



Evaluating the Additionality of a Belgian Development Program: the Case of BTC Supports to Agricultural Entrepreneurs in Benin

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Belgian Policy Research Group on Financing for Development.

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Private Sector Financing

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CENTRE DE RECHERCHE DE RECHERCHERCHE DE RECHERCHE DE RECH

Background: Entrepreneurship and Finance

- Entrepreneurship is an important engine for economic development
- Micro, Small and Medium Size Enterprises (MSME) account for 90% of job creation in developing countries
- Finance constraints undermine their growth

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Background: Entrepreneurship and Finance

- Entrepreneurs in agriculture, especially, face severe difficulties to finance term investments
- Development cooperation should play a catalytic role
- In 2001-2013, private sector support account for 18% of Belgium non-debt ODA
- Of which 85% is channelled to agriculture



Policy (Research) Objectives

- •A deep evaluation of welfare impact of the supports to entrepreneurs is crucial (e.g. OECD, 2007)
- Important to understand their Additionality!!!!
- Help to scale-up and adapt existing programs
- Avoid practices & instruments that have little return

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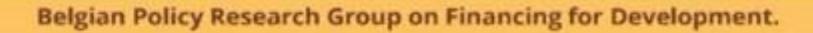




1. Data availibility over time of good quality

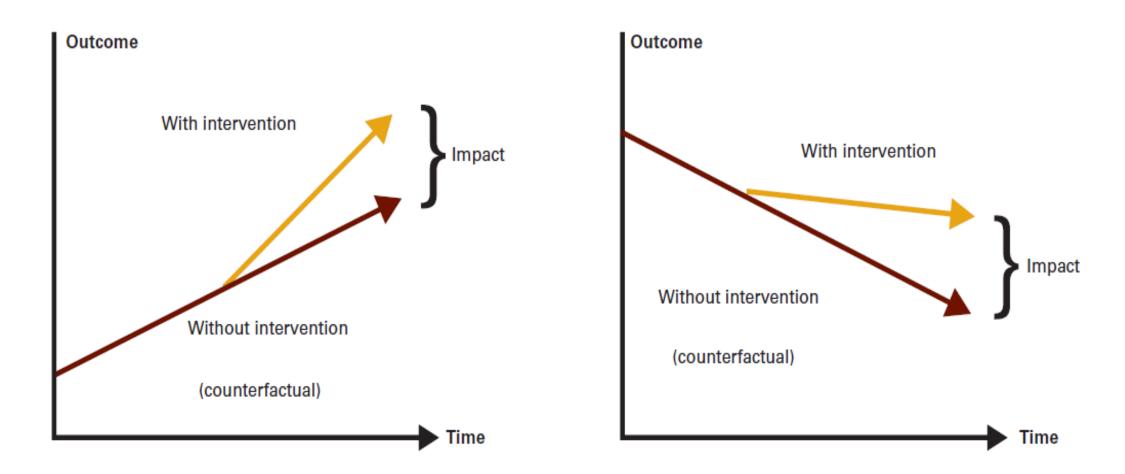
- 2. Need to analyze 2 groups of entrepreneurs
 - i. Treatment group
 - ii. Control group

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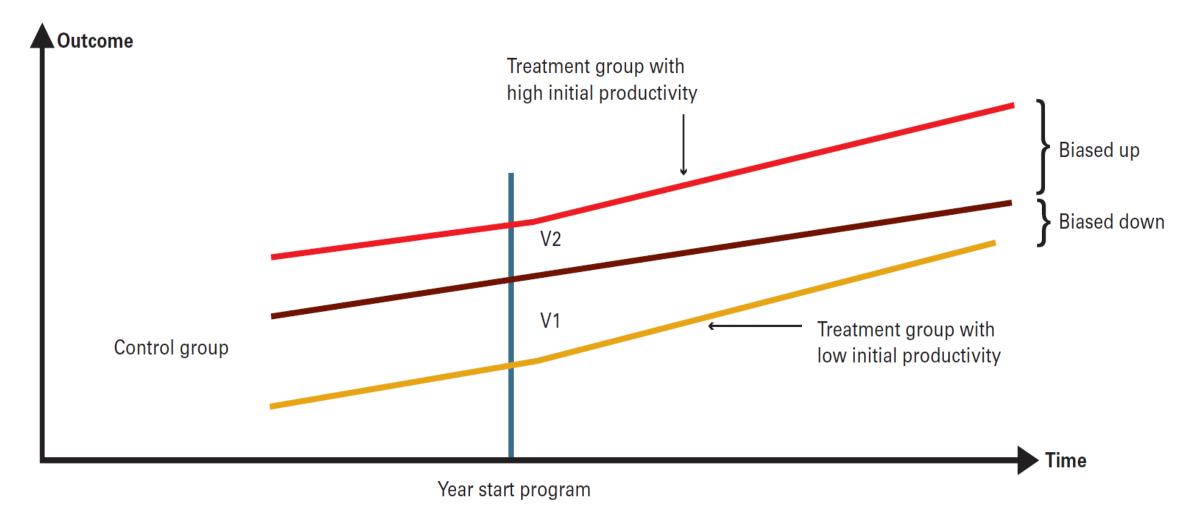
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Control and intervention groups



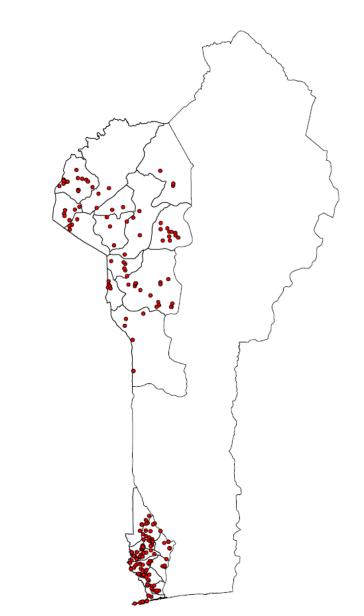
Source: López-Acevedo and Tan (2011).

