

PMR Operational Report

| | | | |
|-----------------------------|----------------------------------|---|----------|
| Operation Number | HA-L1107 | Chief of Operations Validation Date | 10/21/19 |
| Year- PMR Cycle | First period Jan-Jun 2019 | Division Chief Validation Date | |
| Last Update | 10/15/19 | Country Representative Validation Date | |
| PMR Validation Stage | Validated by Chief of Operations | | |

Basic Data

Operation Profile

| | | | |
|---------------------------|--|---|---|
| Operation Name | Agricultural and Agroforestry Technological Innovation Program - PITAG | Loan Number | 4359/GR-HA |
| Executing Agency | INTER-AMERICAN DEVELOPMENT BANK | Sector/Subsector | AG-TEC - AGRICULTURE AND RURAL DEVELOPMENT-AGRICULTURAL TECHNOLOGY ADOPTION |
| Team Leader | DE SALVO, CARMINE PAOLO | Overall Stage | Disbursing (From eligibility until all the Operations are closed) |
| Operation Type | Loan Operation | Country | HAITI |
| Lending Instrument | Investment Loan | Convergence related Operation(s) | HA-G1038, HA-G1041 |
| Borrower | Ministère de l'Économie et des Finances | | |

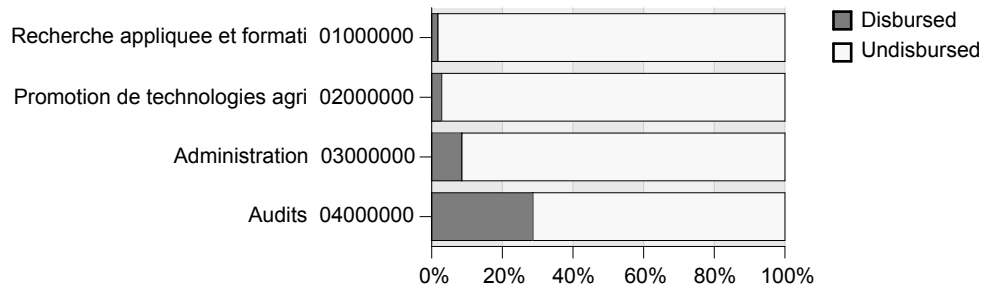
Environmental and Social Safeguards

| | | | |
|---|---|--|----|
| Impacts Category | B | Was/Were the objective(s) of this operation reformulated? | NO |
| Safeguard Performance Rating | | Date of approval | |
| Safeguard Performance Rating - Rationale | | | |

Financial Data

| Item | Total Cost and Source | | | | | Available Funds (US\$) | | | |
|-------------------|-----------------------|-------------------|-------------------|------------------------|---------------------|------------------------|----------------------|---------------|--------------------|
| | Original IDB | Current IDB | Local Counterpart | Co-Financing / Country | Total Original Cost | Current IDB | Disb. Amount to Date | % Disb | Undisbursed Amount |
| HA-G1038 | 10,000,000 | 10,000,000 | 0 | 0 | 10,000,000 | 10,000,000 | 1,000,000 | 10.00% | 9,000,000 |
| HA-G1041 | 10,859,305 | 10,859,305 | 0 | 0 | 10,859,305 | 10,859,305 | 0 | 0.00% | 10,859,305 |
| HA-L1107 | 55,000,000 | 55,000,000 | 1,000,000 | 20,859,305 | 76,859,305 | 55,000,000 | 10,000,000 | 18.18% | 45,000,000 |
| Aggregated | 75,859,305 | 75,859,305 | 1,000,000 | 20,859,305 | 97,718,610 | 75,859,305 | 11,000,000 | 14.50% | 64,859,305 |

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

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RESULTS MATRIX

IMPACTS

Impact Nbr. 1: Improve Food Security

Observation: I1.1: The baseline number will be updated through surveys to be conducted prior to program implementation. The baseline values correspond to baseline values of PTТА. Target numbers are based on the CRIAR impact evaluation conducted in Bolivia and apply to program beneficiaries. I1.2: The baseline number will be updated through surveys to be conducted prior to program implementation. The baseline values correspond to baseline values of PTТА. Target numbers are based on the CRIAR impact evaluation conducted in Bolivia and apply to program beneficiaries. I1.3: This number corresponds to the total number of program beneficiaries. IDB finances 39,679 beneficiaries, GAFSP 13,010, and IFAD 12,359.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-------|------|----------|
| 1.1 | Percentage of male-headed households who are severely food insecure using the Food Security Scale (ELCSA) | % | 71.00 | 2013 | P | 35.00 | | 35.00 |
| | | | | | P(a) | 35.00 | | 35.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-------|------|----------|
| 1.2 | Percentage of female-headed households who are severely food insecure using the Food Security Scale (ELCSA) | % | 86.00 | 2013 | P | 50.00 | | 50.00 |
| | | | | | P(a) | 50.00 | | 50.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|-----|----------------------|----|
| Pro-Gender | Yes | Pro-Ethnicity | No |
|-------------------|-----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-----------|------|-----------|
| 1.2 | Beneficiaries of IDBG projects that contribute to at least one key dimension of food security | # | 0.00 | 2017 | P | 65,048.00 | | 65,048.00 |
| | | | | | P(a) | 65,048.00 | | 65,048.00 |
| | | | | | A | | | |

