

REPUBLIC OF NIGER



Fraternité-Travail-Progress
MINISTRY OF AGRICULTURE
AND LIVESTOCK



ADAPTATION FUND



**ENHANCING RESILIENCE OF AGRICULTURE
TO CLIMATE CHANGE TO SUPPORT FOOD
SECURITY IN NIGER, THROUGH MODERN
IRRIGATION TECHNIQUES**

**PROJET DE RENFORCEMENT DE LA RESILIENCE DE
L'AGRICULTURE FACE AU CHANGEMENT CLIMATIQUE
(PRRA-CC - NIGER)**



June 2020

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ACRONYMS AND ABBREVIATIONS

AF	Adaptation Fund
APCA	Agence de Promotion du Conseil Agricole / Agricultural Council Promotion Agency
BAGRI	Banque Agricole du Niger (Agricultural Bank of Niger)
BOAD	Banque Ouest Africaine de Développement / West African Development Bank
CDM	Clean Development Mechanism
CERU	Certified Emission Reduction Units
CNEDD	Conseil National de l'Environnement et du Développement Durable / National Environment and Sustainable Development Council
DGA	Direction Générale de l'Agriculture / General Directorate of Agriculture
DGGR	Direction Générale des Productions et de l'Industrie Animales / General Directorate of Agricultural Engineering
DGPIA	Direction Générale des Productions et de l'Industrie Animales / General Directorate for Industrial and Animal Production
IGS	Inspection Générale des Services / General Inspectorate for Services
I3N	Initiative « les Nigériens Nourissent les Nigériens ».
MAG/EL	Ministère de l'Agriculture et de l'Élevage / Ministry of Agriculture and Livestock
NGO	Non-governmental organization
OP	Organisation des Producteurs/Paysannes (Farmers' organization)
PIDM	Projet d'Irrigation dans le Dallol Maouri / Dallol Maouri Irrigation Project
PIPA SA	Projet d'intensification des productions agricoles pour la sécurité alimentaire / Agricultural Production Intensification Project for Food Security in Niger
PRRACC NIGER	projet de renforcement de la résilience de l'agriculture face au changement climatique # Project " <i>Enhancing resilience of agriculture to climate change to support food security in niger, through modern irrigation techniques</i> "
RECA	Réseau des Chambres d'Agriculture / Chamber of Agricultural Network
SDDCI	Stratégie de Développement Durable et Croissance Inclusive / Sustainable Development and Inclusive Growth Strategy
UEMOA	Union Economique et Monétaire Ouest Africaine / West African Economic and Monetary Union
SNCA	Système National de Conseil Agricole / National Farming Advisory System
SPIN	Stratégie de la Petite Irrigation au Niger / Small-scale Irrigation Strategy in Niger

1. INTRODUCTION

1.1 Background

Niger is a Sahelian country where agriculture is the main economic activity. It employs over 83% of the active population. Although relatively diversified, it remains dependent on climatic and edaphic conditions. The sub-sector's overall performance remains weak, given the declining agricultural yields resulting from the gradual decline in soil fertility, climatic disruptions, with resulting decline and poor distribution of rainfall, and increasingly short rainy seasons, even though agriculture is essentially rain-fed in the country.

Farm production is therefore poorly controlled, which impedes the population's efforts and the Government's initiatives to ensure sustainable food and nutritional security for a fast-growing population.

The traditional agricultural system has therefore reached its limits due to the demographic pressure and natural constraints mentioned above. Food insecurity and poverty have consequently become the daily experience of a large portion of the population. Results of the joint survey on household vulnerability to food insecurity in Niger reveal that 15.7% of the population is food insecure in rural areas and 33.3% are exposed to food insecurity. Meanwhile, poverty affects nearly 65% of rural households and 41% of urban ones.

With over 45% of Niger's population having their source of income based solely on agriculture, the risk of having a food-insecure population will continue growing.

With a view to supporting food security and improving people's living conditions, the Project to Build Climate Change Resilient Agriculture through Modern Irrigation Techniques (PRRA-CC) was developed.

