

INTRODUCTION OF AFRICAN AGRICULTURAL TECHNOLOGY FOUNDATION (AATF)

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CARD Steering Committee meeting on 5th October 2021

AATF's Vision, Mission and Objectives

What Drives Us?

VISION:

A prosperous and food secure Africa

MISSION:

To transform livelihoods in Sub-Saharan Africa through innovative agricultural technologies

VALUES:

Define the principles that shape what AATF is and what it champions.

Integrity

Dedication

Accessibility

AATF Strategic Objectives

2018 -2022

1

Diversify agricultural technologies accessed for use in SSA

2

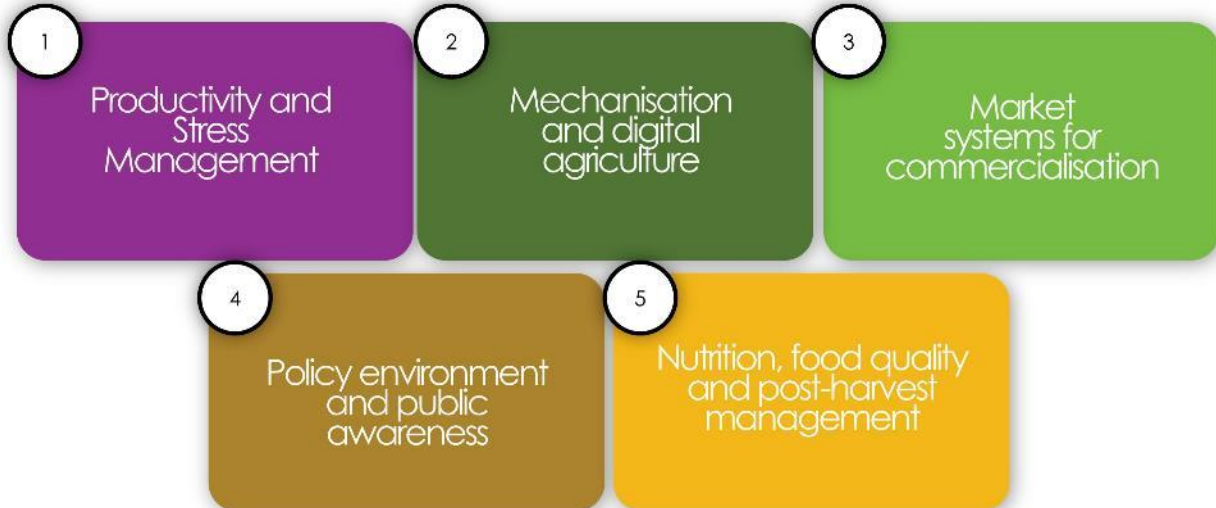
Accelerate commercialisation of agricultural technologies for improved farmers livelihoods

3

Create an enabling environment for increased uptake and use of agricultural technologies in SSA

An African continent that has rapid access to state of the art technology, leading to food and nutrition security and increased income benefiting all, including youth, women and children

