

# PMR Public Report

|                             |                             |   |          |
|-----------------------------|-----------------------------|---|----------|
| <b>Operation Number</b>     | HA-L1097                    | <b>Chief of Operations Validation Date</b>    | 04/15/21 |
| <b>Year- PMR Cycle</b>      | Second period Jan-Dec 2020  | <b>Division Chief Validation Date</b>         | 04/29/21 |
| <b>Last Update</b>          | 03/28/21                    | <b>Country Representative Validation Date</b> | 05/16/21 |
| <b>PMR Validation Stage</b> | Validated by Representative |   |          |

## Basic Data

### Operation Profile

|                           |  |   |  |
|---------------------------|--|---|--|
| <b>Operation Name</b>     | Natural Disaster Mitigation Program II   | <b>Loan Number</b>                      | 3622/GR-HA   |
| <b>Executing Agency</b>   | MINISTERE DE L'AGRICULTURE DES RESSOURCES NATURELLES ET DU DEVELOPPEMENT RURAL | <b>Sector/Subsector</b>                 | AGRICULTURE AND RURAL DEVELOPMENT-SUSTAINABLE AGRICULTURAL DEVELOPMENT |
| <b>Team Leader</b>        | DE SALVO, CARMINE PAOLO  | <b>Overall Stage</b>                    | Disbursing (From eligibility until all the Operations are closed)      |
| <b>Operation Type</b>     | Grant Financing Product  | <b>Country</b>                          | Haiti  |
| <b>Lending Instrument</b> | Investment Loan  | <b>Convergence related Operation(s)</b> | HA-G1031   |
| <b>Borrower</b>           | REPUBLIQUE D'HAITI   |   |  |

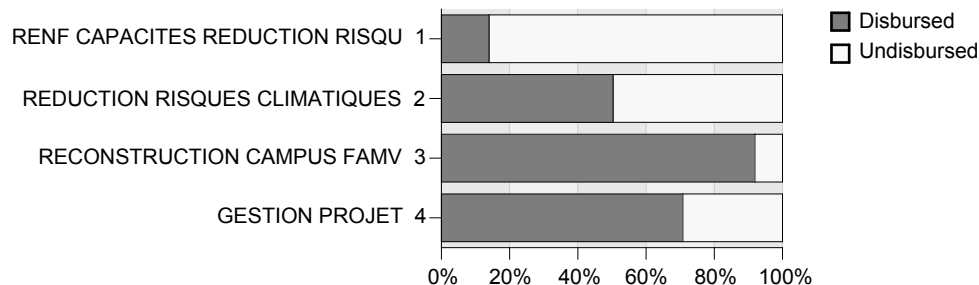
## Environmental and Social Safeguards

|   |  |  |    |
|---|--|--|----|
| <b>Impacts Category</b>                         | B  | <b>Was/Were the objective(s) of this operation reformulated?</b> | NO |
| <b>Safeguard Performance Rating</b>             | Partially Satisfactory   | <b>Date of approval</b>  |    |
| <b>Safeguard Performance Rating - Rationale</b> | The Environmental and Social Management Plan (ESMP) for the Program has been completed, including a communication plan and grievance mechanism. The implementation of the ESMP initiated late 2020. The ESMP provides guidance for specific plans for individual sub-projects that will need to be done. There is improved support on the ground among EA personnel for the different environmental and social issues and mitigation measures, and an Environmental and Social (E&S) specialist started in each department in October 2020. The MARDNR is also working on developing the institutional and human capacity to implement environmental and social mitigation measures. Recently the IDB has provided support to the team regarding possible resettlement plans (one project was removed from the portfolio due to the resettlement issues). There are issues regarding the security situation and the COVID-19 emergency in the country that are affecting works and supervision in the field. |  |    |

## 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-G1031   | 0                     | 4,500,000   | 0                 | 0                      | 4,500,000           | 4,500,000              | 1,871,747.1          | 41.59% | 2,628,252.9        |
| HA-L1097   | 0                     | 42,000,000  | 750,000           | 0                      | 42,750,000          | 42,000,000             | 33,461,954.4         | 79.67% | 8,538,045.6        |
| Aggregated | 0                     | 46,500,000  | 750,000           | 0                      | 47,250,000          | 46,500,000             | 35,333,701.5         | 75.99% | 11,166,298.5       |