The project area covers eleven (11) departments in five (5) regions as follows: Tchirozérine (Agadez), Loga (Dosso), Abalak, Bagaroua, Illéla, Tchintabaraden (Tahoua), Abala, Banibangou, Filingué, Ouallam (Tillabery), Niamey (Niamey), across twenty-six (26) communes.

The project's direct beneficiaries are the vulnerable populations to climate change in rural areas, youth and women. The 1000 ha project is broken down into 200 units of 1 to 5 ha equipped with drip irrigation kits or californian system, and solar PV kits to supply energy to the irrigation system. Infrastructure to support the processing and marketing of farm commodities and measures to build the capacity of the beneficiary populations and protect the environment are also planned.

The 5 ha units will be identified following a call for proposals from agricultural associations and cooperatives, under the responsibility of the governors of the regions and mayors of the rural communities.

Several documents have been prepared for the project, these include the Full Project, the Environmental and Social Management Framework, the Pest and Pesticide Management Plan, and the Environmental and Social Impact Assessment.

The Project to Build Climate Change Resilient Agriculture through Modern Irrigation Techniques in Niger (PRRA-CC) is part of the 3N Initiative "Nigériens Nourrissent les Nigériens" (Niger people Feeding themselves) and the Niger Small Scale Irrigation Strategy (SPIN), and is consistent with the Sustainable Development and Inclusive Growth Strategy (SDDCI), Vision 2035. It is justified by the following factors: (i) contribution to the sustainable management of water resources and reduction of the energy bill related to the drainage of irrigation water; (ii) contribution to climate change adaptation and improved food security in the project area; and (iii) contribution to environmental conservation and protection.

The estimated project duration is five (5) years. Within the first year, the PMU will be set up (3 months), all the studies will be carried out and the service providers selected (6 months). The second year will be devoted to the work implementation (15 months). Operation will start gradually from the third year, the supervision and monitoring of the operation will continue in the fourth year to end in the fifth year. The last year of operation will be geared towards the total divestiture of the PMU with a view to empowering the cooperatives by making them more responsible in the implementation of the various activities.

Component 7 "project coordination and management" is implemented by the PMU and performs, among other things, the following activities:

- (i) overall coordination of the project
- (ii) administrative management
- (iii) financial management
- (iv) accounting management
- (v) monitoring and evaluation
- (vi) reporting, project supervision, and quality control of investments made.

1.2 Project overview

1.2.1. Project objective

The project overall objective is to contribute to sustainable food security by building agricultural resilience to climate change in Niger through modern irrigation techniques.

The targeted project development objectives include: (i) sustainable contribution to food security and reduced national deficit; (ii) improvement and diversification of beneficiaries' income; (iii) contribution to job creation; and (iv) creation of additional wealth.

The project specific objectives are to :

- reduce water losses by no less than 80% and the operating cost related to the energy bill by at least 40% in the beneficiary irrigated areas;
- contribute to the improvement of the operators' income by at least 50% in a peak year on the developed sites, especially the most vulnerable groups consisting of women and youth; and
- ensure the sustainability of developed sites and the development of production through capacity building and organisation of producers.

1.2.2. Project components

The project involves the following seven (7) components:

- i) studies;
- ii) development of irrigated areas;
- iii) control, supervision and monitoring of works;
- iv) support for the development, marketing and diversification of farmers' sources of income;
- v) capacity building of technical services and knowledge sharing;
- vi) environmental and social measures; and
- vii) project coordination and management.

1.3 Funding

The PRRA-CC is financed by the Climate Change Adaptation Fund in the form of a grant, the West African Development Bank in the form of a loan and the Government of Niger as counterpart.

The project cost amounts to XOF15,728 M exc. tax and XOF18,559 M inc. tax, based on February 2017 economic conditions and average unit prices from recent calls for tenders. The project's total pre-tax cost will be funded up to XOF10,000 M (63.6%) by BOAD, XOF4,571 M (29.1%) by the Adaptation Fund (AF), XOF492 M (3.12%) by BAGRI, XOF396 M (2.5%) by the beneficiaries and XOF269 M (1.7%) by the Government of Niger.

