



Feed Africa
Nourrir l'Afrique



FEED AFRICA TRANSFORMATION OF RICE VALUE CHAINS IN AFRICA

AFRICAN DEVELOPMENT BANK
PARTICIPATION IN THE 17TH CARD
STEERING COMMITTEE

6-7TH OCTOBER 2021



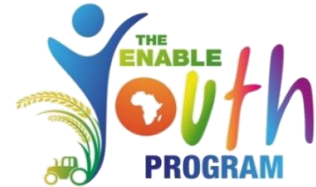
FEED AFRICA FLAGSHIP PROGRAMS



**Technologies for African
Agriculture Transformation
(TAAT)**



**Africa Fertilizer Financing
Mechanism (AFFM)**



ENABLE Youth



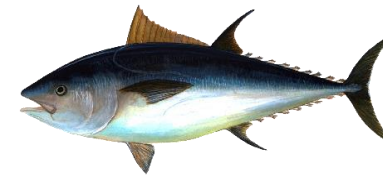
**Special Agro-Industrial
Processing Zone (SAIPZ)**



**Climate Smart Agriculture
(CSA)**



TAAT – Savannah (TAAT-S)



Blue Economy



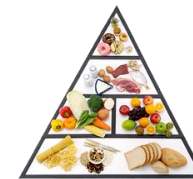
Livestock



Post Harvest



**Digital Solutions for
Agriculture**



**Africa Leaders on
Nutrition (ALN)**



**Global Agriculture and
Food Security Program**

BENIN, MALI,
BURKINA FASO,
GAMBIA, GHANA,
GUINEE, GUINEE
BISSAU, SENEGAL
AND SIERRA LEONE

CURRENT PORTFOLIO ON RICE VC



BENIN AND MALI

ACTIVITY	COUNTRY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
PROJET D'APPUI AUX INFRASTRUCTURES AGRICOLES DANS LA VALLEE DE L'OUEME (PAIA-VO)	BENIN	Production With water full control: 1,191 ha With partial water control: 3,500 ha)	FAD Loan: 39,500,000 UA FAD Grant: 530,000 UA GEF: 7,200,000 USD	21,800 MT
PROJET D'APPUI A LA PRODUCTION VIVRIERE ET DE RENFORCEMENT DE LA RESILIENCE DANS LES DEPARTEMENTS DE L'ALIBORI, DU BORGOU ET DES COLLINES (PAPVIRE-ABC)	BENIN	Production: With water full control: 584 ha With partial water control: 744 ha	GAFSP: 24,000,000 USD	8,400 MT
PROJET DE RENFORCEMENT DE LA SECURITE ALIMENTAIRE PAR LE DEVELOPPEMENT DES CULTURES IRRIGUES (PRESA DCI)	MALI	Production, Transformation, Commercialisation	Prêt FAD : 33,856 MILLIONS D'UC Don FAD : 2,144 MILLIONS D'UC	<ul style="list-style-type: none"> – Aménagement de périmètre – Equipement de transformation – Infrastructures de commercialisation Appuis à l'insertion socio-professionnelles des jeunes par la création d'entreprises rurales
PROJET DE RENFORCEMENT DE LA SECURITE ALIMENTAIRE ET NUTRITIONNELLE DANS LA REGION DE KOULIKORO (PRESAN-KL)	MALI	Production, Transformation, Commercialisation	GAFSP : 37,210,000 USD FAD : 3 000,000 UA	<ul style="list-style-type: none"> – Aménagement de périmètre – Equipement de transformation – Infrastructures de commercialisation Appuis à l'insertion socio-professionnelles des jeunes par la création d'entreprises rurales

