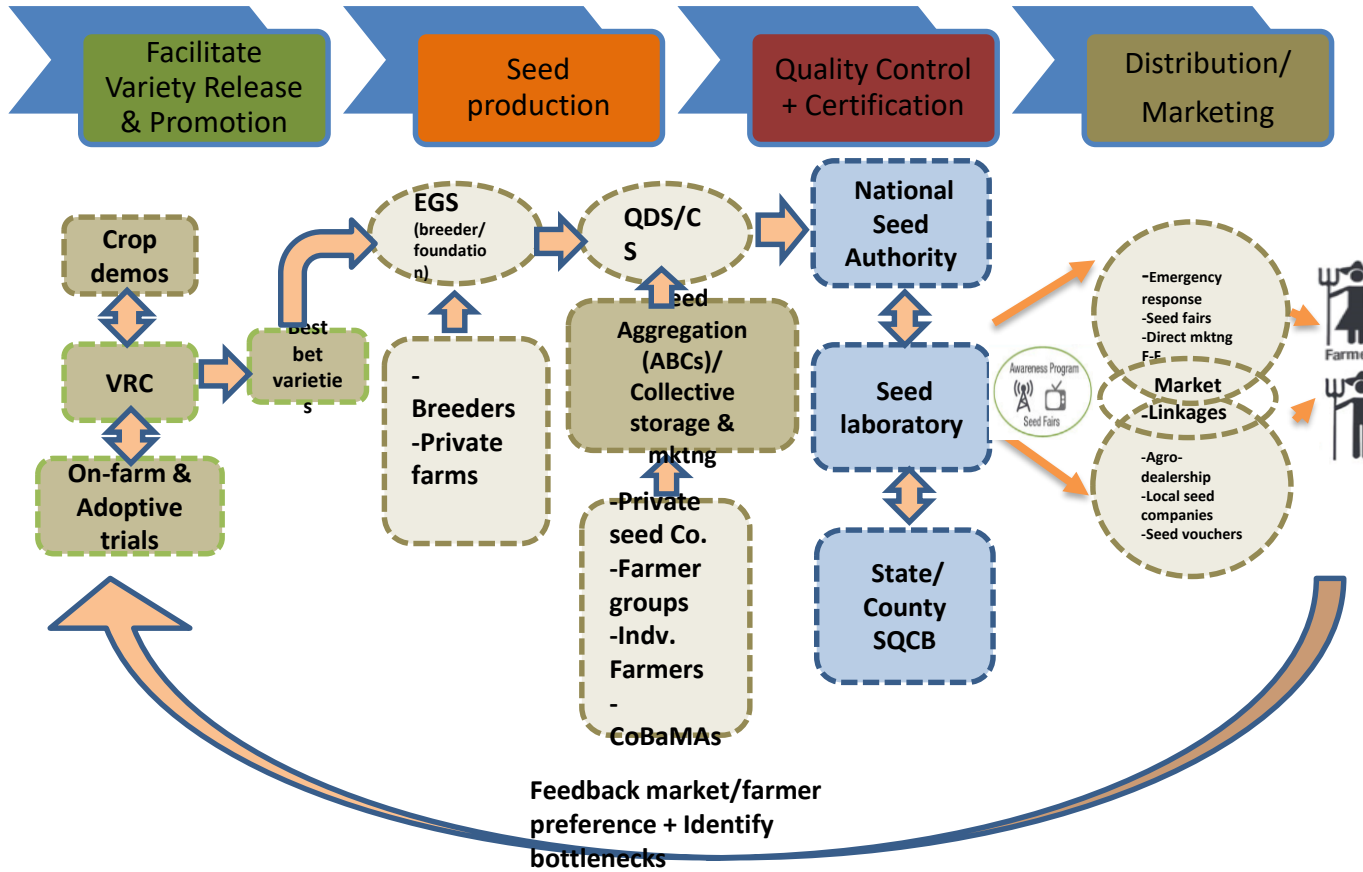


Main Challenges

- i. Limited research to furnish new improved materials that are adapted to diverse agro-ecologies.
 - About 33 new varieties released but most remained the shelf of research
- ii. Low level of production of “quality seed” (<3000 tons per annum) and limited crop and varietal diversity with seed companies.
 - Production by few companies are concentrated in the Greater Equatoria region
- iii. Limited distribution network within the private sector. Most agro-input dealer are in Juba and very few (1-3) in major towns such as Yambio and Torit.
- iv. Seed policy only exist in draft form and there is no legal framework to guide different stakeholders.