Need to account for Unobservables



Source: López-Acevedo and Tan (2011).

BTC Programs in Benin as Case Study



1. Two Regions

- <u>North</u>: Atacora Donga (AD)
 - 13 communes
- <u>South:</u> Mono Couffo (MC)
 - 12 communes

2. Three Crops

- Cashew
- Rice
- Vegetable



Past BTC-Benin (FAFA and FAIA) Programs

- Subsidies & technical support to entrepreneurs
- We were faced with many methodological challenges

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- Groups definition was problematic
- We cannot infer any observed difference in performance of entrepreneurs to the BTC project
- Also were data quality problems



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New BTC-Benin Program: PROFI (2016)

- PROPFI: a good case study
- PROFI: BTC provides Subsidies & technical supports to organizations of entrepreneurs
- BTC Selection process: exclusion and prioritisation criteria
- BeFinD designs a Randomized Evaluation of PROFI

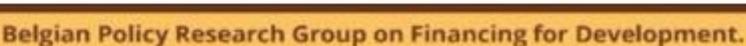




Outline

- 1. BTC Framework and Selection process
- 2. Evaluation design
- 3. Baseline survey design
- 4. Baseline preliminary findings
- 5. Challenges
- 6. Concluding remarks





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BTC Framework and Selection Process of Beneficiaries