BURKINA FASO

ACTIVITY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
Aménagements structurants pour la réalisation d'un périmètre irrigué pour l'irrigation de 2194 ha (924 ha destinés aux petits producteurs et 1270 ha aux privés), pour la riziculture et la culture du maïs	Production	19,73 M.UC (FAD)	Production agricole de riz paddy passant de 8376 Tonnes en 2014 à 14400 en 2022 Accroissement des rendements de riz passant de 4,5 T/ha à 6 T/ha
Réalisation d'infrastructures de stockage et de commercialisation	Production	0,64 M.UC (Contrepartie)	Amélioration de la commercialisation et des revenus générés
Assistance à la mise en place d'une Grappe-Riz des incubateurs des projets innovants	Value addition	0,47 M.UC (Contrepartie)	1 Grappe-Riz des incubateurs des projets innovants mise en place
Aménagement de 1500 ha bas-fonds rizicoles	Production	4,25 M.UC (FAD)	Rendement de 3,8 T/ha, production de 5700 T, revenu brut d'exploitation de 564.000 F /ha
Aménagement hydro-agricole 100 ha rizicoles sur 500 ha en aval de barrages	Production	3,26 M.UC (FAD)	Rendement de 2,5 T/ha, production de 250 T, revenu brut d'exploitation de 350.000 F /ha
Construction de 5 magasins de stockage de 250 tonnes & aires de séchage	Stockage	1,25 M.UC (FAD)	Accroissement de la quantité commercialisée pour générer un revenu brut d'exploitation de 350.000 F /ha à 564.000 F /ha

GAMBIA AND GHANA

ACTIVITY	COUNTRY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
<p>THE RICE VALUE CHAIN TRANSFORMATION PROGRAM (RVCTP)</p> <p>2018-2024</p>	GAMBIA	<p>Production</p> <p>Value addition</p> <p>Policy (CIPRISSA Study)</p>	<p>USD 7.77 million (ADF & TSF)</p> <p>Parallel co-financing Islamic Development Bank USD 26.5 million</p>	<ol style="list-style-type: none"> 1) Engagement of AfricaRice to support the government of The Gambia in their rice sufficiency drive of the country 2) Increased rice production and convergence towards Rice self-sufficiency 3) Improved value addition and commercialization of rice 4) Increased youth employment in rice Agribusiness ventures 5) Streamlined input distribution systems for high quality seeds, fertilizers and pesticides that reinforce capacity of the producers. 6) Upscaled the use of fit-for purpose agricultural technology to support smallholder commercialization models.
<p>AGRICULTURE VALUE CHAIN DEVELOPMENT PROJECT (AVCDP)</p>	GAMBIA	<p>Production:</p> <p>With water full control: 333 ha</p>	<p>FAD Loan: 6,000,000 UA</p>	<p>3,000 MT</p> <p>With water full control: 333 ha</p>
<p>GHANA – RURAL ENTERPRISES PROGRAMME</p>	GHANA	<p>Processing</p>	<p>Project Cost: UA49.7 Million</p> <p>Amount for Rice Activities: UA1.0 Million</p>	<p>10 Rice Processing Established</p> <p>350,000 mt rice produced</p>
<p>SAVANNAH AGRICULTURE PRODUCTIVITY IMPROVEMENT PROJECT</p>	GHANA	<p>Production</p>	<p>Project Cost: UA27.26 Million</p> <p>Amount for Rice Activities: UA5.00 Million</p>	<p>Yield improved from 2mt/ha to 2 to 6mt.USD120 Million domestic /foreign investment in rice</p>

GUINEE AND GUINEE BISSAU

ACTIVITY	COUNTRY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
<p>1. APPUI A LA PRODUCTION ET A LA PRODUCTIVITE DE RIZ</p> <p>2. REHABILITATION/DEVELOPPEMENT DES AMENAGEMENTS RIZICOLES ET PISTES DE DESENCLAVEMENT</p> <p>2020 – 2023</p>	GUINEE	Production and Value Addition	2,189 MUC	<p>Appui à l'accès aux intrants : appui aux 10 groupements de jeunes semenciers ; mise en place de fonds revolving engrais et semences; Opérationnalisation des 2 boutiques d'intrants pour jeunes entrepreneurs; ; (ii) Appui à mécanisation agricole : mise en place de 4 centres de services au profit de Jeunes entrepreneurs ; encadrement de 900 producteurs ; sécurisation foncière et prévention de conflits sur 25 sites</p> <p>Développement de l'entrepreneuriat agricole : (i) Formation de 600 jeunes sur l'entrepreneuriat agricole</p> <p>237 ha de bas-fonds rizicoles et 50 ha pour la production des semences de riz, (ii) 65.5 km de pistes de désenclavement; (iii) 32.7 kilomètres de haies vives, et 10 ha par cordons pierreux</p>
Projet de développement de la chaîne de valeur riz dans les régions de Bafata et de l'Oio (PDCV-RIZ)	GUINEE BISSAU	Production,	<p>Prêt FAD : 397 000 UC</p> <p>Don FAD : 99 000 UC</p> <p>Prêt FAT : 3 325 000 UC</p> <p>Don FAT : 394 000 UC</p>	<p>Aménagement de 490 ha</p> <p>Production 3058 tonnes de riz/an</p> <p>Production maraichères de 570 tonnes/an</p>
PROJET D'APPUI AUX CHAINES DES VALEURS ET A L'ENTREPRENARIAT AGRICOLE ET RURAL	GUINEE BISSAU	Production, Transformation, Commercialisation	<p>Prêt FAT: 3 040 000 UC</p> <p>Prêt FAD: 1 060 000 UC</p> <p>Don FAT: 5 460 000 UC</p>	<p>Aménagement de 660 ha</p> <p>Production 4000 tonnes de riz/an</p> <p>Production maraichères de 2000 tonnes/an</p> <p>Identification et incubation de 100 jeunes entrepreneurs</p> <p>Appui à la transformation</p>

