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Collaborative Research on Sorghum and Millet

Country Level Updates-Niger

Moustapha Moussa, PHD, Niger Country Coordinator, INRAN, Niamey, Niger

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Technologies that have benefitted from USAID/SMIL support that are now at Phase 3 and 4 being scaled /commercialized

1. Str-40
2. Str-4
3. Str-35
4. Str-3
5. Str-6
6. Str-20
7. Str-8
8. Str-30
9. Str-44
10. Str-34
11. Str-41
12. Str-37
13. Str-23
14. Str-38
15. Str-25
16. Str-32
17. Str-36
18. Str-5
19. Str17

SAWAGEN SORGHUM BREEDING PROJECT

Development of Striga and Drought Tolerant High Yielding Sorghum Lines

Mota Maradi x SRN39

Striga resistant lines

Mota Maradi x SRN39

Striga resistant lines

- ❑ Seed Homologation under Way
- ❑ Field/Demonstration testing with FUMA GASKIA and related famers groups,
- ❑ Scaling in collaboration with local Seed Companies,
- ❑ Partnership/Synergy with ABEE Project to accelerate scaling

Phase1 Under Research	**Phase2** Under Field Testing	**Phase3** Made Available for Uptake	**Phase4** Demonstrated Uptake
• Lgs1 Markers for striga resistance • Stay green markers for drought tolerance	• Mota Maradi x SRN39 (Striga resistance) • MDK x SRN39 (Striga resistance) • MDK x L153-5 (Drought tolerance)	• Striga resistance • Drought tolerance	

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Project: Sorghum Trait Deployment Pipeline for Improved Food and Feed value

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- Field/Demonstration tests will be conducted this year in collaboration with local Farmers organizations (Fuma Gaskia & Mooriben network)
- Seed Homologation under Way,
- Early in collaboration with local Seed Companies, including Alheri Seed,
- Partnerships/Synergies with CSAT and REDSAAC Projects

to accelerate scaling

Phase1 Under Research	**Phase2** Under Field Testing	**Phase3** Made Available for Uptake	**Phase4** Demonstrated Uptake
Excel *bmr6*	MR732 *bmr6*	Seed increase with project partners	Local Farmers Organizations
	Sepon-82 *bmr6*	Seed increase with project partners	Local Farmers Organizations
	Macia *bmr6*	Seed increase with project partners	Local Farmers Organizations
	Irat 204 *bmr6*	Seed increase with project partners	Local Farmers Organizations
	Wassa *bmr6*	Seed increase with project partners	Local Farmers Organizations
	El mota *bmr12*	Seed increase with project partners	Local Farmers Organizations
	Sepon-82 *bmr12*	Seed increase with project partners	Local Farmers Organizations

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GENMIL Project

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- OPVs: Chakti, Mil de Siaka varieties (homologates)
- Seed Homologation under Way for Hybrid (SOSAT-C88X ExBorno) and OPV SOSAT-C88x Icritabi) Mamaki (F8xM1) Tiouma x Souna3: ready for famer fields evalution 2022
- Field/Demonstration testing being conducted in collaboration with FUMA GASKIA and Mooriben famers groups,
- Scaling in in collaboration with FESA Amate and HAMA Privates Seed Companies,
- Partnerships/Synergies with ICRISAT and ABEE Project o accelerate scaling
- Two films : Seeds production training and report on Rainy season 21 activities