## 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

#### General Development Objectives

**General Development Objectives Nbr. 0:** Increased agricultural productivity in targeted watersheds.

**Observation:**

|     | Indicator  | Unit of Measure | Baseline | Baseline Year | Expected Year of Achievement |   | Target   |
|-----|--|-----------------|----------|---------------|------------------------------|---|----------|
| 0.0 | In selected gullies, where check-dams are built (upper watershed), difference in average annual gross value-added per plot between beneficiaries of check-dams and control group | US\$            | 0.00     | 2015          | 2022                         | P | 1,215.00 |
|     |  |                 |          |               |                              | A |          |

#### Details

**Means of verification:** Impact Evaluation Report, based on a randomized selection of beneficiaries in the agro-forestry area.

**Observations:** Data source for baseline and EoP: Ex Post Economic Analysis of PMDN I (2015). Other comments: Gross value added = Value of Production – Intermediate Consumption. Annual gross value-added will not be calculated by individual crop but at the level of the plot as a whole since farmers in these areas typically implement complex mixed-crop systems.

**Pro-Gender** No **Pro-Ethnicity** No

The General Development  
bjective indicator target is  
expected to be observed by  
the operation's "Fully  
Justified" date  
in Convergence (CO)

No

|     | Indicator  | Unit of Measure | Baseline | Baseline Year | Expected Year of Achievement |   | Target   |
|-----|--|-----------------|----------|---------------|------------------------------|---|----------|
| 0.1 | In selected areas, difference in average annual gross value-added per farm between beneficiaries of research program and control group | US\$            | 0.00     | 2015          | 2022                         | P | 1,442.00 |
|     |  |                 |          |               |                              | A |          |

#### Details

**Means of verification:** Same as Impact Indicator 1 above.

**Observations:** 910 direct beneficiaries of research program (25% of which will be women) Data source for EoP: Chand et al. (2012)

**Pro-Gender** No **Pro-Ethnicity** No

The General Development  
bjective indicator target is  
expected to be observed by  
the operation's "Fully  
Justified" date  
in Convergence (CO)

No

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### RESULTS MATRIX

#### General Development Objectives

**General Development Objectives Nbr. 1:** Decreased crop, livestock and infrastructure losses caused by floods in targeted watershed.

**Observation:**

|     | Indicator   | Unit of Measure | Baseline | Baseline Year | Expected Year of Achievement |   | Target       |
|-----|---|-----------------|----------|---------------|------------------------------|---|--------------|
| 1.0 | Reduction of losses caused by a one year return period flood event in the targeted watersheds | US\$            | 0.00     | 2015          | 2022                         | P | 1,351,414.00 |
|     |   |                 |          |               |                              | A |              |

#### Details

**Means of verification:** Follow up panel surveys in the lower watersheds (using AECOM and ARTELIA methodologies).

**Observations:** The total estimated losses for the prioritized watersheds for a 1-2 year return period are US\$34,429,835 (Aecom, 2015 and Artelia, 2013). Losses include agricultural production, infrastructure and personal property. Baseline values will be recalculated at the beginning of project execution. The reduction of annual losses is a combination of the reduction attributed to mitigation works and EWS. The indicator only considers losses by floods and not erosion because erosion will not impact the irrigation channels before the evaluation. Data source for baseline and EoP: AECOM 2015 / ARTELIA 2013.

|  |    |                      |    |
|--|----|----------------------|----|
| <b>Pro-Gender</b>  | No | <b>Pro-Ethnicity</b> | No |
| <b>The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO)</b> |    |                      |    |

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### RESULTS MATRIX

#### Specific Development Objectives

**Specific Development Objectives Nbr. 0:** Outcome 1. Increased capacity for adaptation to climate change and DRM in the agriculture sector

**Observation:**

| Indicator |   | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018 | 2019 | 2020 | 2021 | EOP 2022 |
|-----------|---|-----------------|----------|---------------|---|------|------|------|------|------|----------|
| 0.0       | Indicator 1.1. Number of climateproof agricultural techniques disseminated through MARNDR's technological transfer program. | Number          | 0.00     | 2016          | P |      |      |      | 5.00 | 5.00 | 10.00    |
|           |   |                 |          |               | A |      |      |      |      |      |          |

#### Details

**Means of verification:** Field visits and monitoring reports.

**Observations:** MARNDR's technological transfer programs are programs such as PTTA (HA-L1059), RESEPAG (financed by the World Bank) and other similar ones.