Details

Means of verification: Records of beneficiaries from the Ministry.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

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RESULTS MATRIX

IMPACTS

Impact Nbr. 2: Increase Agricultural Income

Observation: I2.1: The baseline number will be updated through surveys to be conducted prior to program implementation. The baseline and target values are obtained from the impact evaluation of the PT TA. The income increase corresponds to 58%. Targets apply to program beneficiaries. This includes only income from crop related agricultural activities (livestock is not included). I2.2: The baseline number will be updated through surveys to be conducted prior to program implementation. The baseline and target values are obtained from the impact evaluation of the PT TA. The profit increase corresponds to 63%. Targets apply to program beneficiaries. Profits correspond to the agricultural revenues minus the cost of variable inputs and transportation for crop activities.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|-----------------------------|-------------------|----------|---------------|------|--------|------|----------|
| 2.1 | Annual agricultural profits | USD/ household | 98.00 | 2015 | P | 160.00 | | 160.00 |
| | | | | | P(a) | 160.00 | | 160.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| Pro-Gender | Yes | Pro-Ethnicity | | | No | | | |
|------------|--|---------------|--|--|------|--------|--|--------|
| | Annual agricultural profits of female-headed agricultural households | | | | P | 49.00 | | 49.00 |
| | | | | | P(a) | 49.00 | | 49.00 |
| | | | | | A | | | |
| | Annual agricultural profits of male-headed agricultural households | | | | P | 189.00 | | 189.00 |
| | | | | | P(a) | 189.00 | | |
| | | | | | A | | | |

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|----------------------------|-------------------|----------|---------------|------|--------|------|----------|
| 2.0 | Annual agricultural income | USD/ household | 170.00 | 2015 | P | 268.00 | | 268.00 |
| | | | | | P(a) | 268.00 | | 268.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up

| Pro-Gender | Yes | Pro-Ethnicity | | No | | | | |
|------------|--|---------------|--|----|------|--------|--|--------|
| | Annual agricultural income for female-headed agricultural households | | | | P | 107.00 | | 107.00 |
| | | | | | P(a) | 107.00 | | 107.00 |
| | | | | | A | | | |
| | Annual agricultural income for male-headed agricultural households | | | | P | 311.00 | | 311.00 |
| | | | | | P(a) | 311.00 | | 311.00 |

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IMPACTS

| | | | | | | | | |
|--|--|--|--|--|---|--|--|--|
| | Annual agricultural income for male-headed agricultural households | | | | A | | | |
|--|--|--|--|--|---|--|--|--|

Impact Nbr. 3: Increase Agricultural Productivity

Observation: This corresponds to an increase of 38% in the value of production. This target corresponds to the results obtained in the impact evaluation of PTТА. Targets apply to program beneficiaries.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|----------------------------|----------|---------------|------|--------|------|----------|
| 3.1 | Annual value of agricultural production | USD/ Household/ year | 347.00 | 2015 | P | 478.00 | | 478.00 |
| | | | | | P(a) | 478.00 | | 478.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

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RESULTS MATRIX

OUTCOMES

Outcome Nbr. 1: Improve use of Natural Capital

Observation: I1.1: This number corresponds to beneficiaries from agroforestry technologies. IDB finances 37,347 beneficiaries, GAFSP 12,245, and IFAD 11,632. I1.2: This number corresponds to beneficiaries from agroforestry technologies multiplied by an adoption rate of 75% (adoption rate observed in similar projects in the region). IDB finances 28,011 beneficiaries, GAFSP 9,183, and IFAD 8,724. I1.3: The target corresponds to estimates made for the economic analysis. IDB finances 17,019 hectares, GAFSP 5,580, and IFAD 5,301.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|--|-----------------|----------|---------------|------|-----------|------|-----------|
| 1.1 | Beneficiaries of improved management and sustainable use of natural capital. | # | 0.00 | 2017 | P | 61,224.00 | | 61,224.00 |
| | | | | | P(a) | 61,224.00 | | 61,224.00 |
| | | | | | A | | | |