SENEGAL AND SIERRA LEONE

ACTIVITY	COUNTRY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
PROJET DE VALORISATION DES EAUX POUR LE DEVELOPPEMENT DES CHAINES DE VALEUR (PROVALE-CV) 2020 - 2024	SENEGAL	Water management	BAD 60,83 OFID 17,83 AGTF 26,75 FIDA 3,64	+12.730 ha des aménagements Rizicoles réalisés + 32 500 T Riz produits
		Rice value Chain	Gouvernement 6,63 Bénéficiaires 6,30 COÛT TOTAL 121,98	+70 Storage Facilities + 16 000 producteurs encadrés +5.000PME/PMI accompagnées ou créées
SIERRA LEONE AGRIBUSINESS AND RICE VALUE CHAIN SUPPORT PROJECT (SLARIS) 2019-2025	SIERRA LEONE	Production Value addition	UA 7.99 million (USD 11.2 million) (ADF) Parallel co-financing IsDB (USD 34.12 million) IFAD (USD 11.8 million)	1) Increased production and productivity of Rice, Maize and other crops. 2) Improved value addition and commercialization of rice, maize and other crops. 3) Increased youth entrepreneurs & employment in Agribusiness ventures and effective project management. The project primarily focuses on the rice value chain which is the staple food in Sierra Leone.

SIERRA LEONE

PLANNED PROJECTS ON RICE VC 2021-2023



SIERRA LEONE

ACTIVITY	COUNTRY	AREA OF FOCUS	AMOUNT OF FINANCING	EXPECTED OUTCOMES
RICE AGRO-INDUSTRIAL CLUSTERS (RAIC) IN TORMA BUM AND GBONDAPIE. 2021-2026	SIERRA LEONE	Production Value addition	UA 10million (ADF)	<ol style="list-style-type: none">1) Increase and industrialize rice production clusters towards Rice self-sufficiency2) Mechanized rice production using fit-for purpose agricultural technology to support smallholder commercialization models.3) Increase private sector's involvement in commercial agriculture and connecting their large-scale investment with smallholder Sierra Leonean farmers;

MECHANISMS FOR ACHIEVING RICE PRODUCTION DEVELOPMENT UNDER TAAT

Promoting Rice across Africa requires advance in several areas;

Widespread distribution and commercial adoption of high-yielding, climate-resilient rice varieties.

Promotion of proven agricultural practices ranging from land preparation and ISFM to harvest that is tailored to local settings and backstopped through local extension.

Greater availability of affordable, small-scale agricultural machinery including seeders and weeders that greatly reduce labor requirements, allowing for expanded production.

Promotion of interventions that reduce post-harvest losses and stimulate value-addition including reapers able to cut rice straw at harvest for threshing and axial-flow thresher-cleaners that reducing post-harvest loss.

Expansion of the SMART-Valleys approach, a community-based participatory approach to develop water resources and expand rice production within inland valleys

With TAAT intervention, there will be an increase in average rice yields from **1.9 to 4.5 tons per hectare** through better agronomic and water management.

African Development Bank aims to **double rice production in Africa by 2030** in line with phase 2 of the CARD approach for Resilience, Industrialization, Competitiveness, and Empowerment (RICE)

KEY ACHIEVEMENTS UNDER TAAT RICE COMPACT AS AT TODAY



- Over 1,900 MT of **high-quality parboiled milled rice** have been produced and marketed by women parboilers and youth in Benin, Côte d'Ivoire and Nigeria.
- **SME equipment fabricators enhancing quality of post-harvest and processing and value addition equipment.** Eleven (11) private SMEs have been trained on the fabrication of research adapted processing and value addition equipment such as ASI thresher and GEM parboiler.
- The use of **GEM rice parboiling system** by the IP in **Nigeria generated US\$ 181,800** in 2019, from selling 218.15 MT of quality domestic parboiled rice.