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |   | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018  | 2019  | 2020  | 2021  | EOP 2022 |
|-----------|---|-----------------|----------|---------------|---|------|-------|-------|-------|-------|----------|
| 0.1       | Indicator 1.2. Agricultural techniques adoption rate among farmers. | Percent         | 0.00     | 2016          | P |      | 75.00 | 75.00 | 75.00 | 75.00 | 75.00    |
|           |   |                 |          |               | A |      |       |       |       |       |          |

#### Details

**Means of verification:** Field visits and monitoring reports. Other comments: This outcome indicator refers to new technologies being promoted.

**Observations:** This is a core indicator for PPCR This indicator refers to the adoption rate among beneficiaries of the applied research program as well as MARNDR's technological transfer program. It will be disaggregated by gender (75% of the 25% women participants in the research program are expected to adopt the techniques). Data source for EoP: PTTA monitoring document (GAFSP); Impact Evaluation of 2223/BL-BO; Bentley et al. (2011)

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |                                   | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018 | 2019 | 2020 | 2021 | EOP 2022 |
|-----------|-----------------------------------|-----------------|----------|---------------|---|------|------|------|------|------|----------|
| 0.2       | Indicator 1.3. iGOPP-FP subindex. | Percent         | 0.51     | 2016          | P | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 3.60     |
|           |                                   |                 |          |               | A |      |      |      |      |      |          |

#### Details

**Means of verification:** iGOPP endline report.

**Observations:** Details on the iGOPP methodology can be found at: <https://publications.iadb.org/handle/11319/6717> Data source: Index of Governance and Public Policy in Disaster Risk Management (iGOPP). National Report, Haiti. <https://publications.iadb.org/handle/11319/6875>

|                   |    |                      |    |
|-------------------|----|----------------------|----|
| <b>Pro-Gender</b> | No | <b>Pro-Ethnicity</b> | No |
|-------------------|----|----------------------|----|

| Indicator |                                   | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018 | 2019 | 2020 | 2021 | EOP 2022 |
|-----------|-----------------------------------|-----------------|----------|---------------|---|------|------|------|------|------|----------|
| 0.3       | Indicator 1.4. iGOPP-RC subindex. | Percent         | 5.00     | 2016          | P | 5.00 | 5.00 | 5.00 | 5.00 | 7.00 | 7.00     |
|           |                                   |                 |          |               | A |      |      |      |      |      |          |

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### RESULTS MATRIX

#### Specific Development Objectives

| Details  |   |                 |               |               |   |      |      |        |        |        |          |
|--|---|-----------------|---------------|---------------|---|------|------|--------|--------|--------|----------|
| Means of verification: iGOPP endline report.   |   |                 |               |               |   |      |      |        |        |        |          |
| Observations: Data source: Same as Indicator 1.3 above.  |   |                 |               |               |   |      |      |        |        |        |          |
| Pro-Gender   |   | No              | Pro-Ethnicity |               |   | No   |      |        |        |        |          |
| Indicator  |   | Unit of Measure | Baseline      | Baseline Year |   | 2017 | 2018 | 2019   | 2020   | 2021   | EOP 2022 |
| 0.4  | Indicator 1.5. Share of MARNDR mitigation works design based on climate risk analysis information system in the selected watersheds | Percent         | 0.00          | 2016          | P |      |      |        | 40.00  | 80.00  |          |
|  |   |                 |               |               | A |      |      |        |        |        |          |
| Details  |   |                 |               |               |   |      |      |        |        |        |          |
| Means of verification: Field visits and monitoring reports.  |   |                 |               |               |   |      |      |        |        |        |          |
| Observations: Data source for EoP: Discussion with senior MARNDR management.                           |   |                 |               |               |   |      |      |        |        |        |          |
| Pro-Gender   |   | No              | Pro-Ethnicity |               |   | No   |      |        |        |        |          |
| Indicator  |   | Unit of Measure | Baseline      | Baseline Year |   | 2017 | 2018 | 2019   | 2020   | 2021   | EOP 2022 |
| 0.5  | Indicator 1.6. Queries to the risk information system registered through the web page.  | Number          | 0.00          | 2016          | P |      |      | 200.00 | 300.00 | 500.00 |          |
|  |   |                 |               |               | A |      |      |        |        |        |          |
| Details  |   |                 |               |               |   |      |      |        |        |        |          |
| Means of verification: monitoring reports.   |   |                 |               |               |   |      |      |        |        |        |          |
| Observations: Data source for EoP: Estimated based on data of other countries where iGOPP is measured. |   |                 |               |               |   |      |      |        |        |        |          |
| Pro-Gender   |   | No              | Pro-Ethnicity |               |   | No   |      |        |        |        |          |