AATF impact areas of interventions



At least **18** Agricultural technologies accessed worth over **\$400** million



15 projects implemented across **23** countries



Over **95** Partnerships for technology transfer



Over **300%** increase in yields under the Cassava Project

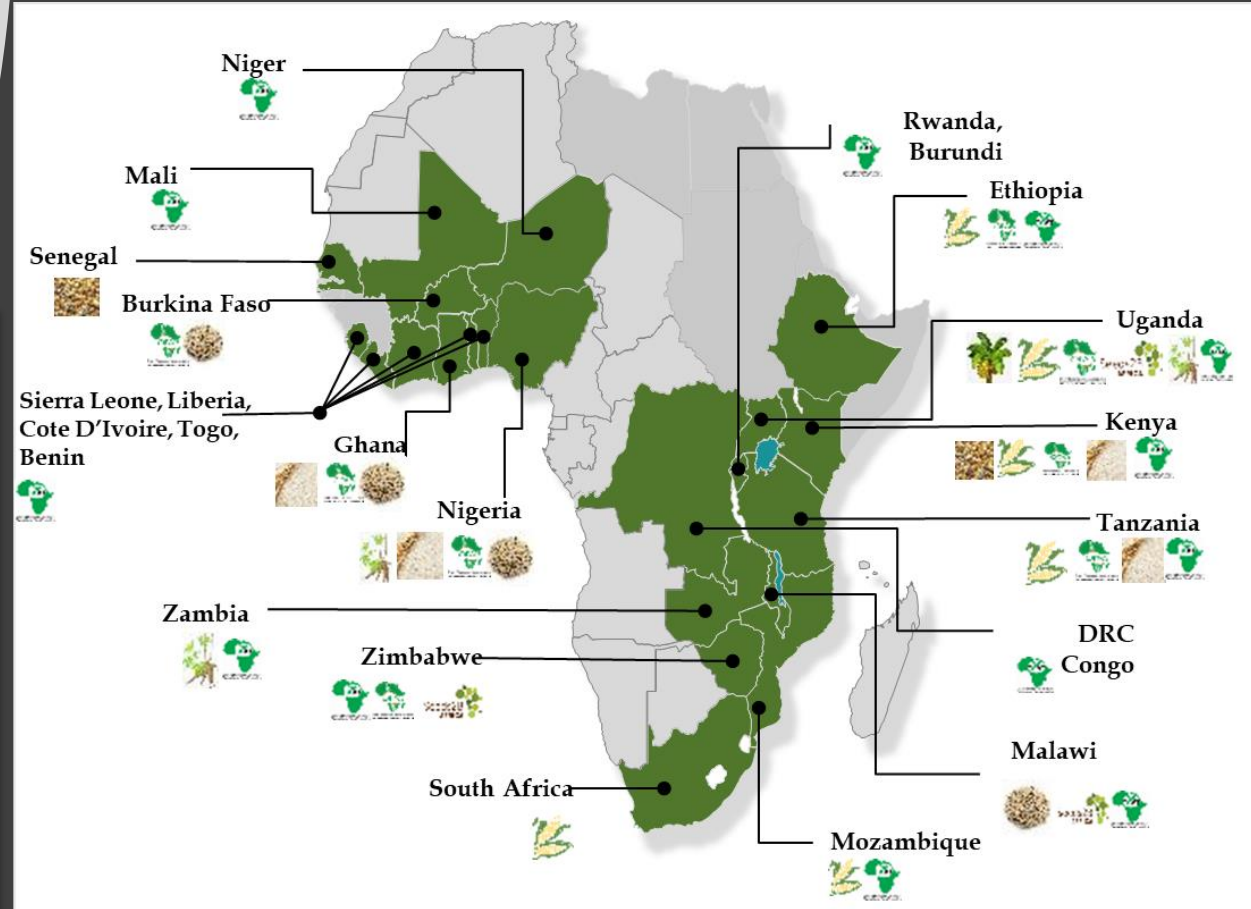


At least **12** crop value chains under implementation



At least **4** projects pioneering agriculture biotechnology

- AATF tracks its impact under 5 themes which are inter-linked



AATF's Unique Roles and Interventions



Technology Transfer

Acquisition

- ❖ IP Management & Patented Technologies
- ❖ Innovative Technologies

Management

- ❖ Adaption
- ❖ Testing
- ❖ Validation

Delivery

- ❖ Stewardship
- ❖ Deployment
- ❖ Scaling
- ❖ Technical Backstopping

Through PPP

Commercial Agriculture

- ❖ Appropriate use of technology
- ❖ Improved uptake
- ❖ Increased adoption

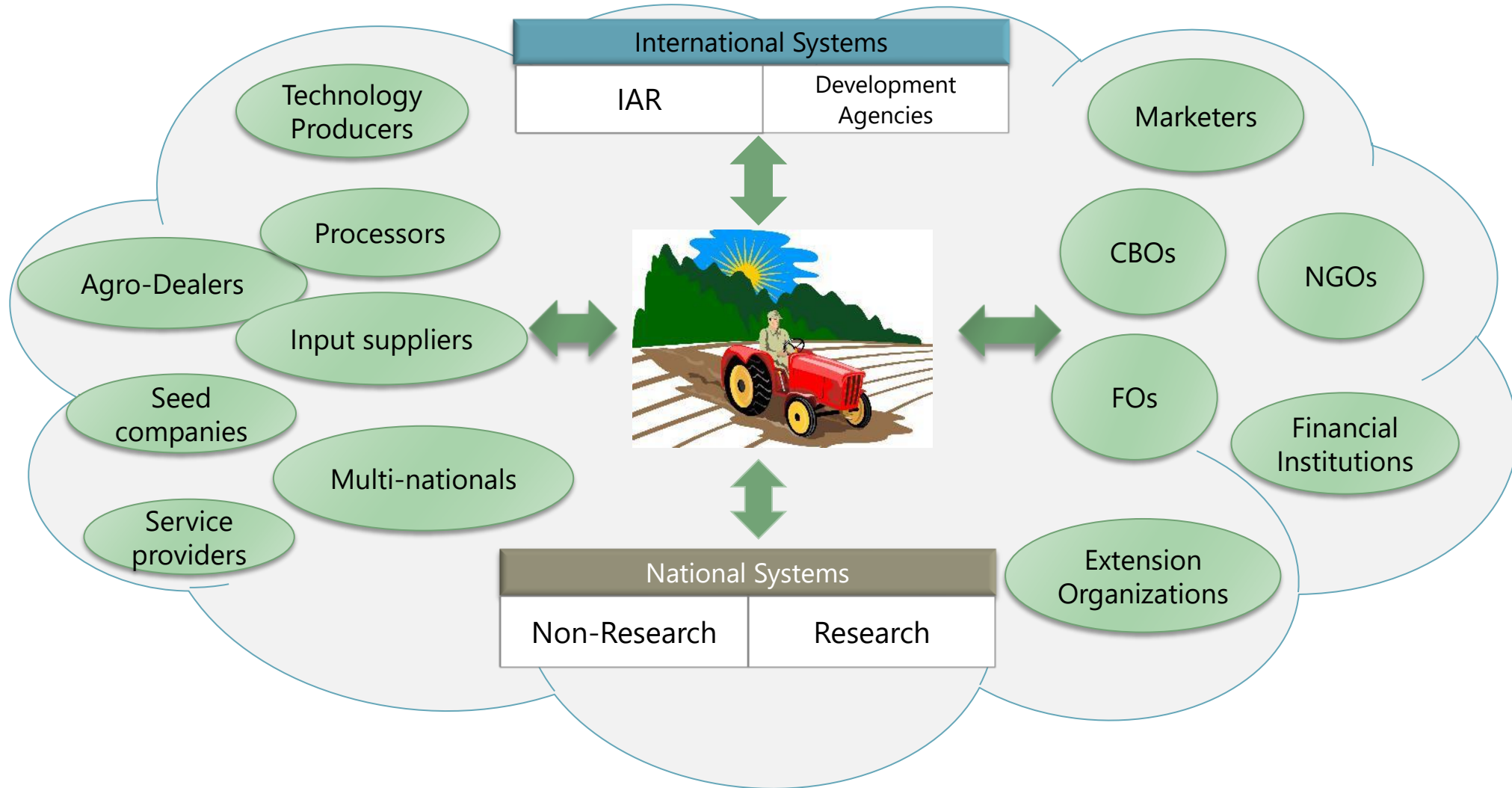
CAADP/SDGs

- ❖ Food Nutrition security
- ❖ Poverty Alleviation
- ❖ Improved livelihoods

Enabling Environment Systems

- ❖ Sustainable best production Practices
- ❖ Technology knowledge systems (Awareness creation)
- ❖ Input systems (Seeds, fertilizers, pesticides etc)
- ❖ Seeds systems
- ❖ Agro-service provision (e.g mechanization)
- ❖ Policies & Harmonization
- ❖ Regulatory systems
- ❖ Market systems
- ❖ Advocacy (Political will)

AATF interfaces with the value chain players in commercial agriculture



Rice initiative of AATF



Hybrid Rice Technology

- ❖ To improve food security and rural livelihood among African small-scale rice producers, by developing hybrid rice, with its significant yield advantage and create sustainable hybrid rice agro-businesses to support rice farming in SSA

Alliance for Hybrid Rice in Africa (AHyRA)

- ❖ A Public Private Alliance (PPA) for the development, commercialization, adoption and promotion of Hybrid Rice technology, to build a sustainable hybrid rice seed system for the benefit of all stakeholders along the rice value chain in Africa