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1. BTC Framework

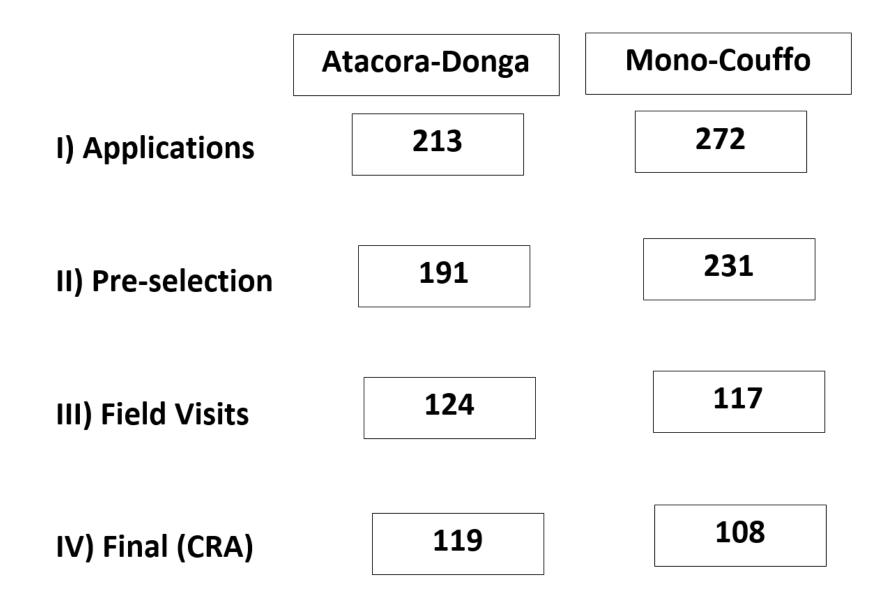
• Three important steps in BTC support

1. Selection of beneficiaries

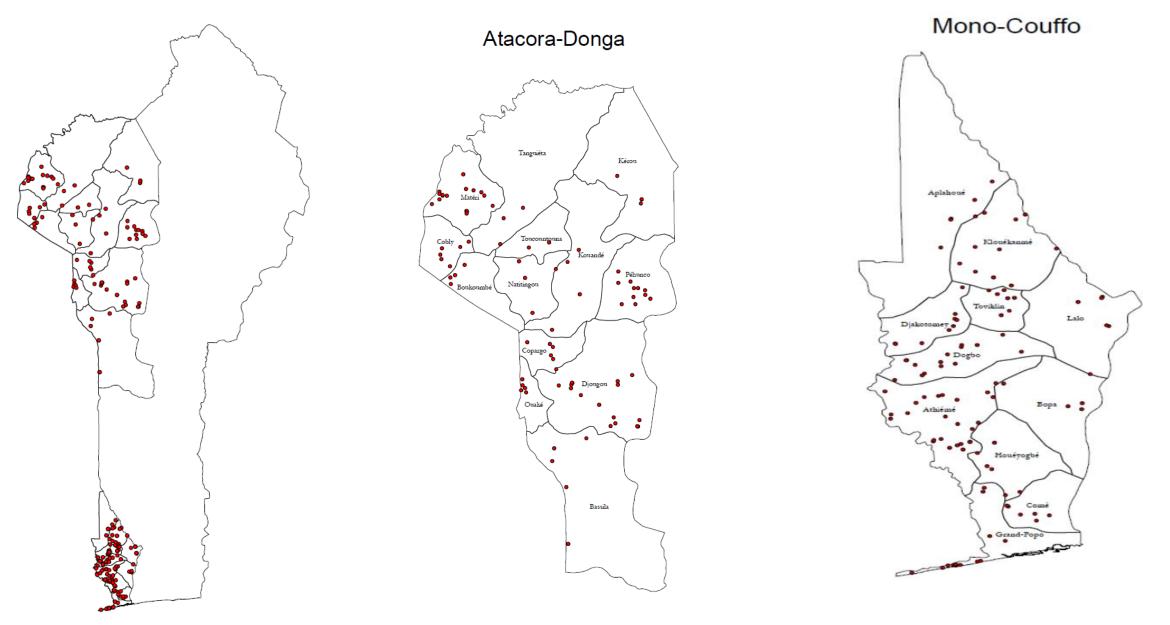
2. Audits and business plans

3. Support are delivered

1.1 Selection Process: 4 Phases



1.1 Localisation of MIC Plots



1.2 Pre-selection

| α | | M | C¤ | AD× | | | |
|---------------------------------|---|------------|-----------|-----------|----------|--|--|
| ۲ | | ¤ | ¤ | ¤ | ¤ | | |
| VARIABLES¤ | | select1¤ | dy∕dx¤ | select1¤ | dy∕dx¤ | | |
| ۲ | | ۲ | ¤ | ۳ | ¤ | | |
| Rice¤ | | -0.552*¤ | -0.08261¤ | 1.637**¤ | 0.249374 | | |
| | ¤ | (0.298)¤ | ¤ | (0.772)¤ | ¤ | | |
| Anacarde¤ | | ¤ | α | -0.120¤ | -0.01827 | | |
| | ¤ | α | α | (0.967)¤ | ¤ | | |
| Transformation¤ | | ¤ | α | -0.648¤ | -0.09866 | | |
| | ¤ | α | α | (0.607)¤ | ¤ | | |
| <u>Commercialisation</u> ¤ | | ¤ | α | -0.270¤ | -0.04114 | | |
| | ¤ | α | α | (0.723)¤ | ¤ | | |
| Formality¤ | | 0.761**¤ | 0.114009¤ | 1.018***¤ | 0.155019 | | |
| | ğ | (0.370)¤ | ¤ | (0.337)¤ | ¤ | | |
| Ln(Budget·Requested)¤ | | 0.318**¤ | 0.047586¤ | 0.944***¤ | 0.143798 | | |
| | ¤ | (0.159)¤ | ¤ | (0.275)¤ | ¤ | | |
| Ln(Organization·Size)¤ | | -0.969***¤ | -0.14517¤ | 0.248¤ | 0.037731 | | |
| | ¤ | (0.309)¤ | ¤ | (0.368)¤ | ¤ | | |
| <u>Femelle</u> ·Membership·(%)¤ | | 1.889***¤ | 0.282909¤ | -0.766¤ | -0.11672 | | |
| | ¤ | (0.349)¤ | ¤ | (0.739)¤ | ¤ | | |
| Commune¤ | | yes¤ | ¤ | yes¤ | ¤ | | |
| Observations¤ | | 240¤ | ¤ | 121¤ | ¤ | | |

1.3 Field Visits in MC

| ۲ | (1)¤ | (2)¤ | (3)¤ | (4)¤ | (5)¤ | (6)¤ | (7)¤ | (8)¤ | (9)¤ | (10)¤ | × |
|------------------------------|------------|------------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|-------------------|
| VARIABLES¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | dy∕dx¤ |
| Sales¤ | 1.153**¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | 1.216***¤ | 0.123704¤ |
| | ¤ (0.545)¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | (0.444)¤ | × |
| Contract formality for sales | a a | 0.907*¤ | Ħ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | 0.524**¤ | 0.053246¤ |
| | X ¤ | (0.484)¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | (0.238)¤ | × |
| Experience·in·the·sector¤ | ¤ | ¤ | 1.110***¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | 0.814***¤ | 0.082746¤ |
| | ¤ ¤ | ¤ | (0.363)¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | (0.299)¤ | ¤ |
| Non-household·labor¤ | ¥ | ¤ | ¤ | 0.669*¤ | × | ¤ | ¤ | ¤ | ¤ | -0.0734¤ | -0.00747¤ |
| | ¤ ¤ | ¤ | ¤ | (0.393)¤ | × | ¤ | ¤ | ¤ | ¤ | (0.457)¤ | × |
| Female¤ | ¤ | ¤ | ¤ | ¤ | 0.599¤ | ¥ | ¤ | ¤ | ¤ | 0.401¤ | 0.040805¤ |
| | X X | ¤ | ¤ | ¤ | (0.419)¤ | ¥ | ¤ | ¤ | ¤ | (0.366)¤ | × |
| Realized Investment¤ | ¤ | ¤ | ¤ | ¤ | ¤ | 0.983***¤ | × | ¤ | ¤ | 0.435*¤ | 0.044235¤ |
| | ¤ ¤ | ¤ | ¤ | ¤ | ¤ | (0.310)¤ | × | ¤ | ¤ | (0.236)¤ | × |
| Environ-friendliness¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | 1.278**¤ | × | ¤ | 0.320¤ | 0.032539¤ |
| | X X | ¤ | ¤ | ¤ | ¤ | ¤ | (0.499)¤ | × | ¤ | (0.423)¤ | × |
| Gender-friendliness¤ | ¥ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | 1.053**¤ | × | -1.019¤ | -0.10366¤ |
| | X X | ¤ | ¤ | ¤ | ¤ | a | ¤ | (0.521)¤ | × | (0.790)¤ | × |
| Formality·status·¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | 1.244***¤ | 0.249¤ | 0.025314¤ |
| | X X | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | (0.352)¤ | (0.396)¤ | × |
| Rice¤ | -0.739¤ | -1.498***¤ | -1.343**¤ | -1.232***¤ | -1.277**¤ | -0.659¤ | -1.399**¤ | -1.051*¤ | -1.326***¤ | 0.503¤ | × |
| ¤ | (0.502)¤ | (0.532)¤ | (0.586)¤ | (0.477)¤ | (0.608)¤ | (0.568)¤ | (0.578)¤ | (0.578)¤ | (0.476)¤ | (0.559)¤ | × |
| Ln(Budget·Requested)¤ | 1.093*¤ | 1.640**¤ | 1.404**¤ | 1.153**¤ | 1.356**¤ | 0.869¤ | 1.701**¤ | 1.377**¤ | 0.913¤ | 0.186¤ | × |
| ¤ | (0.596)¤ | (0.697)¤ | (0.567)¤ | (0.554)¤ | (0.613)¤ | (0.584)¤ | (0.685)¤ | (0.631)¤ | (0.599)¤ | (0.363)¤ | × |
| Ln(Organization∙Size)¤ | 0.0377¤ | 0.316¤ | -0.0158¤ | 0.177¤ | 0.0440¤ | 0.345¤ | 0.0514¤ | 0.133¤ | 0.201¤ | 0.0951¤ | × |
| ¤ | (0.351)¤ | (0.317)¤ | (0.377)¤ | (0.372)¤ | (0.366)¤ | (0.343)¤ | (0.343)¤ | (0.389)¤ | (0.378)¤ | (0.339)¤ | × |
| Constant¤ | -20.04**¤ | -27.83**¤ | -23.76**¤ | -19.23**¤ | -21.91**¤ | -14.89¤ | -29.15***¤ | -24.01**¤ | -17.01*¤ | -8.946¤ | × |
| ¤ | (9.388)¤ | (11.51)¤ | (9.237)¤ | (9.134)¤ | (9.972)¤ | (9.231)¤ | (11.25)¤ | (9.903)¤ | (9.607)¤ | (6.557)¤ | × |
| Commune¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | Yes¤ | YES¤ | YES¤ ^B |
| Observations¤ | 81¤ | 81¤ | 81¤ | 81¤ | 81¤ | 81¤ | 81¤ | 81¤ | 81¤ | 130¤ | × |