**Specific Development Objectives Nbr. 1:** Outcome 2. Improved water and sediment conservation in selected gullies of priority watersheds.

**Observation:**

| Indicator  |   | Unit of Measure | Baseline | Baseline Year |               | 2017     | 2018      | 2019      | 2020     | 2021 | EOP 2022  |
|--|---|-----------------|----------|---------------|---------------|----------|-----------|-----------|----------|------|-----------|
| 1.0  | Indicator 2.1.: Total volume of sediment contained by checkdams | m3              | 0.00     | 2016          | P             | 2,800.00 | 18,500.00 | 28,400.00 | 7,000.00 | 0.00 | 56,700.00 |
|  |   |                 |          |               | A             |          |           |           |          |      |           |
| Details  |   |                 |          |               |               |          |           |           |          |      |           |
| Means of verification: Field visits and monitoring reports.  |   |                 |          |               |               |          |           |           |          |      |           |
| Observations: Data source for baseline and EoP: Estimations are based on PMDN I monitoring data, which show that the average volume of sediments contained by check-dam is 100 m3. |   |                 |          |               |               |          |           |           |          |      |           |
| Pro-Gender   |   | No              |          |               | Pro-Ethnicity |          |           | No        |          |      |           |
| Indicator  |   | Unit of Measure | Baseline | Baseline Year |               | 2017     | 2018      | 2019      | 2020     | 2021 | EOP 2022  |

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#### Specific Development Objectives

|     |  |    |      |      |   |       |       |        |       |      |        |
|-----|--|----|------|------|---|-------|-------|--------|-------|------|--------|
| 1.1 | Indicator 2.2.: Cultivable area created by check dams in the gullies | Ha | 0.00 | 2016 | P | 14.00 | 92.50 | 142.00 | 35.00 | 0.00 | 283.50 |
|     |  |    |      |      | A |       |       |        |       |      |        |

#### Details

**Means of verification:** Field visits and monitoring reports.

**Observations:** Data source: Estimations are based on the Ex Post Economic Evaluation of PMDN I, which shows that check-dams create on average an additional 0.5 Ha of cultivable area.

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

| Indicator |  | Unit of Measure | Baseline | Baseline Year |   | 2017   | 2018     | 2019     | 2020   | 2021 | EOP 2022 |
|-----------|--|-----------------|----------|---------------|---|--------|----------|----------|--------|------|----------|
| 1.2       | Indicator 2.3.: Total volume of water contained by checkdams that is available during the dry season | m3              | 0.00     | 2016          | P | 297.00 | 1,944.00 | 2,970.00 | 729.00 | 0.00 | 5,940.00 |
|           |  |                 |          |               | A |        |          |          |        |      |          |

#### Details

**Means of verification:** Field visits and monitoring reports.

**Observations:** Data source for EoP: Estimations are based on PMDN I data which shows that the average volume of check dams' water retention tanks is 13.5 m3. Out of the 567 check dams that are going to be built, 440 are going to be equipped with water retention tanks.

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

| Indicator |   | Unit of Measure | Baseline | Baseline Year |   | 2017  | 2018   | 2019   | 2020  | 2021 | EOP 2022 |
|-----------|---|-----------------|----------|---------------|---|-------|--------|--------|-------|------|----------|
| 1.3       | Indicator 2.4.: Farmers who benefit from new cultivable area created by check-dams. | # of farmers    | 0.00     | 2016          | P | 28.00 | 185.00 | 284.00 | 70.00 | 0.00 | 567.00   |
|           |   |                 |          |               | A |       |        |        |       |      |          |

#### Details

**Means of verification:** Field visits and monitoring reports.

**Observations:** This is a core indicator for PPCR. It will be disaggregated by gender. Data source: It corresponds to the number of microdams that are going to be built (the hypothesis is that, on average, there is one farmer cultivating one check-dam).