2. HIGHLIGHTS OF SPEECHES DELIVERED AT WORKSHOPS OR LAUNCHING CEREMONIES

The launching workshop was chaired by the Permanent Secretary of the Ministry of Agriculture and Livestock with the facilitation of the Director of Water Harnessing at the General Directorate of Rural Engineering.

It was held on 17 March 2020 at the Grand Hotel in Niamey, under the high patronage of the Minister of State, Minister of Agriculture and Livestock, who is the project's trustee.

The ceremony was attended by high-ranking personalities including:

- The Minister of Environment, Urban Environmental Sanitation and Sustainable

- Development,
- The Minister of Hydraulics and Sanitation,
 - The Minister, High Commissioner for the 3N Initiative,
 - BOAD Resident Mission Chief,
 - The Governor of Niamey Region,

In addition, the official launching ceremony of the PRRACC activities was attended by all players involved in the project implementation, including representatives of State institutions, technical and financial partners, civil society, NGOs and national farmers' associations, the private sector, etc.

The official ceremony was marked by four (4) speeches.

In his keynote speech, the Minister of State, Minister of Agriculture and Livestock stressed the importance and relevance of the Project to Build Climate Change Resilient Agriculture in Niger by reducing the population's vulnerability to climate shocks and preserving their well-being. Mr. Albadé Abouba pointed out that "adaptation to climate change is for our country one of the main priorities to reduce vulnerability and meet the challenge of rural transformation". Therefore, according to the Minister of State, the PRRACC, as a pilot operation, is co-financed by the West African Development Bank (BOAD) to the tune of XOF10 billion, the Climate Change Adaptation Fund for XOF4.6 billion, the Government of Niger for XOF3.1 billion, BAGRI for up to XOF500 million and an expected contribution of XOF400 million from the project beneficiaries (4,000 households).

The Adaptation Fund is an innovative facility that is financed by the 2% levied on Certified Emission Reduction Units (CERU) transactions under the Clean Development Mechanism (CDM) along with other sources of funding. It makes it possible for developing countries to access resources directly or through regional or multilateral implementing institutions to implement concrete climate change adaptation projects/programmes.

Accordingly, the Minister of State was keen to welcome the consistent commitment of BOAD which, he said, gives priority to "rural development and intensive agriculture", through, inter alia: water management, access to agricultural inputs and equipment, increase and development of food production, agropastoralism and promotion of value chains in the WAEMU region, as reflected in ongoing and completed projects in Niger (PIPA SA, PIDM, ...).

Finally, in launching the PRRACC, the Minister of State reaffirmed the gratitude of the Government of Niger to the AF, BOAD and particularly thanked the CNEDD for its continued support for sustainable development in a secure environment in the country. Earlier, the Chief of BOAD Resident Mission in Niger, Mr. Diao Moustafa, in his speech, recalled that this operation is part of the Renaissance Programme Act II, which is the reference framework for the country's economic and social policy in the medium and long term, and which aims to promote growth with high impact on human development. He stressed that the PRRA-CC project seeks to contribute to ensuring sustainable food security by building the resilience of agriculture to climate change in Niger through modern irrigation techniques. To this end, the project provides for the development of 1,000 ha of market gardening areas in units of 1 to 5 ha, equipped with drip irrigation

kits or californian system, and solar PV kits, to supply energy to the irrigation system. In addition, the project will provide infrastructure to support the processing and marketing of farm products and will carry out capacity building activities for the beneficiary populations as well as environment protection actions. Mr. Diao then recalled that the PRRACC is financed by BOAD in the form of a loan, the Adaptation Fund through a grant, BAGRI, the government of Niger and the beneficiaries.

The Governor of the Niamey region, in his speech, warmly welcomed all the participants to this PRRACC launching ceremony. He pointed out that the project's specificity lies in its objective and funding sources.

