

Mozambique - Integrated Growth Poles Project 2016, Impact Evaluation

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Identification

SURVEY ID NUMBER

MOZ_2016_IGPPIE_v01_M

TITLE

Integrated Growth Poles Project 2016, Impact Evaluation

SUBTITLE

Baseline Survey

COUNTRY/ECONOMY

| Name | Country code |
|------------|--------------|
| Mozambique | MOZ |

STUDY TYPE

Other Household Survey [hh/oth]

ABSTRACT

The World Bank's Africa Gender Innovation Lab (GIL) and the World Bank's Global Practice Finance, Innovation and Competitiveness partnered with the Mozambique Integrated Growth Poles Project (IGPP) to assess the impact of the rehabilitation of two feeder roads in Tete province on household welfare. The region is characterized by high agricultural potential growth but suffers from weak market linkages, which could be improved through upgraded market access roads. After the IGPP's technical and economic assessment, the roads R604 and R605 crossing Angonia, Tsangano, Chiuta, Macanga districts were given priority for the investment and rehabilitation. From October 2017 to July 2019, a total of 104 km of road R605 and 104 km of road R604 were rehabilitated, including the sealing of 32 and 26 kilometers of paved roads respectively. The maintenance works by the contractor continued on the two roads to maintain all weather road access up until April 2020.

The IGPP was a 6-year World Bank financed project (Cr 5237-MZ) amounting to SDR 66,100,000 (US\$100 million equivalent), on April 25, 2013 and became effective on August 23, 2013. It lasted until April 2020.

The impact assessment on the effects of the roads rehabilitation included three data collections from 2016 to 2019. The baseline survey was conducted from April to June 2016 on a sample of about 3,000 households in 150 rural communities (~20 households per community). Half of the sample is located along the two roads rehabilitated under the IGPP (R604 and R605), and the other half along two other roads that were not rehabilitated (N302 and R603).

Two survey instruments were designed to capture socioeconomic and agricultural outcomes: a household questionnaire and a community questionnaire. The household questionnaire collected information on (i) agricultural production and sales, crop choices, input usage, and farming practices; (ii) employment including off-farm; (iii) noncognitive skills; (iv) women empowerment and intra-household bargaining; (v) household and farm assets; (vi) household shocks; (vii) household and farm assets; and (viii) consumption. The community questionnaire focused on village-level crop prices and access to services and infrastructures.

The information gathered from the survey would generally aid decision makers in the formulation of economic and social policies to:

- Construct models to simulate the impact on individual groups of the various policy options and to analyze the impact of decisions that have already been implemented and of the economic situation on living conditions of households
- To provide benchmark data for the district assemblies

The survey can be important for planners to know how to improve the quality of people's living standards. The Minister of Economy and Finance, the Minister of Agriculture and Rural Development, the Minister of Land and Environment of the Government of Mozambique would benefit from the data of this survey. District Authorities, Research Institutions, Non-Governmental Organizations and the general public will also greatly benefit from data of this survey.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households, individuals and plots of land in Angonia, Tsangano, Chiuta and Macanga districts in the Province of Tete of

Mozambique.

Scope

NOTES

The scope of the Community Survey includes:

- A. Identificação
- B. Pessoas Entrevistadas
- C1. Acesso a Sede
- D. Ocorrência de Calamidades Naturais, Pragas e Epidemias Severas em Culturas/Animais e Programas de Assistência
- E. Trabalhadores Temporários
- F. Acesso aos Mercados de Insumos
- G. Preços aos Produtores na Campanha 2014/2015
- G. Preços aos Produtores na Campanha 2014/2015
- I. Indicadores de Segurança Alimentar
- J. Disponibilidade de Electricidade e Serviços de Comunicação
- K. Disponibilidade de Água
- L. Infra-Estruturas de Processamento, Comércio e Indústria
- L2. Infra-Estruturas de Processamento, Comércio e Indústria
- M. Crédito Agro-Pecuário
- N. Mecanismos de Acesso a Terra
- Q. Culturas Praticadas e Calendário de 2014/15
- R. Sociedade