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

**Specific Development Objectives Nbr. 2:** Outcome 3. Reduced risk of economic losses due to floods and erosion in targeted watersheds.

**Observation:**

| Indicator | Unit of Measure  | Baseline | Baseline Year |      | 2017 | 2018 | 2019 | 2020         | 2021         | EOP 2022     |
|-----------|--|----------|---------------|------|------|------|------|--------------|--------------|--------------|
| 2.0       | Indicator 3.1. Reduction of expected average annual economic losses due to floods in targeted watersheds | US\$     | 0.00          | 2016 | P    |      |      | 1,738,539.00 | 1,738,539.00 | 1,738,539.00 |
|           |  |          |               |      | A    |      |      |              |              |              |

#### Details

**Means of verification:** Results of climate risk modelling (output 1) considering the effects of the project mitigation works, and final reception report of the mitigation works.

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### RESULTS MATRIX

#### Specific Development Objectives

**Observations:** Reduction in economic losses comes from both EWS and infrastructures. Data sources for baseline and EoP: AECOM 2015 and Artelia 2013. The total average loss for the prioritized watersheds between 2 a 100 year return period is US\$ 28,575,996 (Aecom, 2015 and Artelia, 2013).

| <b>Pro-Gender</b> |  | No              | <b>Pro-Ethnicity</b> |               | No |      |      |      |               |               |               |
|-------------------|--|-----------------|----------------------|---------------|----|------|------|------|---------------|---------------|---------------|
| Indicator         |  | Unit of Measure | Baseline             | Baseline Year |    | 2017 | 2018 | 2019 | 2020          | 2021          | EOP 2022      |
| 2.1               | Indicator 3.2. Reduction of expected average annual economic losses due to erosion affecting the irrigation canals in Artibonite | US\$            | 0.00                 | 2016          | P  |      |      |      | 13,242,090.00 | 13,242,090.00 | 13,242,090.00 |
|                   |  |                 |                      |               | A  |      |      |      |               |               |               |

#### Details

**Means of verification:** Results of climate risk modelling (output 1) considering the effects of the project mitigation works, and final reception report of the mitigation works.

**Observations:** Data sources for baseline and EoP: AECOM 2015 and Artelia 2013.

| <b>Pro-Gender</b> |   | No              | <b>Pro-Ethnicity</b> |               | No |      |      |      |      |      |          |
|-------------------|---|-----------------|----------------------|---------------|----|------|------|------|------|------|----------|
| Indicator         |   | Unit of Measure | Baseline             | Baseline Year |    | 2017 | 2018 | 2019 | 2020 | 2021 | EOP 2022 |
| 2.2               | Indicator 3.3. Community based early warning systems functioning in targeted watersheds | System          | 0.00                 | 2016          | P  |      |      |      | 5.00 |      | 5.00     |
|                   |   |                 |                      |               | A  |      |      |      |      |      |          |

#### Details

**Means of verification:** Practical drill evaluated by external expert.

**Observations:** Early warning systems (EWS) will be installed in the targeted watersheds. The EWS will be considered to be “functioning” if the results of a practical drill are satisfactory.

|                   |  |    |                      |  |    |  |  |  |  |  |  |
|-------------------|--|----|----------------------|--|----|--|--|--|--|--|--|
| <b>Pro-Gender</b> |  | No | <b>Pro-Ethnicity</b> |  | No |  |  |  |  |  |  |
|-------------------|--|----|----------------------|--|----|--|--|--|--|--|--|

**Specific Development Objectives Nbr. 3:** Outcome 4. Educational capacity of the FAMV campus restored

**Observation:**

| Indicator |   | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018 | 2019 | 2020 | 2021  | EOP 2022 |
|-----------|---|-----------------|----------|---------------|---|------|------|------|------|-------|----------|
| 3.0       | Indicator 4.1. Annual number of research papers published by FAMV on disaster risk management, and climate-proof agriculture. | research paper  | 0.00     | 2016          | P | 6.00 | 6.00 | 6.00 | 8.00 | 12.00 | 12.00    |
|           |   |                 |          |               | A |      |      |      |      |       |          |