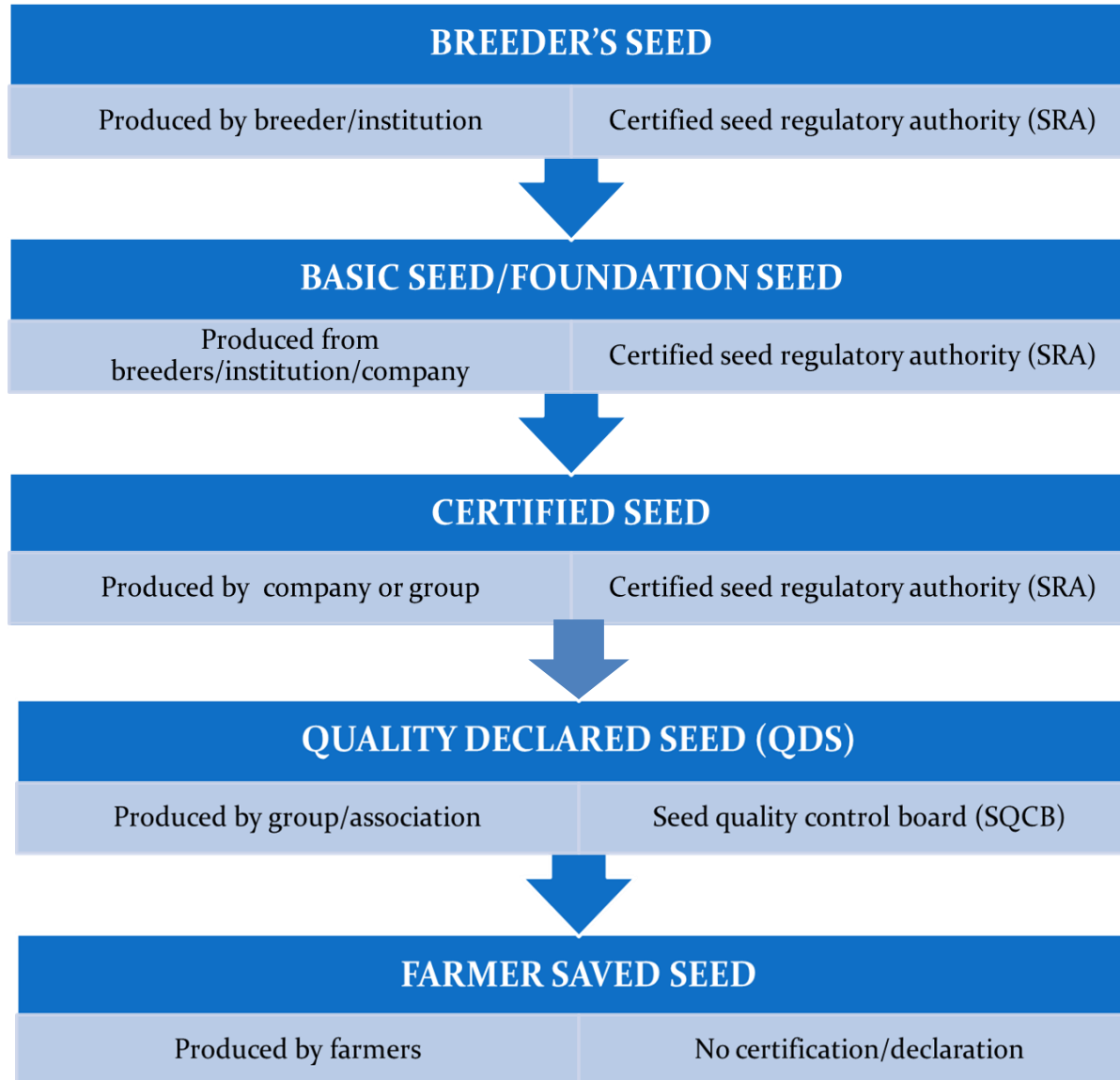


SEED VALUE CHAIN





Seed Classes





Seed Quality Control

- National Seed Regulatory Authority (NSRA)-Absent
- Seed Quality Control Boards (SQCB); Quality Declared Seed (QDS)
 - CAD A/Commissioner (Chairperson)
 - County/Payam extension agents /SMAF
 - Partners NGO/CBO,
 - FAO (Secretary)
 - Progressive seed grower(s)
- Imported/Certified seed; On loading and unloading quality control by international seed inspection company (Baltic/Intertek);
- In-house tests with MAFS & SMOA before distribution





Seed Certification Process





Seed Production Systems

Breeder seed maintenance & foundation seed (FS) production

- Managed by researchers/breeder on-station
- Low volumes of breeder/foundation seed production



Foundation seed production by researchers/breeders in Rejaf/Juba





Public-private partnership in FS production

- Breeder/seed company partnership FS production
- Potential for increased volume of FS



Foundation seed production through public-private partnerships (MAFS breeder & Pro Seed Co.)