1.3 Field Visits in AD

| ۲ | | (1)¤ | (3)¤ | (4)¤ | (5)¤ | (6)¤ | (7)¤ | × |
|-----------------------------|----|------------|------------|------------|------------|------------|------------|-----------|
| VARIABLES¤ | | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | select2¤ | dy/dx¤ |
| Sales¤ | | 1.868*¤ | × | ¤ | ¤ | ¤ | ¤ | 0.007418 |
| | ¤ | (1.078)¤ | × | ¤ | ¤ | ¤ | a | ¤ |
| Contract·formality·for·sale | s¤ | ¤ | 2.687**¤ | × | ¤ | ¤ | ¤ | 0.001176 |
| | ¤ | ¤ | (1.180)¤ | × | ¤ | ¤ | ¤ | ¤ |
| Experience·in·the·sector¤ | | ¤ | ¤ | 1.766¤ | ¤ | ¤ | ¤ | 0.002957 |
| | ¤ | ¤ | ¤ | (1.370)¤ | × | ¤ | ¤ | ¤ |
| Non-household·labor¤ | | ¤ | ¤ | ¤ | 1.456¤ | × | ¤ | 0.008893 |
| | ¤ | ¤ | ¤ | ¤ | (1.366)¤ | × | ¤ | ¤ |
| Environ-friendliness¤ | | ¤ | ¤ | ¤ | ¤ | 1.150*¤ | ¤ | 0.0136723 |
| | ¤ | ¤ | ¤ | ¤ | ¤ | (0.685)¤ | ¤ | ¤ |
| Gender-friendliness¤ | | ¤ | ¤ | ¤ | ¤ | ¤ | 5.262**¤ | 0.0447873 |
| | ¤ | ¤ | ¤ | ¤ | ¤ | ¤ | (2.335)¤ | ¥ |
| Rice¤ | | -4.732***¤ | -2.605*¤ | -6.787***¤ | -4.208***¤ | × | ¤ | ¤ |
| ¤ | | (0.843)¤ | (1.464)¤ | (2.032)¤ | (0.593)¤ | × | ¤ | ¤ |
| Anacarde¤ | | -16.78***¤ | -15.43***¤ | -19.75***¤ | -14.25***¤ | -11.95***¤ | -10.63***¤ | ¥ |
| ¤ | | (2.496)¤ | (2.320)¤ | (3.265)¤ | (2.487)¤ | (1.838)¤ | (2.577)¤ | ¤ |
| Transformation¤ | | -0.372¤ | 0.427¤ | 1.649¤ | -0.130¤ | -0.797¤ | -0.418¤ | ¥ |
| ¤ | | (0.901)¤ | (0.639)¤ | (1.461)¤ | (0.628)¤ | (0.886)¤ | (0.812)¤ | ¥ |
| Commercialisation¤ | | 6.401***¤ | 6.234***¤ | 7.366***¤ | 6.154***¤ | 5.590***¤ | 5.395***¤ | ¥ |
| ¤ | | (1.207)¤ | (1.514)¤ | (1.149)¤ | (1.159)¤ | (0.964)¤ | (1.682)¤ | ¥ |
| Ln(Budget·Requested)¤ | | 0.949¤ | 0.606¤ | 1.331¤ | 0.959*¤ | 0.790¤ | 1.603**¤ | ¥ |
| ¤ | | (0.650)¤ | (0.966)¤ | (0.819)¤ | (0.575)¤ | (0.550)¤ | (0.668)¤ | ¥ |
| Ln(Organization·Size)¤ | | 0.0706¤ | 0.108¤ | -0.403¤ | 0.156¤ | -0.0671¤ | -0.347¤ | ¥ |
| ¤ | | (0.468)¤ | (0.279)¤ | (0.531)¤ | (0.415)¤ | (0.394)¤ | (0.416)¤ | ¥ |
| Commune¤ | | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ | YES¤ |
| Observations¤ | | 59¤ | 59¤ | 59¤ | 59¤ | 59¤ | 59¤ | ¥ |

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Evaluation Design







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2.1 Evaluation Design: Construction of 2 groups

- Total organizations to be evaluated: 195
- Randomization level: commune & crop
- Half of organizations are assigned to the treatment group
- The other half serves as control group
- Group are comparable according to the selection indicators
- 5 entrepreneurs are selected per organization → 975
 - 3 in the council: president, secretary, treasury
 - 2 are randomly selected among the rest