#### Details

**Means of verification:** field visits and monitoring reports.

**Observations:** Data source for baseline: FAMV

|                   |  |    |                      |  |    |  |  |  |  |  |  |
|-------------------|--|----|----------------------|--|----|--|--|--|--|--|--|
| <b>Pro-Gender</b> |  | No | <b>Pro-Ethnicity</b> |  | No |  |  |  |  |  |  |
|-------------------|--|----|----------------------|--|----|--|--|--|--|--|--|

| Indicator |  | Unit of Measure | Baseline | Baseline Year |   | 2017 | 2018 | 2019 | 2020 | 2021   | EOP 2022 |
|-----------|--|-----------------|----------|---------------|---|------|------|------|------|--------|----------|
| 3.1       | Indicator 4.2. Reduction of expected loss of human lives due to collapse of FAMV buildings | Person          | 0.00     | 2016          | P |      |      |      |      | 122.00 | 122.00   |

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### RESULTS MATRIX

#### Specific Development Objectives

|   |  |        |      |      |                      |  |  |    |  |  |  |
|---|--|--------|------|------|----------------------|--|--|----|--|--|--|
| 3.1   | Indicator 4.2. Reduction of expected loss of human lives due to collapse of FAMV buildings | Person | 0.00 | 2016 | A                    |  |  |    |  |  |  |
| Details   |  |        |      |      |                      |  |  |    |  |  |  |
| <b>Means of verification:</b> The Ministry of Public Work (MTPTC) will verify the infrastructure's compliance with the Code national des bâtiments publics (2011) |  |        |      |      |                      |  |  |    |  |  |  |
| <b>Observations:</b> Data source for baseline: Structural evaluation of the FAMV (2015)   |  |        |      |      |                      |  |  |    |  |  |  |
| <b>Pro-Gender</b>   |  | No     |      |      | <b>Pro-Ethnicity</b> |  |  | No |  |  |  |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Component 1. Capacity Building to Reduce Climate Risk

|     | Output   | Unit of Measure |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |              |
|-----|--|-----------------|------|-------------------|----------|--------------------|--------------|
|     |  |                 |      | 2020              | EOP 2022 | 2020               | EOP 2022     |
| 1.1 | Produit 1. Modèles d'analyses de risques climatiques développés  | Etude           | P    |                   | 4        | 150,000            | 800,000      |
|     |  |                 | P(a) | 0                 | 4        | 420,541.56         | 671,430.27   |
|     |  |                 | A    | 0                 | 0        | 59,042             | 186,251.27   |
| 1.2 | Produit 2. Système d'information sur les risques climatiques en agriculture développé                                      | Système         | P    |                   | 1        | 130,000            | 300,000      |
|     |  |                 | P(a) | 0                 | 1        | 0                  | 0            |
|     |  |                 | A    | 0                 | 0        | 0                  | 0            |
| 1.3 | Produit 3. Programme de recherche&formation agricole/resilience CC/dynamique BV mis en oeuvre                              | Programme       | P    |                   | 3        | 556,377.5          | 2,750,000.04 |
|     |  |                 | P(a) | 0                 | 5        | 448,683.77         | 2,203,896.1  |
|     |  |                 | A    | 0                 | 0        | 694,626            | 833,635.1    |
| 1.4 | Produit 4. Programme de formation en gestion de risques climatiques dans l'agriculture développé et mis en oeuvre          | Programme       | P    | 1                 | 1        | 100,000            | 300,000      |
|     |  |                 | P(a) | 0                 | 1        |                    | 300,000      |
|     |  |                 | A    | 0                 | 0        | 0                  | 0            |
| 1.5 | Produit 5. Formation conduite sur l'évaluation des pertes et dommages dus aux désastres naturels dans l'agriculture        | Formation       | P    |                   | 1        |                    | 50,000       |
|     |  |                 | P(a) | 1                 | 1        | 35,493             | 60,754       |
|     |  |                 | A    | 1                 | 1        | 60,754             | 60,754       |
| 1.6 | Produit 6. Plan national de contingence dans le secteur agricole en cas d'événement climatique extrême élaboré et diffusé. | Plan            | P    |                   | 0        |                    | 0            |
|     |  |                 | P(a) | 1                 | 1        | 86,465.57          | 42,172.15    |
|     |  |                 | A    | 1                 | 1        | 28,638             | 42,172.15    |
| 1.7 | Produit 6. Formation conduite sur l'évaluation des pertes et dommages dus aux désastres naturels dans l'agriculture        | Plan            | P    |                   | 3        |                    | 150,000      |
|     |  |                 | P(a) | 0                 | 0        | 0                  | 0            |
|     |  |                 | A    | 0                 | 0        | 0                  | 0            |
| 1.8 | Produit 7. Comités de Gestion de Bassins Versants (CGBV) renforcés   | CGBV            | P    |                   | 0        |                    | 350,000      |
|     |  |                 | P(a) | 0                 | 0        | 146,000            | 0            |
|     |  |                 | A    | 0                 | 0        | 0                  | 0            |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 2 Component 2: Climate Risk Reduction