Seed out grower models for seed production

- Private seed company and seed out grower contract models
- Seed company provides inputs and services on cost-sharing
- Seed company buys out grower seeds, processes & markets





Community-based seed production systems

- UNFAO and NGO support; provision of foundation seed, tools, equipment, training, quality control (SQCB), community seed stores & market linkages



Women local vegetable seed producer in Wau



Seed Supply Systems

Emergency response

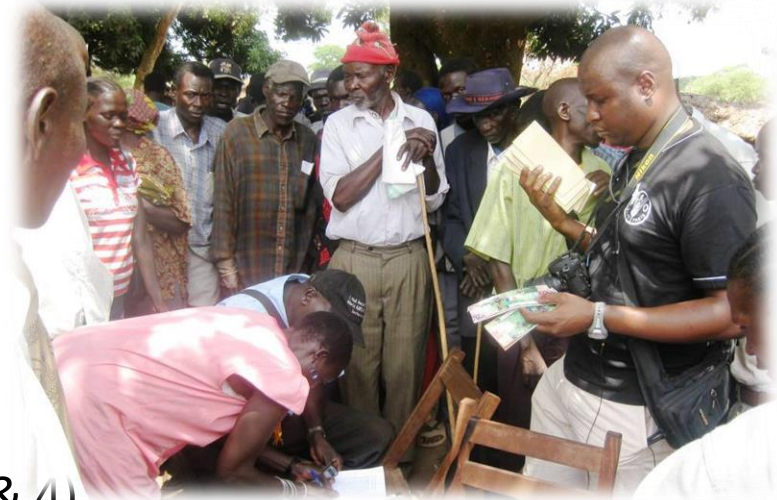
- Procurement and direct distribution of emergency seed kits (assorted crop/vegetable seeds and tools)
 - 65% international sources
 - 35% local suppliers
- Seed fairs – Organized seed market
- Cash for seed – COVID 19 response





Seed Supply Systems Cont..

- Seed Fairs (SF) and Cash for Seed where adequate quality seed of adapted varieties is available.
 - Beneficiaries
 - Household affected by crisis (IPC 3 & 4)
 - Vendors/seed producers
 - Seed companies and
 - FAO CBSPS
 - Progressive farmers





Seed Supply Systems Cont..

Private seed companies & Agro-dealer networks

- Nascent private seed companies concentrated in Equatoria region
- Agro-dealer network not well established; concentrated within Juba
- Largely target humanitarian seed market needs





Seed Supply Systems Cont..

Local markets, own seed, social networks

- Provides timely access to farmer preferred and adapted varieties
- Contributes to 85% of seed sources



Local seed merchant in juba market



Seed Marketing Strategies

- **Seed market research**

What crops, varieties and type of seed farmers want and what price they are willing to pay;

- **Promotion strategies**

- Create awareness and outreach seed extension service; e.g FIPS Small pack demos
- Field demonstrations and field days, Advertising in print and electronic media
- Sales promotion- discounts, free seed envelopes etc





Seed Marketing Strategies

- **Seed distribution**
 - Establish a reliable seed distribution network
 - Seed companies/agro-dealers should have seed types that farmers want in the desired pack sizes
 - Inform farmers through the media where they can get the seed
- **Seed Pricing;**
 - Aim at offering competitive prices
 - Offer discounts on high volume orders





Collaboration & Partnerships

- ✓ **Coordination and synergies in seed sector development with development partners & Key stakeholders;**
- ✓ **Enhanced private sector engagement in the seed sector**
- ✓ **Scaling local seed production & marketing linkages;**
Improved seed aggregation models, seed company linkages with CBSPs, agro-dealer networks
- ✓ **Support to seed quality control boards (SQCBs) to drive quality seed production**
- ✓ **Training institutions**, such as; Crop Training Center (Yei) and the University of Juba (UoJ) for developing tailor made curricula for seed production.
- ✓ **Improved collaborations** with CGIARs, MAFS in availing new improved varieties for adaptive trials, variety release and enhanced availability of early generation seed (EGS).

Wayward

- ✓ All inclusive, and an Integrated Seed Sector Development Approach that taps into both the Formal and Informal systems.
- ✓ Building strong institutions including FOs, and providing conducive policy and legal environment for growth and development, while taking into considerations the need to build resilient seed system across communities.
- ✓ Effective collaboration and partnership in supporting seed sector development.

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Policy & Regulatory Framework

- Facilitate development, promotion and implementation of functional seed policies and regulatory framework
 - Review of the draft seed policy
 - Development of legal framework
- Supported by FAO and working closely with EU and JICA consultant on the same



Voluntary Guide for National Seed Policy Formulation





Food and Agriculture
Organization of the
United Nations

Thank You