



## IDMP

# Development of dry season farming site for the women in the village of KANKANTOUTI

### What is it about?

For the implementation of the Integrated Drought Management Project in West Africa (IDMP / WA), pilot actions of innovative initiatives are planned for the demonstration of adaptation and resilience to the effects of climate change locally.

Like the other parts of Niger, the Department of Torodi is subject to weather conditions marked by insufficient rainfall with poor spatial and temporal distribution. The continued deterioration of the productive potential has led to declining yields of major crops, resulting in repetitive food insecurity. The consequences of the current situation marked by the rapid depletion of groundwater in the Goroubi Valley, due to drought, are severely felt by women who represent the most vulnerable layer.

Women in Kankantouti practice various activities. These are household farming, market gardening, small livestock husbandry, fattening and small businesses. Incomes generated by these activities are quite negligible compared to the enormous needs to be met (clothing, food, health, children's education, etc.). There is a real problem of poverty.

To maximize returns from these activities the women's group of kankantouti was created, and adhered to the Union Potal. All group members practice market gardening.

Initially, everyone was doing production on poorly fenced adjoining plots, but since the creation of the group a common site was chosen, which unfortunately suffers from an insecure fencing and inadequate irrigation facilities. Furthermore, the lack of consistent fencing regularly leads to conflicts between farmers and the population composed in large majority of agro pastoralists, following damages caused by animals on the crops.

The project for the development of dry season farming site for the women of the village of KANKANTOUTI intends to reverse this trend by allowing group members to carry out activities in the so-called off-season period in their village.

This pilot action is in line with the axis 3 of Economic and Social Development Programme (PDES) on food security and sustainable agricultural development and the axes 1 and 3 of the Initiative Niger people Nourish Nigeriens (I3N), namely 1). Growth and diversification of agro-forestry-pastoral production and fisheries 3). Improving the resilience of vulnerable groups to climate change, food crises and natural disasters.



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### Where is this initiative located?

The project will be implemented in the village of Kankantouti in the department of Torodi located in the western part of the region of Tillabéri. Torodi department spans over 6,900 km<sup>2</sup> with a population of 189,124 inhabitants (RGP / 2012). It is bordered to the East by the Rural Commune of Guéladio (Department of Say), to the West and South by Burkina Faso and to the North by the Rural Commune of Gothèye.

The local economy is based on agriculture and animal husbandry which are the main activities, in addition to trade, gold mining and crafts. Unfortunately, the two main areas of activity are subject to weather conditions including inadequate and the poor spatial and temporal distribution of rainfall, pests, soil poverty, water and wind erosion, etc.

There is a continuing decline in production potential resulting in lower yields of the main crops (millet, sorghum, maize) causing a repetitive food insecurity. Moreover, this situation does not allow for the development of some highly profitable crops such as garlic, spices, chili, corn, potatoes.

### Why this action?

The action aims to improve the incomes of households and of women through the practice of dry season farming. It is about developing a common site for women to practice dry season farming, supporting producers with small gardening equipment and farm inputs, and building the technical and organizational capacity of the group.

The action will allow for the mobilization of water resources for agricultural development and also helping in the transformation of some food products for consumption and marketing [millet and sorghum cream (dégué), bassi of millet, couscous made from three cereals (maize, wheat and rice), nieriz (cowpea and rice), etc.] directly related to the 3N Initiative "Nigeriens nourish Nigeriens."

The development of the site will allow growing new crops that were not previously possible in the area (moringa, chili, pepper, garlic, spices, maize, and potato), reducing conflicts, improving yields and strengthening the economic and human capabilities of women in the group which is member of the Union.

The realization of irrigated farming using two (2) market gardening modern wells is a measure of adaptation to the adverse effects of drought and climate change.