|     | Output   | Unit of Measure |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |               |
|-----|--|-----------------|------|-------------------|----------|--------------------|---------------|
|     |  |                 |      | 2020              | EOP 2022 | 2020               | EOP 2022      |
| 2.1 | Produit 8. Systèmes communautaires d'alerte précoce aux inondations développés   | Comites         | P    |                   | 3        | 300,000            | 1,500,000     |
|     |  |                 | P(a) | 0                 | 0        | 0                  | 10,800        |
|     |  |                 | A    | 0                 | 0        | 0                  | 10,800        |
| 2.2 | Produit 9. Infrastructures de protection de bassins versants - Amont (Nord et Sud)   | Ouvrage         | P    | 826               | 3,303    | 700,000            | 3,170,000.44  |
|     |  |                 | P(a) | 750               | 2,961    | 593,519.85         | 1,519,045.05  |
|     |  |                 | A    | 741               | 2,918    | 109,679            | 1,135,654.05  |
| 2.3 | Produit 10. Infrastructures de protection de bassins versants - Amont (St Raphael / St Michel)   | Ouvrage         | P    | 429               | 1,717    | 523,000.25         | 2,100,000.75  |
|     |  |                 | P(a) | 50                | 1,061    | 500,000            | 1,249,895.6   |
|     |  |                 | A    | 68                | 1,061    | 288,490            | 1,246,249.6   |
| 2.4 | Produit 11. Infrastructures de protection de bassins versants - Aval   | Ouvrage         | P    | 1                 | 5        | 5,430,000          | 19,429,999.8  |
|     |  |                 | P(a) | 0                 | 8        | 5,017,245.35       | 17,345,292.54 |
|     |  |                 | A    | 0                 | 5        | 4,429,615          | 11,301,651.54 |
| 2.5 | Produit 12.-Subvention aux agriculteurs du Sud   | # of farmers    | P    |                   | 0        |                    | 0             |
|     |  |                 | P(a) | 0                 | 2,650    | 0                  | 497,928.91    |
|     |  |                 | A    | 0                 | 2,650    | 0                  | 497,928.91    |
| 2.6 | Produit 13-Curage et nettoyage du perimetre irrigue de Dubreuil et réparation et construction de 4 km de canaux primaires et secondaires | Metres          | P    |                   | 0        |                    | 0             |
|     |  |                 | P(a) | 0                 | 52,035   | 0                  | 0             |
|     |  |                 | A    | 0                 | 52,035   | 0                  | 0             |
| 2.7 | Produit 13.1-Curage et nettoyage du perimetre irrigue de Dubreuil  | Metres          | P    |                   | 0        |                    | 0             |
|     |  |                 | P(a) | 0                 | 48,000   | 0                  | 200,000       |
|     |  |                 | A    | 0                 | 48,000   | 0                  | 200,000       |
| 2.8 | Produit 13.2-Réparation et construction de 4 km de canaux primaires et secondaires   | Metres          | P    |                   | 0        |                    | 0             |
|     |  |                 | P(a) | 0                 | 4,035    | 0                  | 30,257        |
|     |  |                 | A    | 0                 | 4,035    | 0                  | 30,257        |

## Component Nbr. 3 Component 3: Reconstruction of Faculty of Agronomics and Veterinary Medicine (FAMV)

|     | Output  | Unit of Measure |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |               |
|-----|---|-----------------|------|-------------------|----------|--------------------|---------------|
|     |   |                 |      | 2020              | EOP 2022 | 2020               | EOP 2022      |
| 3.1 | Produit 12. Faculté d'Agronomie et Médecine Vétérinaire construite et équipée | Faculte         | P    |                   | 1        | 3,000,000          | 9,999,999.59  |
|     |   |                 | P(a) | 0                 | 1        | 2,292,801.42       | 17,461,691.65 |
|     |   |                 | A    | 0                 | 0        | 1,602,798          | 9,888,061.24  |