NEWEST Rice Project

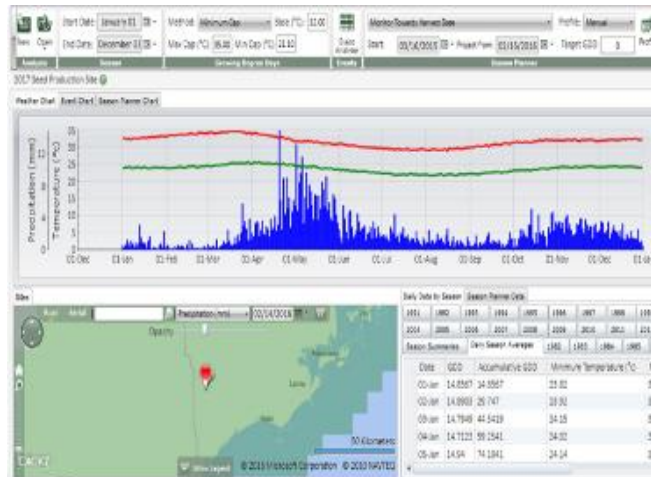
- ❖ To develop and disseminate farmer preferred and locally adapted rice varieties with enhanced Nitrogen-Use Efficient, Water-Use Efficient and Salt Tolerant (NEWEST) for the benefit of smallholder farmers in sub-Saharan Africa (SSA)



Hybrid Rice Project Deliverables



- well adapted germplasm
- Inbred female (S) lines
 - Inbred male (P) line
 - Hybrids



Develop web-based tools for identifying assessing seed production environments



Strengthen capacity for breeding & quality seed production



Good grain quality

- Profitable hybrid rice seed business in SSA – Seed companies & farmers
- Competitive rice market in SSA through improved productivity and quality
- Business linkages along the whole rice value chain
- Support the creation of enabling environment



Hybrid Rice Public Private Partnership



HEAL

Develop rice hybrid and parental lines and distribute seeds to global rice breeding community

aWhere

Develop web based IT tool to monitor weather to support hybrid rice breeding, multiplication and production activities

AATF

Manage the PPP, provide technical backstopping & sustainably deliver hybrid rice technology to smallholder rice producers in Africa

NARS

- Test hybrids and parental lines
- Develop hybrids
- Release and Register hybrid rice

Seed companies

- Test rice hybrids and parental lines
- Develop their own proprietary hybrids
- Register and commercialize hybrids

Kenya

Tanzania



The African Seed Company



Highlight of Hybrid Rice Project achievement



- ❖ **Over 100 parental lines released & Thousands of segregating lines available for use by Private seed companies**
- ❖ **More than 300 high yielding rice hybrids developed**
- ❖ **Ten rice hybrids (Yielding upto 10 Tons/ha) commercially released and licensed to private seed companies in Kenya**
- ❖ **4.5 Tons of seed produced in 2021 in Kenya**
- ❖ **On-farm and adaptation trials being done Tanzania, Nigeria, Senegal, Togo, Uganda, Zimbabwe and Ghana**
- ❖ **aWhere IT weather assessment tool for determining suitable time and environment for seed production**
- ❖ **Over 100 personnel trained on hybrid rice technology**

Strategic Leadership through the Alliance for Hybrid Rice in Africa (AHyRA)



- ❖ AATF proactively brought competing and disjointed hybrid rice efforts together through the Alliance for Hybrid Rice in Africa (AHyRA) to consolidate efforts for greater impact
- ❖ AHyRA was launched in May 2019 in Nairobi as a PPP to:
 - ❖ facilitate sustainable commercialization, marketing and adoption of hybrid rice in Africa including Kenya
 - ❖ Promote Hybrid Rice technologies to enhance seed system & business towards rice self sufficiency and food security
 - ❖ Foster Public-Private linkages along rice value chain towards competitiveness of locally produced rice
 - ❖ Broaden hybrid rice germplasm base to enhance genetic gain down stream impact
- ❖ Membership is open to all African and non-African (Public & Private) stakeholders in the rice value chain seed sector operating or intending to operate in Africa



The PS for Agriculture (Prof. Boga) officially launching AHyRA in May 2019



Rice value Chain stakeholders at the launch of AHyRA at Azure Hotel, in May 2019

Conclusions

- AATF roles and initiatives in the Rice Value Chain in Africa, are well in alignment with the goal of CARD
- AATF's rice activities will be leveraged by CARD to achieve its mission



Prosperity Through Agriculture



Dr. Canisius Kanangire
Executive Director
AATF Since 1st July 2021



THANK YOU/MERCI