The scope of the Household Survey includes:

- A. Identificação da Exploração
- B. Membros do Agregado Familiar (AF)
- C. Acesso Aos Serviços, Associações, Crédito Agrário
- D1. Trabalho Remunerado Fora da Sua Própria Exploração
- E Ocorrência de Calamidades Naturais e Práticas Agrícolas Durante a Campanha Agrícola (2014/2015)
- D2. Trabalho por Conta Própria: Produtos Florestais, Faunísticos E Pesca
- D3. Outro Trabalho por Conta Própria
- D4. Remessas e Pensões
- E1. Identificação das Machambas/Parcelas Campanha 2014/2015
- E2. Regime de Propriedade e Utilização das Machambas/Parcelas Campanha 2014/2015
- E3. 1ª Época da Campanha de 2014/2015 (Setembro 2014 - Março 2015): Uso e Insumos (Mão de Obra, Fertilizantes e Pesticidas)
- E4. 2ª Época da Campanha de 2014/2015 (Março 2015 - Agosto 2015): Uso e Insumos (Mão de Obra, Fertilizantes e Pesticidas)
- F1. Áreas e Espaço Relativo das Culturas Durante a 1ª Época (Setembro 2014 - Março 2015)
- F2. Áreas e Espaço Relativo das Culturas Durante a 2ª Época (Março 2015 - Agosto 2015)
- G1. Produção e Venda de Culturas Durante 1ª Época da Campanha 2014/2015 (Setembro 2014 - Março 2015)
- G2. Produção e Venda de Culturas Durante 2ª Época da Campanha 2014/2015 (Março 2015 - Agosto 2015)
- P. Indicadores de Bem Estar, Segurança Alimentar e Vulnerabilidade do Agregado Familiar
- Q. Consumo
- Y. Poder Negocial
- V. Verificação Respondente Módulos Homem E Mulher
- T. Contactos CAF, Conjuge É Outros Membros do AF

Coverage

GEOGRAPHIC COVERAGE

Mozambique: Angonia district, Tsangano district, Chiuta district, and Macanga district all located in the Province of Tete.

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|------------------|----------------|
| Francisco Campos | The World Bank |
| Joao Montalvao | The World Bank |
| Claire Boxho | The World Bank |

PRODUCERS

| Name |
|----------------|
| The World Bank |

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

| Name | Affiliation |
|-------------------------------------|---------------------------|
| The Minister of Economy and Finance | Governement of Mozambique |

Sampling

SAMPLING PROCEDURE

The baseline sample is comprised of 2,292 households living in 150 communities. Half of the communities are located along the rehabilitated roads R604 and R605, and the other half are located on R603 and N302 that are not targeted by road rehabilitation works. The sample is also stratified by distance to the roads: half of the communities are located 0-2 km away from the roads, and the other half located 2-10 km away from the roads. To define the sample, the survey firm COWI Moçambique crossed databases from the National Institute of Statistics (INE), Cenacarta and District Administrations in the survey area, then geo-referenced existing settlements from Google Earth images and produced maps for a 10 km corridor around the roads. Based on these maps, the COWI team together with a representative of the Gender Innovation Lab held meetings with the District Administrations and did ground-truthing along the four roads to detail the existing communities and clean the mapping.

Data Collection

DATES OF DATA COLLECTION

| Start | End | Cycle |
|------------|------------|----------|
| 2016-04-01 | 2016-06-01 | Baseline |

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The main mode of data collection was the use of a structured questionnaires. In some cases there were open ended questions in which the respondent could provide text. In many cases however the respondent was provided with coded answers from which to choose. These questionnaires were administered by enumerators who visited the homes of the participating households at a time convenient for the respondents.

DATA COLLECTORS

| Name |
|-----------------|
| COWI Moçambique |

Questionnaires

QUESTIONNAIRES

Depending on the household type (single women or married women), different portions of the household questionnaire were

administered to the spouses together, the husband alone or the wife alone. The data consists of responses from household to questions pertaining to (i) agricultural production and sales, crop choices, input usage, and farming practices; (ii) employment including off-farm; (iii) noncognitive skills; (iv) women empowerment and intra-household bargaining; (v) household and farm assets; (vi) household shocks; (vii) household and farm assets; and (viii) consumption.