## Other Cost

|  |   |      |  |  |              |              |
|--|---|------|--|--|--------------|--------------|
|  | Gestion / Audit / Evaluation / Imprevus | P    |  |  | 1,039,853.09 | 5,599,999.79 |
|  |   | P(a) |  |  | 1,000,861    | 4,906,837.14 |
|  |   | A    |  |  | 1,067,792    | 3,698,778.17 |

## Total Cost

|  |            |      |  |  |               |               |
|--|------------|------|--|--|---------------|---------------|
|  | Total Cost | P    |  |  | 11,929,230.84 | 46,500,000.41 |
|  |            | P(a) |  |  | 10,541,611.52 | 46,500,000.41 |
|  |            | A    |  |  | 8,341,434     | 29,132,193.03 |

## CHANGES TO THE MATRIX

| Section | Name   | Type of Change                       | Subtype   | Modified By | Entered in the System |
|---------|--|--------------------------------------|---|-------------|-----------------------|
| Output  | Produit 1. Modèles d'analyses de risques climatiques développés  | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | DESALVO     | 03/26/2021            |
|         | Produit 10. Infrastructures de protection de bassins versants - Amont (St Raphael / St Michel)   | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | STEVENSS    | 03/15/2021            |
|         |  |                                      | Modify Physical EOP P(a) value - caused by a change in the Physical P(a).   | STEVENSS    | 03/15/2021            |
|         | Produit 11. Infrastructures de protection de bassins versants - Aval   | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | DESALVO     | 03/27/2021            |
|         | Produit 12. Faculté d'Agronomie et Médecine Vétérinaire construite et équipée  | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | DESALVO     | 03/27/2021            |
|         | Produit 12.-Subvention aux agriculteurs du Sud   | Modify contribution to CRF Indicator | Flag contribution to CRF indicator  | DESALVO     | 03/27/2021            |
|         | Produit 13-Curage et nettoyage du perimetre irrigue de Dubreuil et réparation et construction de 4 km de canaux primaires et secondaires | Modify contribution to CRF Indicator | Flag contribution to CRF indicator  | DESALVO     | 03/27/2021            |
|         | Produit 3. Programme de recherche&formation agricole/resilience CC/dynamique BV mis en oeuvre  | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | DESALVO     | 03/26/2021            |
|         |  |                                      | Modify Physical EOP P(a) value - caused by a change in the Physical P(a).   | STEVENSS    | 03/15/2021            |
|         | Produit 4. Programme de formation en gestion de risques climatiques dans l'agriculture développé et mis en oeuvre                        | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | STEVENSS    | 03/15/2021            |
|         | Produit 5. Formation conduite sur l'évaluation des pertes et dommages dus aux désastres naturels dans l'agriculture                      | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | STEVENSS    | 03/15/2021            |
|         | Produit 6. Plan national de contingence dans le secteur agricole en cas d'evenement climatique extreme elabore et diffuse.               | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | STEVENSS    | 03/15/2021            |
|         | Produit 7. Comités de Gestion de Bassins Versants (CGBV) renforces   | Modify Output                        | Modify Physical EOP P(a) value - caused by a change in the Physical P(a).   | DESALVO     | 03/26/2021            |
|         | Produit 8. Systèmes communautaires d'alerte précoce aux inondations développés   | Modify Output                        | Modify Physical EOP P(a) value - caused by a change in the Physical P(a).   | DESALVO     | 03/26/2021            |
|         | Produit 9. Infrastructures de protection de bassins versants - Amont (Nord et Sud)   | Modify Output                        | Modify Financial EOP P(a) value - caused by a change in the Financial P(a). | STEVENSS    | 03/15/2021            |
|         |  |                                      | Modify Physical EOP P(a) value - caused by a change in the Physical P(a).   | STEVENSS    | 03/15/2021            |

# PMR Public Report

## IMPLEMENTATION STATUS AND LEARNING

### Lesson Learned - Categories

Project Design