At the beginning of the ceremony, the project national coordinator welcomed the guests, stressing, among other things, the opportunity to share with all the stakeholders, the project formulation document content, especially with regard to the area of intervention approach; the financing conditions; the stakeholders' responsibilities, etc. because "the successful implementation of project is strongly linked to the ownership of its approach by stakeholders and beneficiaries". She also made a commitment on behalf of the project team by reiterating that the team set up by the Minister of State, Minister of Agriculture and Livestock will do its best to achieve the objectives of the PRRACC.

Following these speeches, there was a break during which a family photo was taken with the Minister of State, Minister of Agriculture and Livestock and other personalities.

3. PRESENTATION OF THE 2020 ANNUAL WORK PLAN AND BUDGET (AWPB)

The actions provided for in this Annual Work Plan and Budget (AWPB) are broken down into two (2) components of the PRRACC NIGER. These are components 3 and 7.

The 2020 AWPB is estimated at a provisional amount of seven hundred and seventeen million nine hundred and fifty thousand five hundred and eighty francs (XOF717, 950 580).

3.1 Breakdown of the AWPB per funding source

The estimated annual budget for 2020 amounts to XOF717,950,580 and its financing plan is as follows:

- XOF576,000,580 by the BOAD, or 80.23%;
- XOF83,100,000 by the Adaptation Fund (AF), representing 11.57%;
- XOF58,850,000 by the government of Niger, or 8.20%.

3.2 Breakdown of the AWPB per project component

The budget programming per component is broken down as follows:

- ✓ **Component 3: XOF119,540,580 or 16.65 %;**
- ✓ **Component 7: XOF598,410,000 or 83.35 %;**

3.3 Breakdown of the AWPB per expenditure category

In this first year of effective implementation, the breakdown of the estimated 2020 budget by expenditure category is as follows:

The works represent 13.93% of the total cost, or XOF100,000,000;

Goods represent 26.99% of the total cost, or XOF193,780,000;

Services represent 23.06% of the total cost, or XOF165, 540, 580;

Staff costs amount to 20.02% of the total cost, or XOF143,730,000;

Operating costs represent 16% of the total cost, or XOF114, 900, 000;

3.4 Breakdown of the AWPB per component and activities

3.4.1. Component 3

Component 3 programme-budget per activity is detailed in the table below:

3.1 Additional studies	Forecasts	BOAD	AF	Government	Beneficiaries
PMU awareness-raising mission in the five regions	13,234, 741	13,234, 741			
Training and awareness-raising for call for applications and repository sharing	9, 216,327	9, 216,327			
Training and awareness-raising for	9, 754, 512	9,754, 512			

call for proposals					
Sub-projects submission to the SPIN Regional Technical Committee	1, 060, 000	1, 060,000			
Technical and financial analysis of sub-projects by the technical group	10, 150,000	10,150,000			
Sub-projects pre-selection by the SPIN RTC	9, 135, 000	9, 135, 000			
Preparing tender documents for the development and equipment works	66, 990,000	66, 990,000			

3.4.2. Component 7

Component 7 programme-budget per activity is detailed in the table below:

7.1 Investment cost	Forecasts	BOAD	AF	Government
Working visit to the BOAD	3, 000, 000	3, 000, 000		...
Staff training	2, 000, 000	2, 000, 000		...
Means of transport	157,000,000	157,000,000		...
Procurement of office equipment	36,780, 000	25,780,000	11,000,000	
Financial and management control and external audit	26,000, 000	26,000,000		
Monitoring and evaluation	10,000, 000	10,000,000		
Project launch	5,000,000	5,000,000		
Communication	14,000,000		4,000,000	10,000,000

Construction of PMU headquarters'	100,000,000	100,000,000		
7.2 Operating costs				
Staff salaries	102,380,000	81,980,000		20,400,000
2018-2019 wage arrears payment	41,350,000	30,100,000		11,250,000
Mission expenses	20,860,000		20,860,000	
Operating costs	61 240 000		47,240,000	14,000,000
Expenses (social security contributions, medical expenses)	18,800,000	15,600,000		4 ,200,000