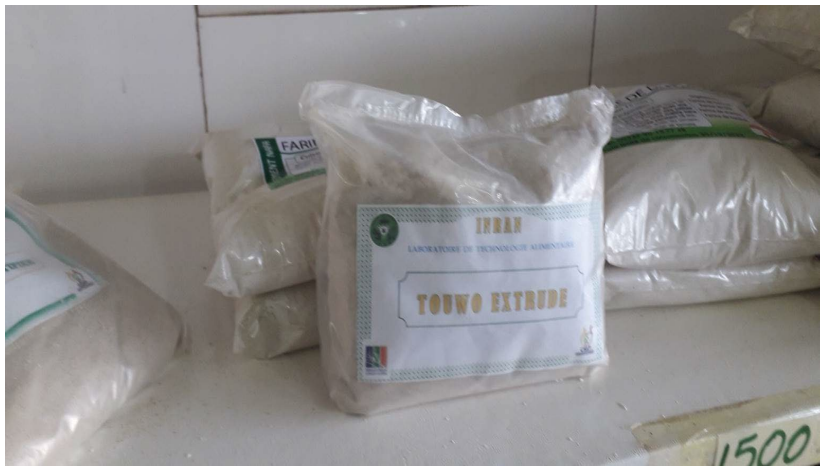
PHASE 1 Under Research	PHASE 2 Under Field Testing	PHASE 3 Made Available for Uptake	PHASE 4 Demonstrated Uptake
Chacti X Maradi Local (Terminal drought and DM tolerant and Fe and Zn content) **OPV**	***SOSAT-C88 x Tiouma*** (Resistant to DM tolerant to drought and HM) **OPV**	***Tiouma X Souna3*** (Resistant to DM tolerant to drought and HM)	
Chacti X Mil de Siaka (Drought and DM tolerant and Fe and Zn content) **OPV**		***SOSAT-C88 x ICRITABI*** (Resistant to DM tolerant to drought and HM) **OPV**	
Chacti X ICVM IS 89305 (Drought and DM tolerant and Fe and Zn content) **OPV**		***SOSAT-C88 x EX Borno*** (Resistant to DM tolerant to drought) **Hybrid**	

SEED BALL PROJECT

- Field/Demonstration tests being conducted in collaboration with local Farmers organizations (Fuma Gaskia & Mooriben)
- Partnerships/Synergies with Projects including Mcknight,

to accelerate scaling

Products Formulated and Ready for Use by Urban Processors/Entrepreneurs



Instant Millet *Fura*
Instant Millet *Couscous*
Instant Millet *Tuwo*
Millet *Juice*
Co-Extruded Millet-Peanut(Lackiri)
Co-Extruded Millet fortified flour
Co-Extruded Sorghum-fortified flour
Roasted Sorghum-fortified flour

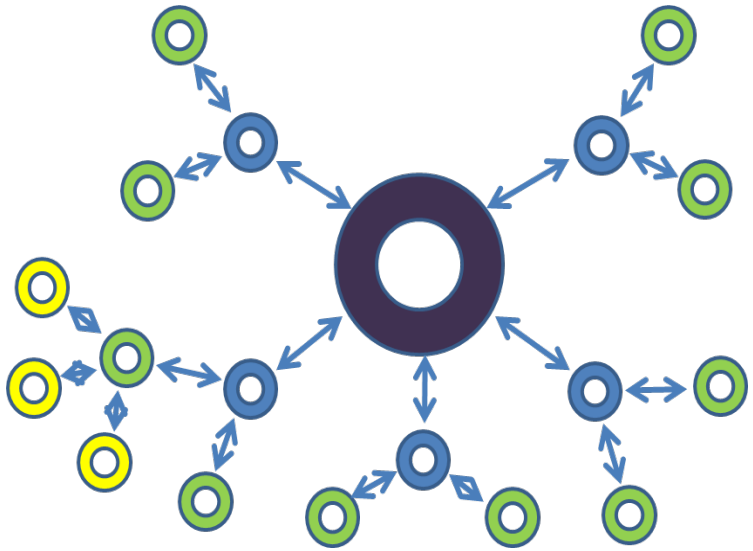
Branded Sorghum and Millet Foods Sold in Urban Markets by ENTREPRISE DE TRANSFORMATION DES CEREALES (ETC)-NIGER through Women Entrepreneur (Mme Liman Aminatou, Director of ETC, Incubated Through INRAN FOOD Innovation Hub)

Branded Sorghum and Millet Foods Sold in Urban Markets by other youth and women processors incubated and backstopped at INRAN F. IHUB