Details

Means of verification: Records of beneficiaries from the Ministry.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|--|-----------------|----------|---------------|------|-----------|------|-----------|
| 1.2 | Beneficiaries who adopted soil protection and restoration technologies | # | 0.00 | 2017 | P | 45,918.00 | | 45,918.00 |
| | | | | | P(a) | 45,918.00 | | 45,918.00 |
| | | | | | A | | | |

Details

Means of verification: Records of beneficiaries from the Ministry.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|--|-----------------|----------|---------------|------|-----------|------|-----------|
| 1.2 | Additional hectares of land applying agroforestry technologies | Has | 0.00 | 2017 | P | 27,900.00 | | 27,900.00 |
| | | | | | P(a) | 27,900.00 | | 27,900.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

Outcome Nbr. 2: Improve Agricultural Innovation Services

Observation: I2.1: Baseline is taken from IDB Agrimonitor estimations for the average of the period 2008-2012. This indicator will be measured before and after the implementation (reflexive methodology). The target is based on calculations that include the value of the investment in research made by this and other related programs of the Ministry. I2.2: These new technologies correspond solely to those developed by the Ministry of Agriculture. I2.3: These new technologies correspond solely to those developed by the Ministry of Agriculture. I2.4: These new technologies correspond solely to those developed by the Ministry of Agriculture.

| Indicator | Unit of | Baseline | Baseline | | 2022 | 2023 | EOP 2023 |
|-----------|---------|----------|----------|--|------|------|----------|
|-----------|---------|----------|----------|--|------|------|----------|

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OUTCOMES

| | | Measure | | Year | | | | |
|-----|--|---------|------|------|------|------|--|------|
| 2.0 | Research and development expenditure as percentage of Agricultural GDP | % | 0.12 | 2017 | P | 0.30 | | 0.30 |
| | | | | | P(a) | 0.30 | | 0.30 |
| | | | | | A | | | |

Details

Means of verification: Ministry's executed budget.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|--|----------|---------------|------|------|------|----------|
| 2.1 | New technologies developed or adapted by new applied research projects | # | 0.00 | 2017 | P | 8.00 | 8.00 |
| | | | | | P(a) | 8.00 | 8.00 |
| | | | | | A | | |

Details

Means of verification: Records of beneficiaries from the Ministry.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|----------|---------------|------|------|----------|----------|
| 2.2 | Male farmers who adopt the technologies developed by new applied research projects. | # | 0.00 | 2017 | P | 1,800.00 | 1,800.00 |
| | | | | | P(a) | 1,800.00 | 1,800.00 |
| | | | | | A | | |

Details

Means of verification: Records of beneficiaries from the Ministry.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|----------|---------------|------|------|----------|----------|
| 2.3 | Female farmers who adopt the technologies developed by new applied research projects. | # | 0.00 | 2017 | P | 1,200.00 | 1,200.00 |
| | | | | | P(a) | 1,200.00 | 1,200.00 |
| | | | | | A | | |

Details

Means of verification: Records of beneficiaries from the Ministry

| | | | |
|-------------------|-----|----------------------|----|
| Pro-Gender | Yes | Pro-Ethnicity | No |
|-------------------|-----|----------------------|----|

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OUTCOMES

Outcome Nbr. 3: Increase Adoption of Agricultural Technologies

Observation: I3.1: The target represents the percentage of adopters observed in similar projects in the region including the PATCA in Dominican Republic and CRIAR in Bolivia. I3.2: The target represents the percentage of adopters observed in similar projects in the region. I3.3: The target represents the percentage of adopters observed in similar projects in the region. IDB finances 29,760 farmers, GAFSP 9,757, and IFAD 9,269. I3.4: This includes the total number of women to benefit from the program (40% of total beneficiaries from component I and II). IDB finances 15,872 beneficiaries, GAFSP 5,204, and IFAD 4,943.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|--|-----------------|----------|---------------|------|-------|------|----------|
| 3.0 | Percentage of beneficiary producers who adopt agricultural technologies. | % | 0.00 | 2017 | P | 75.00 | | 75.00 |
| | | | | | P(a) | 75.00 | | 75.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-------|------|----------|
| 3.1 | Percentage of beneficiary women who adopt agricultural technologies | % | 0.00 | 2017 | P | 75.00 | | 75.00 |
| | | | | | P(a) | 75.00 | | 75.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|-----|----------------------|----|
| Pro-Gender | Yes | Pro-Ethnicity | No |
|-------------------|-----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-----------|------|-----------|
| 3.2 | Farmers who adopt agricultural technologies | # | 0.00 | 2017 | P | 48,786.00 | | 48,786.00 |
| | | | | | P(a) | 48,786.00 | | 48,786.00 |
| | | | | | A | | | |