3.5 Procurement plan

3.5.1. Supply and equipment contracts

Designation	Donors	Components	Contract type	Contracting method	Project management	Total amount allocated	Number of lots	Date of BOAD notice of no-objection to tender documents	Launching date of the call for tendering	Provisional auction date	Date of contract signing
Rolling stock	BOAD	7	S	NCB	P	157 000 000	1	10 July 20	24 July 20	21 Sept 20	28 Sept 20
Office equipment	BOAD	7	S	Restricted shopping	P	20 940 000	1	01 July 20	15 July 20	4 August 20	12 August 20
Computer equipment	BOAD	7	S	Restricted tendering	P	15 840 000	1	15 July 20	30 July 20	20 August 20	28 August 20

Abbreviations

Project management: P for Programme, C for communal

Contracting method: (AOL =domestic tendering, AOI = international tendering, FACT = 3 invoices, CR =restricted tendering)

Contract type: S =Supply, W = Works C =Consultants ; USD : American dollar

Note - **Dates take into account the time required for the transmission of documents to BOAD.**

- **Restricted tendering are based on consultants' qualifications and costs**

3.5.2. Work contracts

Designation	Donors	Components	Contract type	Contracting method	Project management	Total amount allocated	Number of lots	Date of BOAD notice of no objection to the tender document	Launching date of the call for tendering	Provisional auction date	Date of contract signing	Starting date of services
Building Construction	BOAD	7	W	Domestic call for tenders	P	100 000 000	1	30 June 20	15 July 20	7 Sept 20	21 Sept 20	30 Sept 2020

Abbreviations

Project management: P for Programme, C for communal

Contracting method: (AOL =domestic tendering, AOI = international tendering, FACT = 3 invoices, CR =restricted tendering)

Contract type: S =Supply, W = Works C =Consultants ; USD : American dollar

Note - **Dates take into account the time required for the transmission of documents to BOAD.**

- **Restricted tendering are based on consultants' qualifications and costs**

3.5.3. Consultancy/Firm contracts:

Designation	Donors	Components	Contract type	Contracting method	Project management	Total amount allocated	Number of lots	Date of BOAD notice of no objection to the tender document	Launching date of the call for tendering	Provisional auction date	Date of contract signature	Starting date of services
External financial audit	BOAD	7	C	Restricted tendering	P	6,000,000	1	20 August 20	02 Sept 20	02 Oct 20	15 Oct 20	21 Oct 20
Procedures manual, software, accounting assistance	BOAD	7	C	Restricted tendering	P	20,000,000	1	29 June 20	13 July 20	29 July 20	12 August 20	24 August 20
Benchmark survey	BOAD	7	C	Restricted tendering	P	10,000,000	1	30 June 20	20 July 20	10 August 20	17 August 20	28 August 20

Abbreviations

Project management: P for Programme, C for communal

Contracting method: (AOL =domestic tendering, AOI = international tendering, FACT = 3 invoices, CR =restricted tendering)

Contract type: S =Supply, W = Works C =Consultants ; USD : American dollar

Note - **Dates take into account the time required for the transmission of documents to BOAD.**

- **Restricted tendering are based on consultants' qualifications and costs**

3.5.4. Project training plan for 2020

Themes / centre of interest	Targets	Staff	Duration (day)	Period	Location	Supervisors	Cost
Project management	Coordinator	1	14	End of 2 nd semester	Dakar	Consultants	3,000,000

3.6 SCHEDULE OF ACTIVITIES

Components	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Component 3 control, monitoring and supervision of works				...
Component 3.1: additional studies and preparation of tender documents				
Component 7: Project coordination and management				
7.1 Investment cost				
Preparing the working visit to BOAD and staff training				
Staff training				
Means of transport				
Procurement of office equipment				
Financial and management control and external audit				
Monitoring and evaluation				
Project launch				
Communication				
Construction of PMU headquarters				
7.2 Operating costs				
Staff salaries				
2018-2019 wage arrears payment				
Mission expenses				
Operating costs				