Branded Sorghum and Millet Foods Sold in Rural Markets by Women groups at F. I Centers

Organic Sustainability of Food Innovation Centers being ensured through local consumer markets of Nutritious Foods, and Facilitating and Reinforcing Resilience and Agroecological Transition

Diffusion out to remote villages



And replication in other rural areas and agroecological locations/ countries…..

centers self-train other women from surrounding villages

Thank you

Several children being saved from malnutrition using the locally formulated nutrient-fortified made at F. Innovation Centers

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Strategic Needs and potential opportunities for the long term support of Sorghum and Millet Value Chains

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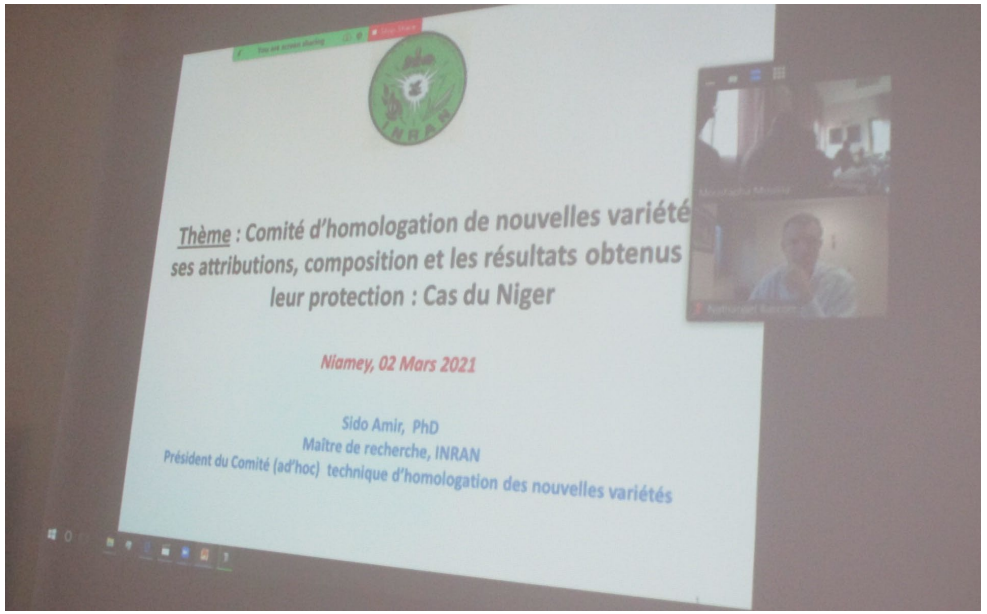
Explore way to accelerate Technology Scaling up by reinforcing partnership with :

- ❑ Government support (through 3N),
- ❑ Seed Sector (improved varieties),
- ❑ Investment Banks,
- ❑ Processors/Producers Agribusiness opportunities
- ❑ the new USAID Mission,
- ❑ MCC Program in Niger,
- ❑ NGO's and Development Project ,
- ❑ Farmer cooperative engagement, private sector partnerships

Seed Registration Meeting with MoA Committee held early March, 2022



Objectives :

- ❑ gain advice,
- ❑ develop specific planning for the multi-location trials,
- ❑ submit official Standard documentation,
- ❑ official registration of improved sorghum and millet seed in Niger,
- ❑ enter into the national seed catalog

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Seed Registration Meeting with MoA Committee held early March, 2022

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Technology Showcasing and Exhibition at the 3rd INTERNATIONAL FESTIVAL of MILLET, FEBRUARY 28th-MARS 1st, 2022

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High Level Panel Discussion

Panel 1 :'' Improving Millet Production in the Sahel in the Context of Climate Change''

Panel 2: ''Expanding Market Access for Millet Based Foods''

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Multi Actors(Mooribeen, Fuma Gaskiya, INRAN, ICRISAT, University of Maradi, SMIL, Mcknight, ABEE, PAIE, CIRAD, Partnership/Synergy Workshops

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