GEM parboiler technology in operation at the Glazoue Innovation Platform in Benin Republic (PHOTO: TAAT/Atayi Opaluwah)

KEY ACHIEVEMENTS UNDER TAAT RICE COMPACT AS AT TODAY



Farmer E-Registration in Togo (PHOTO:AfDB)

- **E-registration of rice value chain stakeholders.** Over 7,977 rice value chain stakeholders were registered in two rice hubs [Bandama Valley and Gagnoa regions] in Côte d'Ivoire, with 11.27% female participation.
- **Improved rice varieties, RiceAdvice and Good Agricultural Practices (GAP):** rice yields in Madagascar, increased from 3.3 MT/Ha in the uplands to 7.5 MT/Ha and in lowland from 5.8 MT/ha to more than 10 MT/ha in Cote d'Ivoire and Togo
- The Rice Compact introduced climate-smart rice varieties that yields 4-7 MT/Ha and hybrids that have the potential of 10 MT/Ha in 12 countries.
- **Over 60 MT of breeder seed of improved climate-smart rice varieties** (NERICA 4, ORYLUX 6, NERICA L19, WAB 638-1, Sahel, etc.)

KEY ACHIEVEMENTS UNDER TAAT RICE COMPACT AS AT TODAY



Woman rice farmer in Baguinéda Mali (PHOTO:AfDB)

- From a **baseline yield of 2.78MT/Ha**, deployment of **climate-smart improved rice varieties** through TAAT Rice Compact has **increased yields to 3.4MT/Ha** against a target of 4MT/Ha.
- TAAT Rice Compact is promoting **intensification of high yielding varieties** with potential yields ranging from **4 to 7 MT/Ha** and **new hybrids yielding 7 to 14 MT/Ha**. These are being promoted in partnership with seed enterprises
- **Pilot phase of hybrid varieties testing:** has produced **3.5 MT of high-quality hybrid rice**, with yields ranging from **5.8 MT/Ha to more than 10 MT/Ha under farmer conditions**, farmers and seed entrepreneurs in other countries expressed interest in the hybrids

KEY ACHIEVEMENTS UNDER TAAT RICE COMPACT AS AT TODAY

- COVID-19 Response:** The Compact has produced **96.1MT of breeder seed for supply** to the private seed enterprises and projects for further multiplication into foundation and certified seeds.
- The Compact procured **40MT foundation seed and 1,346 MT certified seed (1,346 MT)** which were supplied to **Gambia, Guinea Bissau, and Sierra Leone**
- Over 200 kg of hybrid seed** was supplied to **11 private seed companies in Benin, Burkina Faso, Côte d'Ivoire, Mauritania, Nigeria and Senegal** to conduct the 2020 - 2021 on-farm demos.
- It is expected that **3,000 MT of foundation seeds and 150,000 MT Certified Seeds** will have been produced by the end of 2021 to enable **3.6 Million farmers** cultivate **1.8 Million ha** of paddy and produce **3.96 Million MT** of grain rice by the end of 2022.

Rice Compact Seed Production and Dissemination

Country	Foundation Seeds (MT)	Breeder Seeds (MT)	Certified Seeds (MT)	Hybrid Seeds (MT)
Burkina Faso	157	0	21.66	0
Cote d'Ivoire	16.207	69.1	680.37	1.341
Gambia	3.0	0	0	0
Ghana	17.60	1.2	0	0
Liberia	0	0	0.52	0
Mali	26	0	24.5	0
Nigeria	13.23	0	0	0
Senegal	45.15	1.04	268	0.826
Togo	0	0	0	0
Uganda	84.32	8.50	0	0
Total	362.00	78.80	680.37	2.16

IMPLEMENTATION OF THE KEY AFDB INITIATIVES WILL INFLUENCE THREE MAIN DRIVERS OF RICE VALUE CHAIN TRANSFORMATION

Goals	Objective
Increase total production	Contribute to increasing the number of hectares under cultivation
Increase realized productivity	Contribute to increasing overall yield per hectare from 1.9 to 3.5 tons by 2025
Boost domestic value addition	Contribute to increasing processing capacity



Tons



Overall increase in processing capacity up to 12.6 million tons by 2025

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THANK YOU / MERCI