4. DESCRIPTION OF PROJECT MANAGEMENT UNIT (PMU)

4.1 Staff list

The project manager is the Republic of Niger, represented by the Ministry of Agriculture and Livestock (MAG/EL). The project will be managed by a Project Management Unit with administrative and financial management autonomy. It will operate directly under the General Directorate of Rural Engineering (DGGR) of the Ministry of Agriculture and Livestock and based in Niamey. The PMU is composed of:

- (i) A Coordinator (Rural Engineer) from the MAG/EL;
- (ii) an Infrastructure and Equipment Manager, Rural Engineer, expert in environmental issues from the MAG/EL ;
- (iii) a Development Manager, Agricultural Engineer, specialized in agriculture and focal point for the Niamey Region, from the MAG/EL ;
- (iv) a Monitoring and Evaluation Manager, from MAG/EL ;
- (v) an Administrative and Financial Manager, procurement expert, recruited
- (vi) (vi) support staff recruited (one accountant, procurement expert, one secretary, seven (7) drivers, one office boy/messenger, one handyman, two security guards (night and day) and four (4) focal points made available to the project by the Ministry.

4.2 PMU location

The project is located in the 'Francophonie' district in the building opposite the Nigelec power station.

4.3 Deployment schedule

The National Coordinator, the Infrastructure and Equipment Manager, the Development Manager, the Monitoring and Evaluation Manager, experts of the PMU are made available to the project by the Ministry upon proposal by the Permanent Secretary of the Ministry of Agriculture and Livestock, following the non-renewal of the contract of the one who was recruited and who did not give satisfaction at the end of the probation period.

The four (4) focal points, support staff will be put at the disposal of the project by the Ministry upon proposal by the Permanent Secretary of the Ministry of Agriculture and Livestock.

Among the support staff, the accountant in charge of procurement is recruited following a call for expressions of interest published in the official gazette of Niger.

The recruitment process for the remaining support staff (seven including six (6) drivers, one office boy/messenger) is underway.

4.4 Performance contracts (attached)

- Performance contract for the National Coordinator
- Performance contract for the Infrastructure and Equipment Manager
- Performance contract for the Monitoring & Evaluation Manager
- Performance contract for the Development Manager
- Performance contract for the Administrative and Financial Manager
- Performance contract of the Accountant in charge of Procurement

5 PROJECT PHYSICAL AND LEGAL STATUS

- Order No. 285/MAG/EL/DIRCAB/SG/DGGR of 10 August 2018 creating the PRRACC NIGER project
- Order N°290/MAG/EL/DIRCAB/SG/DGGR of 14 August 2018 on the creation, composition and functioning of the national steering committee of the PRRACC NIGER project
- Order N°292/MAG/EL/DIRCAB/SG/DGGR of 20 August 2018 establishing the PRRACC NIGER project management unit

5.1 Signing of financing agreements

- The Loan Agreement No. 2017008/PR NG 2018 12 00 amounting to ten billion XOF(XOF10,000,000,000) between the West African Development Bank (BOAD) and the Republic of Niger, was signed on 8 May 2018 in Niamey.
- The Grant Management Agreement N°2018054/DON FA NG 2019 25 00 for an amount of four billion five hundred and seventy-one million XOF (XOF4,571,000,000) between the West African Development Bank (BOAD) and the Republic of Niger was signed on 23 August 2019 in Lomé.

5.2 Waiver of conditions

- Letter of commitment of the Republic of Niger N°000726/MP/DGPD/DP of 5 October 2018 written as part of the partial financing of the PRRACC NIGER project
- Legal notice N°000006/2018/DGAJ/C/DG p.i of 16 July 2018
- Letter of ratification N°000021/PRN from the President of the Republic of Niger
- Recruitment of the national project coordinator, experts (Infrastructure and Equipment Manager, Development Manager, Monitoring and Evaluation Manager and Administrative and Financial Manager).
- The opening of the project's imprest account.

6 MAJOR CHALLENGES

No major challenges occurred during the launching activities of the PRRACC Niger project.