2.2 Evaluation Design: Phase-in Approach

- Phase 1: treatment group will receive the requested materials and equipment
- Phase 2: control group will receive the requested materials and equipment
- Both groups will benefit from technical support
- Data: Baseline (2016), midline & endline (2017-2019)







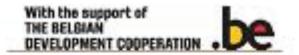
Baseline Survey Design







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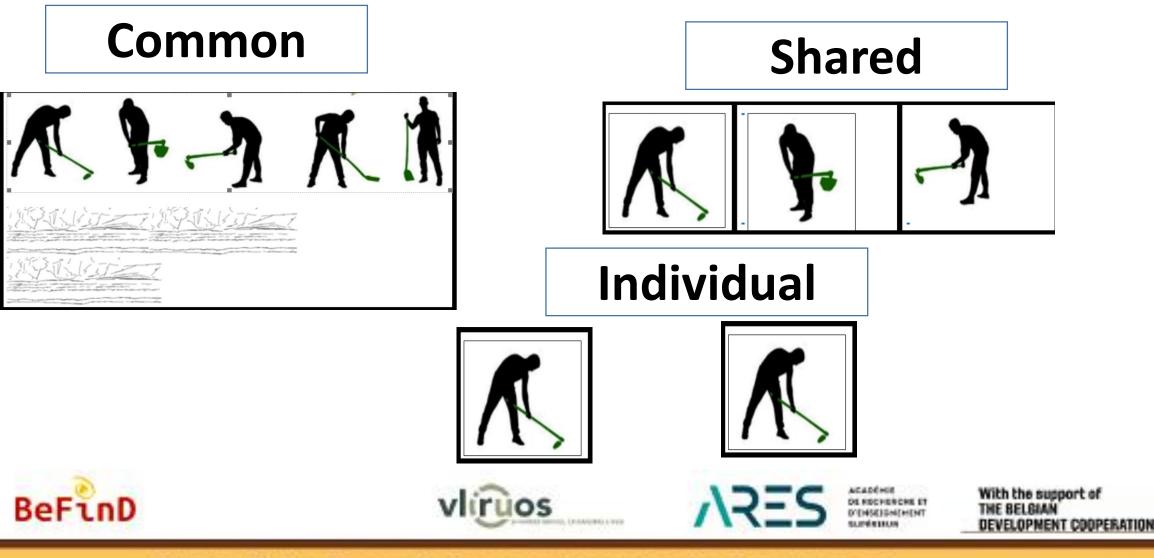


3. Baseline Survey Design

- Two types of questionnaires
 - 1. Focus group: organization level
 - 2. Individual: entrepreneur level
 - 1. Activities across: 2 seasons in AD and 3 in MC
 - 2. Activities on up to: 3 plots for the targeted 3 crops







3.1b Individuals: Detailed questionnaire

- Land title & formalization
- Soil, erosion controls, and irrigation, water management
- Input use & technology adoption
- Fertilizer, pesticides/herbicides applications
- Farming practices/ Use of machines and farming equipment

- Family and hired labour
- Access to markets and information
- Access to common property resources
- Access to and use of agricultural services
- Access to finance







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3.2 Primary BTC performance indicators

- Yield (*Rendement*) = Production over surface (kg/ha)
- Gross margin (MB)= Production value input costs of seeds and fertilizers (CFA)
- Added value (VA) = Produce value production costs (CFA)
- Profit (RE) = Produce value all costs except external labour (CFA)
- Gain (Benefice) = Produce value all costs (CFA)
- Financing capacity (CAF) = Gain/amortisement (CFA)
- Production cost (CP)= All costs/produce quantity (kg/ha)
- Margin (*Marge de Benefice*) = Unit price production cost (CFA)
- Threshold (Seuil de rendement) = All costs/unit price (CFA)
- Threshold per kg= Threshold/surface (CFA/Kg)





3.3 Survey: Methodology & Implementation

- Preparation
 - Questionnaires design
 - Coding in digital means (Cspro/Csentry)
 - Training/field tests/adjustments
- Implementation (December 2016 Février 2017)

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- Area: 12 communes in MC and 13 communes in AD
- Focus group: 195
- Entretien individuel : 975
- HR: 26 enquêteurs, 5 contrôleurs, 3 superviseurs, 1 Coordonnateur + researchers
- Technology: tablets and digital communication (whasap)

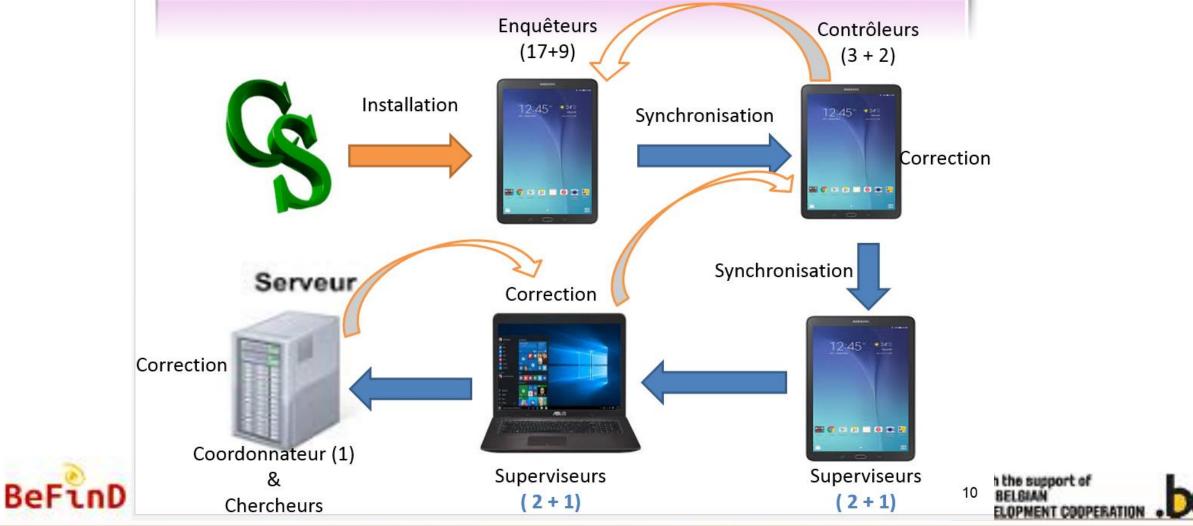


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3.3.1 Digital tools



3.3.2 Digital communication



Enquête Baseline_AD

Abdel Survey, Abdou Survey, Alphonse Ctb, Bassanwon Survey, Borte Survey, Brigitte Survey, Celestin DPSE Carder Surve...