## Who are the beneficiaries of this action?

The direct beneficiaries are women members of the market gardening group of the village of Kankantouti. The group has sixty-eight (68) women members. The indirect beneficiaries are the other members of the Union and the people of the village of Kankantouti. The Liptako Gourma Union, "Potol", was created in 2010 to promote the economic activities of women and fight against poverty. It has 13 market gardeners' groups including 11 women groups and 2 mixed groups, totaling 729 individuals including 689 women and 40 men.

## How will the project be implemented?

Trees will be planted along the perimeter of the site. The upkeep of the nursery and the planting will be done by the producers under the supervision of the Department of Environment.

Two modern irrigation wells will be constructed by a contractor selected by the Union and the financial partner, after invitation to tender. The work will be supervised by the Departmental Directorate of Rural Engineering.

The site will be equipped with two gasoline powered pumps the technical monitoring of which will be ensured by the monitoring committee and operation (fuel, maintenance ...) by the beneficiaries through contributions or the payment of royalties in proportion to the area cultivated by each farmer under the control of the Departmental Directorate of Agriculture.

The site will have a kit of small gardening equipment composed of gardening hoes, rakes, wheelbarrows, watering cans and a set of inputs consisting of vegetable seeds, fertilizers and pest control products under the control of the departmental Directorate of Agriculture.

An agro-food processing unit was acquired



by the group in 2014 at a cost of 6 and a half million FCFA. The project will support the acquisition of 4 donkey carts for transportation of products to the processing unit, the purchase and installation of two solar panels for the supply of renewable energy.

All group members will be trained in Association life and agricultural marketing by the experts of the Departmental Directorate of Plan / AT / DC and the Departmental Directorate of Agriculture or as required by a local service provider.

CWP-Niger and the regional coordination of PROGIS will conduct monitoring visits of the planned achievements. They will determine the periodicity of those visits.

## Activities and results?

The planned activities include information and sensitization of the populations, site development, provision of inputs and small equipment, building the technical and organizational capacity of the group and monitoring / evaluation. The expected results aim to improve food security and fight against poverty.

The project will develop a site of one hectare for dry season farming for the women of the market gardener group of KANKANTOUTI with a wire fence protection, the development of an irrigation scheme, provide the members of the group with gardening equipment and inputs, help in the processing of some food products and finally build the technical and organizational capacity of the market gardener group of KANKANTOUTI.

### DURATION OF THE ACTION

The duration of the project is 12 months. However, the operation of the site will take several years.

### FUNDING

38% of the total project cost will be mobilized by the beneficiaries and the remaining 62% by IDMP-WA.

### PARTNERS OF THE ACTION

The Rural Commune of Torodi, the Women Groups members of the Union "Potol", the Departmental Directorate of Rural Engineering, the Environment Service, the Departmental Directorate of Plan / AT / DC and the Departmental Directorate of Agriculture

## Introductory note to IDMP-WA

The Integrated Drought Management Project in West Africa (IDMP-WA) is the West African component of the global Integrated Drought Management Program (IDMP). The IDMP is a joint program of the World Meteorological Organization (WMO) and the Global Water Partnership (GWP) launched on March 13, 2013, to improve the monitoring and prevention of one of the greatest natural risks in the world. At regional level, it was launched on January 28 and 29, 2015 in Ouagadougou and is planned for 3 years from 2015.

The overall objective of IDMP WA is to help stakeholders at all levels by providing practical and strategic directions and by disseminating scientific information / knowledge as well as best practices on integrated drought management.

Specifically, it is about catalyzing change by improving drought management through application of IWRM principles; generating and communicating knowledge focusing on capacity development, knowledge sharing and

promotion of a culture of proactive communication, to promote better management of drought and finally to strengthen partnerships focusing on building resilience and network efficiency through stronger partnerships and good governance.

The IDMP-WA concerns Burkina Faso, Mali and Niger for the pilot actions, the results of which will be used in the entire West African sub-region through capacity building and sharing of scientific information, knowledge and best practices.

The demonstration micro-projects in the three (3) target countries should allow among other things to contribute to fight against poverty through innovative action and prevention plans to increase the adaptive capacity of the populations to the adverse effects of drought.