Whenever relevant, the agricultural module of the household questionnaire was collected at the season level rather than at the yearly level. In the region, the agricultural calendar is composed of two agricultural seasons. The first season running from September to February is more intensive and concentrates most quantities produced of the rainfed cultures (e.g. maize, beans, soy, groundnuts, tobacco). The second season, also called the dry season, runs from March to August and is more favorable for the cultivation in wet areas (called zonas baixas) of horticultural crops. Almost every household cultivates during the first season, whereas only a third to half of the households cultivate during the second season due to the difficulty of accessing humid areas suitable for cultivation.

The community questionnaire covered the following topics: i) remoteness; ii) access to electricity, water and communication services; iii) access to agricultural inputs markets; iv) access to agricultural output markets; v) access to land; vi) prevalence of natural shocks; vii) food security; viii) social traditions; and finally ix) crop prices. In each community, the leader together with other four influential individuals reported the market price at which each crop is sold in the community or in the closest market.

The community questionnaire and household questionnaire are available in Portuguese for download.

Access policy

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Disclaimer and copyrights

DISCLAIMER

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Metadata production

DDI DOCUMENT ID

DDI_MOZ_2016_IGPPIE_v01_M_WB

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|------------------------|--------------|-------------|----------------------------|
| Development Data Group | DECDG | World Bank | Documentation of the study |

DATE OF METADATA PRODUCTION

2022-05-23

DDI DOCUMENT VERSION

Version 01

Data Dictionary

| Data file | Cases | Variables |
|---|-------|-----------|
| Section_A.dta Community Questionnaire - Section A | 150 | 16 |
| Section_B.dta Community Questionnaire - Section B | 693 | 6 |
| Section_C.dta Community Questionnaire - Section C | 150 | 17 |
| Section_D.dta Community Questionnaire - Section D | 750 | 10 |
| Section_E.dta Community Questionnaire - Section E | 1050 | 13 |
| Section_F.dta Community Questionnaire - Section F | 1050 | 11 |
| Section_G.dta Community Questionnaire - Section G | 154 | 5531 |
| Section_J.dta Community Questionnaire - Section J | 150 | 11 |
| Section_K.dta Community Questionnaire - Section K | 300 | 7 |
| Section_L1.dta Community Questionnaire - Section L1 | 2850 | 13 |
| Section_L2.dta Community Questionnaire - Section L2 | 150 | 10 |
| Section_M.dta Community Questionnaire - Section M | 150 | 4 |
| Section_N.dta Community Questionnaire - Section N | 150 | 30 |
| Section_Q.dta Community Questionnaire - Section Q | 10200 | 19 |
| Section_R.dta Community Questionnaire - Section R | 150 | 5 |
| Section_A.dta Household Questionnaire - Section A | 2992 | 30 |
| Section_B.dta Household Questionnaire - Section B | 14065 | 17 |
| Section_C.dta Household Questionnaire - Section C | 14065 | 114 |
| Section_D.dta Household Questionnaire - Section D | 14065 | 59 |
| Section_D4.dta Household Questionnaire - Section D4 | 2992 | 129 |
| Section_E.dta Household Questionnaire - Section E | 4956 | 181 |
| Section_F.dta Household Questionnaire - Section F | 18782 | 36 |

| | | |
|---|-------|-----|
| Section_G.dta Household Questionnaire - Section G | 16722 | 93 |
| Section_M.dta Household Questionnaire - Section M | 4956 | 11 |
| Section_P.dta Household Questionnaire - Section P | 2992 | 50 |
| Section_Q.dta Household Questionnaire - Section Q | 2992 | 104 |
| Section_T.dta Household Questionnaire - Section T | 2992 | 13 |
| Section_V.dta Household Questionnaire - Section V | 2992 | 20 |
| Section_X.dta Household Questionnaire - Section X | 2992 | 203 |
| Section_Y.dta Household Questionnaire - Section Y | 2992 | 33 |