PROFI_Supervision_AD

Alphonse Ctb, Bassanwon Survey, Etienne Survey, James Ctb, Lokossou Durand, Marc Olivier, Nadege Survey, Olodo Mari...



Baseline_Coordination_AD

James Ctb, Marc Olivier, Olodo Marius, Sikirou Ctb Ufr AD, Thales Stagiaire, You



BASELINE MIC_PROFI_MC

Adikpo Survey, Alphonse Ctb, Amadou Ufr MC, Appolinaire Survey, Chabel Survey, Ganiou Survey, Gomaise Survey, Hoyo



Control_supervision_MC

Alphonse Ctb, Amadou Ufr MC, Hoyo Survey, Jeremie, Kpodjadan Survey, Lokossou Durand, Marc Olivier, Olodo Marius, You







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3.3.3 Trainings











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3.3.4 Field Survey & continuous trainings











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Baseline Preliminary Findings







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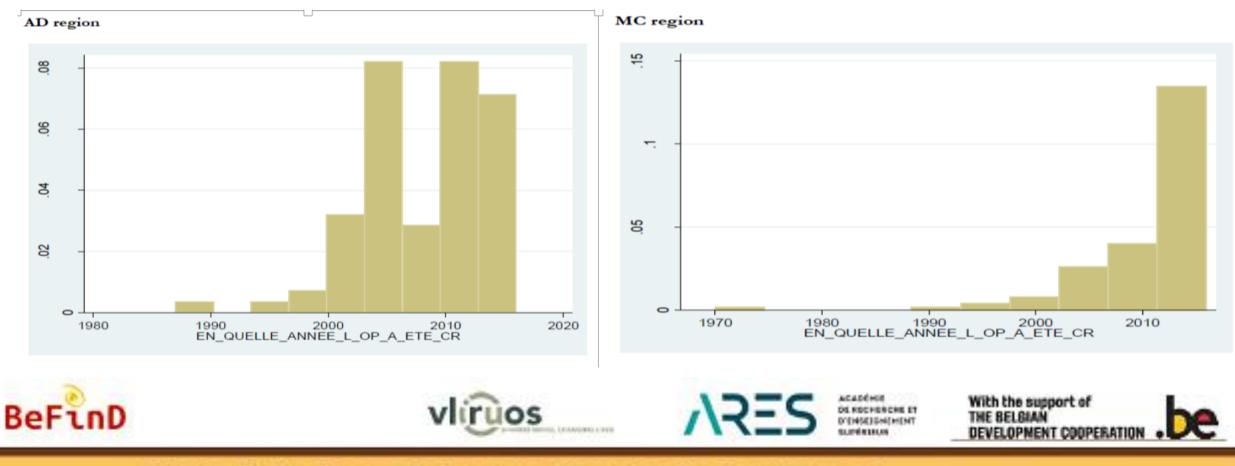
4.1 Baseline preliminary findings: focus group

| Variable·Name¤ | <u>Obs</u> ¤ | Mean¤ | Std. Dev. | Variable·Name¤ | Obs¤ | Mean¤ | Std. Dev. |
|--|--------------|--------|-----------|--|------------|----------------|----------------|
| AD¤ | ¥ | ¤ | ¤ | MCx | ă A | Ø | |
| Birth·year·of·the·group¤ | 87¤ | 2008¤ | 5¤ | Birth·year·of·the·group¤ | 108¤ | 2011¤ | 6¤ |
| Number·of·members¤ | 87¤ | 32.32¤ | 38.03¤ | Number.of.members¤ | 108¤ | 9.74¤ | 4.83¤ |
| Presence.of.common.plots.(0-1)× | 87¤ | 0.01¤ | 0.11¤ | Presence of common plots (0-1) | 108¤ | 0.73¤ | 0.45¤ |
| Number·of·common·plots¤ | 1¤ | 1.00¤ | .¤ | Number·of·common·plots¤ | 79¤ | 1.18¤ | 0.42¤ |
| Identifies ·a ·1 st · common · plot ¤ | 1¤ | 1.00¤ | .¤ | Identifies ·a ·1 st · common · plot ¤ | 79¤ | 1.00¤ | 0.00¤ |
| Percentage of members included x | 1¤ | 0.12¤ | .¤ | Percentage of members included x | 79¤ | 0.97¤ | 0.14¤ |
| Common·plots·under·MIC¤ | 87¤ | 0.13¤ | 0.33¤ | Identifies • a • 2 nd • common • plot ¤ | 13¤ | 2.00¤ | 0.00¤ |
| Numb. of MIC common plots | 11¤ | 1.00¤ | 0.00¤ | Percentage.of.members.included× | 13¤ | 0.99¤ | 0.04¤ |
| Presence of shared plots (0-1) × | 87¤ | 0.55¤ | 0.50¤ | Common·plots·under·MIC¤ | 108¤ | 0.70¤ | 0.46¤ |
| Number of shared plots x | 48¤ | 1.65¤ | 2.11¤ | Numb. of MIC common plots | 76¤ | 1.01¤ | 0.11¤ |
| Identifies ·a · 1 st · shared · plot ¤ | 48¤ | 1.00¤ | 0.00¤ | Presence of shared plots (0-1)× | 108¤ | 0.19¤ | 0.40¤ |
| Percentage of members included | 48¤ | 0.79¤ | 0.29¤ | Number·of·shared·plots¤ Identifies·a·1st·shared·plot¤ | 21¤ 21¤ | 1.19¤ 1.00¤ | 0.40¤ 0.00¤ |
| Identifies ·a · 2 nd · shared · plot ¤ | 13¤ | 2.00¤ | 0.00¤ | Percentage.of.members.included× | 21¤ 21¤ | 0.98¤ | 0.00¤ 0.09¤ |
| Percentage·of·members·included¤ | 13¤ | 0.49¤ | 0.26¤ | Identifies ·a · 2nd · shared · plot ¤ | 4¤ | 2.00¤ | 0.00× |
| Number·of·plots·of·the·president¤ | 86¤ | 1.97¤ | 0.66¤ | Percentage.of.members.included× | 4¤ | 1.00¤ | 0.00¤ |
| Number.of.plots.of.the.secretary× | 86¤ | 1.80¤ | 0.75¤ | Number·of·plots·of·the·president¤ | 108¤ | 2.20¤ | 1.24¤ |
| Number of plots of the treasurer x | 85¤ | 1.87¤ | 0.67¤ | Number of plots of the secretary x | 108¤ | 1.99¤ | 1.18¤ |
| Number of plots of member n.1× | 86¤ | 1.80¤ | 0.70¤ | Number · of · plots · of · the · treasurer ¤ | 108¤ | 2.04¤ | 1.11¤ |
| Number of plots of member n.12 | 86¤ | 1.65¤ | 0.66¤ | Number·of·plots·of·member·n.1¤ | 108¤ | 2.00¤ | 1.14¤ |