Details

Means of verification: Agricultural Household Surveys for baseline and follow-up.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2022 | 2023 | EOP 2023 |
|-----------|---|-----------------|----------|---------------|------|-----------|------|-----------|
| 3.3 | Women beneficiaries of economic empowerment initiatives | # | 0.00 | 2017 | P | 26,019.00 | | 26,019.00 |
| | | | | | P(a) | 26,019.00 | | 26,019.00 |

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OUTCOMES

| | | | | | | | | |
|---|---|---|------|------|---------------|----|--|--|
| 3.3 | Women beneficiaries of economic empowerment initiatives | # | 0.00 | 2017 | A | | | |
| Details | | | | | | | | |
| Means of verification: Agricultural Household Surveys for baseline and follow-up. Project Report. | | | | | | | | |
| Pro-Gender | Yes | | | | Pro-Ethnicity | No | | |

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Recherche et formation agricole

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|---|-----------------|------|-------------------|----------|--------------------|------------|
| | | | | 2019 | EOP 2023 | 2019 | EOP 2023 |
| 1.1 | Projets recherche agricole définis et mis en oeuvre | Projet | P | 0 | 15 | 1,594,800 | 12,198,000 |
| | | | P(a) | 0 | 15 | 594,800 | 11,905,694 |
| | | | A | 0 | 0 | 23,552 | 60,646 |
| 1.2 | Bourses d'études complémentaires | Bourse | P | 0 | 10 | 72,000 | 360,000 |
| | | | P(a) | 0 | 10 | 72,000 | 360,000 |
| | | | A | 0 | 0 | 77 | 77 |
| 1.3 | Direction de l'Innovation renforcée | Direction | P | 0 | 1 | 379,500 | 2,042,000 |
| | | | P(a) | 0 | 1 | 79,500 | 2,040,776 |
| | | | A | 0 | 0 | 196,336 | 245,112 |

Component Nbr. 2 Promotion de Technologies Agricoles Durables

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|---|-----------------|------|-------------------|----------|--------------------|---------------|
| | | | | 2019 | EOP 2023 | 2019 | EOP 2023 |
| 2.1 | Agriculteurs ayant reçu des incitations agricoles | Incitation | P | 3,252 | 65,047 | 5,383,931 | 49,909,305 |
| | | | P(a) | 3,252 | 65,047 | 3,383,931 | 50,003,313.41 |
| | | | A | 0 | 0 | 1,311,486 | 1,555,502.41 |
| 2.2 | Agriculteurs ayant reçu de l'assistance technique | Assistance | P | 1,650 | 33,000 | 600,000 | 6,000,000 |
| | | | P(a) | 1,650 | 33,000 | 400,000 | 6,169,416 |
| | | | A | 0 | 0 | 0 | 0 |

Other Cost

| | | | | | | | |
|--|------------------|------|--|--|--|-----------|------------|
| | Gestion | P | | | | 1,000,000 | 5,000,000 |
| | | P(a) | | | | 1,000,000 | 4,991,589 |
| | | A | | | | 204,920 | 466,509 |
| | Audits | P | | | | 30,000 | 150,000 |
| | | P(a) | | | | 30,000 | 150,000 |
| | | A | | | | 0 | 0 |
| | Suivi/evaluation | P | | | | 100,000 | 700,000 |
| | | P(a) | | | | 100,000 | 738,709.99 |
| | | A | | | | 52,249 | 190,958.99 |
| | Contingences | P | | | | | 500,000 |
| | | P(a) | | | | | 500,000 |
| | | A | | | | 0 | 0 |

Total Cost

| | | | | | | | |
|--|------------|------|--|--|--|-----------|--------------|
| | Total Cost | P | | | | 9,160,231 | 76,859,305 |
| | | P(a) | | | | 5,660,231 | 76,859,498.4 |
| | | A | | | | 1,788,620 | 2,518,805.4 |

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CHANGES TO THE MATRIX

| Section | Name | Reasons | Type of Change | Subtype | Modified By | Entered in the System |
|---------|---|--|----------------|------------------------------------|-------------|-----------------------|
| Output | Agriculteurs ayant reçu des incitations agricoles | Minor corrections in the financial data of the previous period, as communicated by the executing unit. | Modify Output | Modify Financial Historical Actual | STEVENSS | 10/08/2019 |
| | | | | Modify Financial P(a) value | STEVENSS | 10/08/2019 |

PMR Operational Report

IMPLEMENTATION STATUS AND LEARNING

| Lesson Learned - Categories |
|-----------------------------|
| |