

# Niger - Irrigation and Market Access

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# Overview

## Identification

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**COUNTRY**

Niger

**EVALUATION TITLE**

Irrigation and Market Access

**TRANSLATED TITLE**

Irrigation et Accès au Marché au Niger (IAM)

**EVALUATION TYPE**

Independent Performance Evaluation

**ID NUMBER**

DDI-MCC-NER-IE-AGRICULTURE-2020-v01

## Version

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**VERSION DESCRIPTION**

Version 01

## Overview

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**ABSTRACT**

The IMAP (Irrigation and Market Access Project) evaluation is a mixed-methods performance evaluation using an implementation and outcomes analysis to evaluate the implementation, results, and sustainability of the rehabilitation of the irrigation perimeter and such complementary IMAP activities as farmer training and policy reforms. A qualitative analysis, through document reviews and key informant interviews, addresses questions on implementation and sustainability of the activities. The evaluation design for the Konni perimeter comprises a quantitative pre-post performance evaluation to estimate changes in outcomes spanning the intervention's duration. In addition, the evaluator is collaborating with RTI International and NASA on using analyses of drone and satellite images to complement household survey data collection.

**EVALUATION METHODOLOGY**

Pre-Post

**UNITS OF ANALYSIS**

Households, community

**KIND OF DATA**

NA

**TOPICS**

Topic	Vocabulary	URI
Agriculture and Irrigation	MCC Sector	
Gender	MCC Sector	
Land	MCC Sector	

**KEYWORDS**

Niger, Agriculture, Land tenure, Irrigation, Market facilitation, Gender, Youth

## Coverage

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**GEOGRAPHIC COVERAGE**

Konni perimeter, around the city of Birni N’Konni (Konni), region of Tahoua.

**UNIVERSE**

Households in the Konni perimeter

## Producers and Sponsors

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**PRIMARY INVESTIGATOR(S)**

Name	Affiliation
Mathematica	

**FUNDING**

Name	Abbreviation	Role
Millennium Challenge Corporation	MCC	

## Metadata Production

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**METADATA PRODUCED BY**

Name	Abbreviation	Affiliation	Role
Millennium Challenge Corporation	MCC		Review of Metadata
Mathematica			Independent Evaluator

**DATE OF METADATA PRODUCTION**

2020-02-12

**DDI DOCUMENT VERSION**

Version 1 (Original 2020-02-12)

**DDI DOCUMENT ID**

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## MCC Compact and Program

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**COMPACT OR THRESHOLD**

Niger Sustainable Water and Agriculture Compact (2017-2022)

**PROGRAM**

The Compact, which will be implemented from 2017 to 2022, includes the (1) Climate-Resilient Communities Project, which aims to improve agricultural productivity for small-scale farmers, preserve natural resources, and improve market sales of certain goods and the (2) Irrigation and Market Access Project (IMAP), which aims to increase agricultural productivity and agricultural sales through complementary activities. The activities of the IMAP include constructing new irrigated perimeter(s) in the Dosso-Gaya area that serve the Ouna-Kouanza and Sia areas, rehabilitating irrigation infrastructure land in the Konni area, training farmers, promoting policy reform, and upgrading rural and highway roads to connect the Dosso-Gaya perimeters and facilitate trade. They are classified as (Activity 1) Irrigation perimeter development, (Activity 2) Management Services and Market Facilitation: Sustainable Irrigation System Management, (Activity 2) Management Services and Market Facilitation: Agricultural Support Services, (Activity 2) Management Services and Market Facilitation: Land Tenure Security, (Activity 3): Roads for Market Access, (Activity 4): Policy Reform Activity: Fertilizer Reform

**MCC SECTOR**

Agriculture and Irrigation (Ag & Irr)

**PROGRAM LOGIC**

This project’s program logic stipulates that investing in large-scale irrigation infrastructure will result in increased water availability for project beneficiaries during the wet and dry seasons (MCC 2018). The project will supplement the large-scale irrigation infrastructure with technical assistance and training in water management, savings, improved production practices, agricultural marketing, and other complementary skills. Through this investment in capacity-building, program beneficiaries

in the irrigated perimeters will be able to use the water more productively and more efficiently produce higher-value crops, leading to increased sales. Land tenure security is expected to increase as a result of the provision of formal land use rights and a more robust land governance system. In addition, to facilitate the transportation of agricultural products to markets, MCC will invest in roads that link to the irrigation perimeter. Through road upgrades, project beneficiaries will be able to more quickly and seamlessly access inputs, services, and markets, and sell their increased production. The combined investments in infrastructure, human capacity, land tenure strengthening, and market access will enable Niger's farmers to move from subsistence farming to higher-value commercial/cash crop agriculture, leading to growth in rural incomes as well as food security.

**PROGRAM PARTICIPANTS**

Households in the Konni perimeter, households close to Konni (but outside the perimeter)

## Sampling

### Study Population

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Households in the Konni perimeter

### Sampling Procedure

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NA-fill out after data collection is complete

### Deviations from Sample Design

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Not applicable, as this report outlines the sample design

### Response Rate

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Not applicable, as this report outlines the sample design

# Questionnaires

## Overview

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Household

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
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### Data Collection Notes

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NA-fill out after data collection is complete

### Questionnaires

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Household

### Supervision

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N/A, as we have not yet collected the data or procured the data collection

## **Data Processing**

### Data Editing

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N/A, as we have not yet collected the data

### Other Processing

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N/A, as we have not yet collected the data

## **Data Appraisal**

### Estimates of Sampling Error

Not applicable, as this report outlines the sample design