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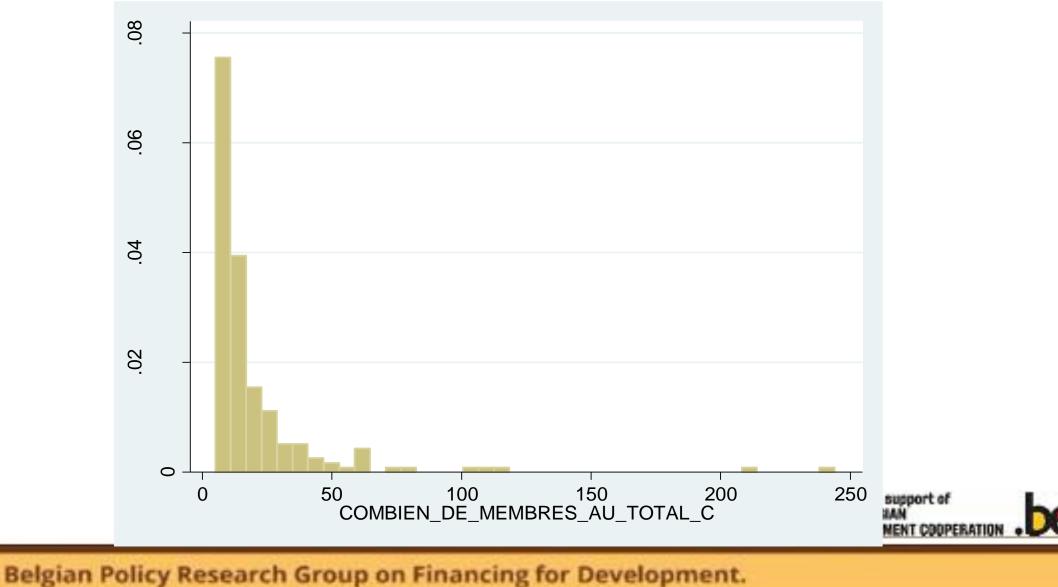
4.2 Date creation of organizations





4.3 Organizations' size

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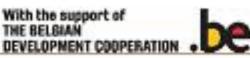
| ¥ | Committee members¤ | The∙rest¤ | ¶ Total∙¤ | r |
|--------|-----------------------|-----------|--------------|---|
| AD¤ | 17¤ | 13¤ | 30¤ | r |
| ¤ | ¤ | ¤ | ¥ | r |
| MC¤ | 14¤ | 17¤ | 31¤ | r |
| ¤ | ¤ | ¤ | ¥ | p |
| Total¤ | 31¤ | 30¤ | 61¤ | r |



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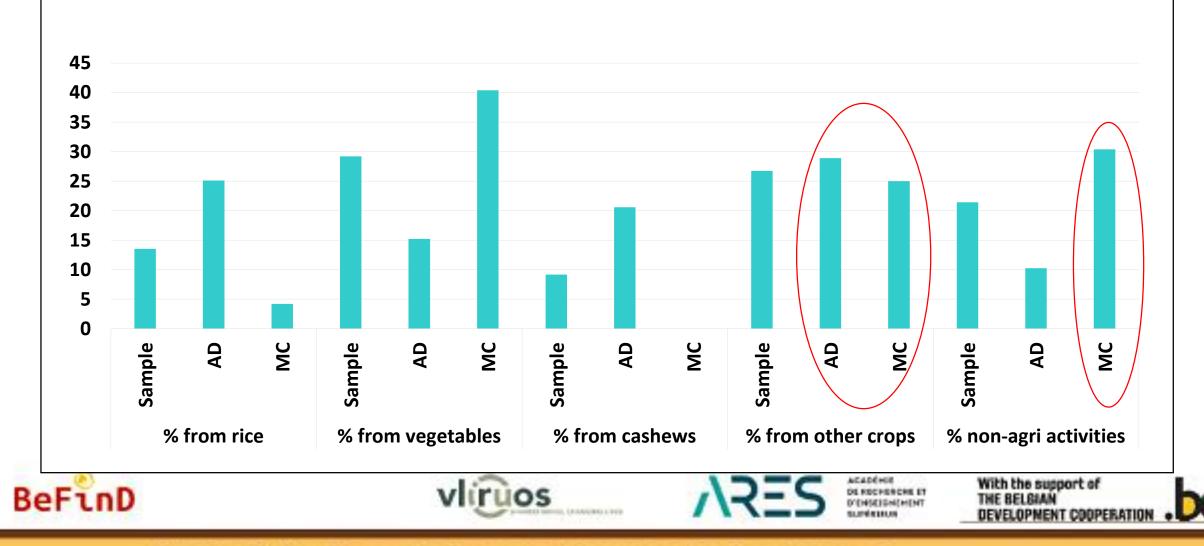


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4.5 Sources of income (%)





4.6 Top Constraints facing the entrepreneurs

| Global¤ | AD¤ | MC¤ | |
|---|---|---|--|
| 0,28¤ | 0,25¤ | 0,30¤ | |
| 0,03 ¤ | 0,04 ¤ | 0,02 ¤ | |
| 0,20 ¤ | 0,11 ¤ | 0,27 ¤ | |
| 0,02 ¤ | 0,02 ¤ | 0,02 ¤ | |
| 0,00¤ | 0 ¤ | 0 ¤ | |
| | | | |
| 0,00¤ | 0 ¤ | 0,00 ¤ | |
| 0,16 ¤ | 0,15 ¤ | 0,17 ¤ | |
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| | 0,28¤ 0,03¤ 0,20¤ 0,02¤ 0,00¤ 0,00¤ 0,00¤ | 0,28¤ 0,25¤ 0,03¤ 0,04¤ 0,20¤ 0,11¤ 0,02¤ 0,02¤ 0,00¤ 0¤ 0,00¤ 0¤ 0,16¤ 0,15¤ | |



4.7 Access to credit & their use in 2016-2017

• Only about 30% entrepreneurs have access to finance

| SOURCES·DE·FINANCEMENT·(prêteurs)¤ | Global¤ | AD¤ | MC¤ |
|---|----------------|-----------------------|--------|
| Banque¤ | 0,004¤ | 0.008¤ | 0¤ |
| IMF¤ | →0,615¤ | 0.684¤ | 0.544¤ |
| Tontine¤ | 0,182¤ | 0.051¤ | 0.316¤ |
| Emprunteur · informel · (famille/amis)¤ | 0,108¤ | 0.085¤ | 0.132¤ |
| Autres ·Sources¤ | 0,212¤ | 0.248¤ | 0.175¤ |
| | and the second | PREMARKING CONTRACTOR | |

4.8 Sources of Finance

| SOURCES·DE·FINANCEMENT·(prêteurs)¤ | Global¤ | AD¤ | MC¤ |
|---|---------|--------|------------|
| Banque¤ | 0,004¤ | 0.008¤ | 0 ¤ |
| IMF¤ | →0,615¤ | 0.684¤ | 0.544¤ |
| Tontine¤ | 0,182¤ | 0.051¤ | 0.316 |
| Emprunteur · informel · (famille/amis)¤ | 0,108¤ | 0.085¤ | 0.132 |
| Autres ·Sources¤ | 0,212¤ | 0.248¤ | 0.175¤ |





4.9 Explanation of finance exclusion

| Raisons de non obtention d'emprunts¤ | Global¤ | AD¤ | MC¤ |
|---|---------|--------|--------|
| 1. Je n'en ai pas besoin ¤ | 0,100¤ | 0,142¤ | 0,068¤ |
| 2.·J'ai·demandé·mais·pas·obtenu¤ | 0,078¤ | 0,073¤ | 0,082¤ |
| 3. Je n'ai pas fait de demande de financement ¤ | 0,781¤ | 0,734¤ | 0,816¤ |
| 4. Autres (à préciser) | 0,041¤ | 0,051¤ | 0,033¤ |





4.10 Explanation: Not applying for financing

| Raisons de non introduction des demandes¤ | Global¤ | AD¤ | MC¤ |
|---|---------|--------|--------|
| 1. Les formalités administratives sont trop complexes ¤ | 0,276¤ | 0,360¤ | 0,220¤ |
| 2.·Les·taux·d'intérêt·sont·élevés·¤ | 0,182¤ | 0,089¤ | 0,245¤ |
| 3. ·Les ·garanties ·exigées ·sont ·trop ·élevées ·¤ | 0,070¤ | 0,065¤ | 0,073¤ |
| 4. Je pensais que si j'ai fait de demande ce serait refusé x | 0,055¤ | 0,049¤ | 0,060¤ |
| 5. ·Je ·ne ·connais ·aucune ·personne/structure ·qui ·peut ·me ·prêter · l'argent ·¤ | 0,031¤ | 0,057¤ | 0,014¤ |
| 6. Je n'aime pas m'endetter ¤ | 0,207¤ | 0,182¤ | 0,223¤ |
| 7. ·A·la·durée·de·remboursement·est·courte·¤ | 0,106¤ | 0,113¤ | 0,101¤ |
| 8. Autres (à préciser) | 0,073¤ | 0,085¤ | 0,065¤ |





Challenges







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• Budgets rules applied on BTC

•Others difficults with staffs in the fields







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5 CONCLUSION

- A rigourous evaluation needs to be integrated into the program design
- Whiout a credible such an evaluation one cannot talk of impact evaluation of the projects
- One needs to address the challenges in the fields with BTC and DGD as to make a rigourous impact realised of which results are very important for BTC and DGD

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Thank you!







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4.1 Localisation of MIC Plots

