



Integrated Landscape Management in Dominican Republic Watersheds (P170848)

LATIN AMERICA AND CARIBBEAN | Dominican Republic | Environment, Natural Resources & the Blue Economy Global Practice | Global Environment Project | Investment Project Financing | FY 2022 | Seq No: 3 | ARCHIVED on 30-Jun-2023 | ISR54940 |

Implementing Agencies: Dominican Republic, Ministry of Environment and Natural Resources

Key Dates**Key Project Dates**

Bank Approval Date: 04-Oct-2021

Effectiveness Date: 22-Dec-2022

Planned Mid Term Review Date: 27-Sep-2024

Actual Mid-Term Review Date:

Original Closing Date: 30-Sep-2026

Revised Closing Date: 30-Sep-2026

Project Development Objective (PDO)

Project Development Objective (from Project Appraisal Document)

The objective of the project is to strengthen integrated landscape management in targeted watersheds in the Dominican Republic.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name
Enabling environment for Integrated Landscape Management (ILM) and Land Degradation Neutrality (LDN):(Cost \$733528.00 M)
Scaling up sustainable rice production systems to improve productivity, water use efficiency, and biodiversity conservation:(Cost \$1383965.00 M)
Restoration of biodiversity and hydrological services in critical ecosystems:(Cost \$1582489.00 M)
Project Management and Monitoring & Evaluation:(Cost \$363945.00 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

The Grant Agreement became effective on December 22, 2022 as all the conditions were met, i.e.: (i) The execution of an inter-institutional agreement between the Ministry of Environment (*Ministerio de Medio Ambiente y Recursos Naturales*, MARN), the Ministry of Agriculture (*Ministerio de Agricultura y Ganadería*, MAG), and the Ministry of Economy, Planning, and Development (*Ministerio de Economía, Desarrollo, y Planificación*, MEPyD); (ii) Preparation and adoption of the Project Operational Manual (POM) in a manner acceptable to the Bank; (iii) The establishment of a Project Implementation Unit (PIU), staffed with a Project Coordinator, in a manner acceptable to the Bank; (iv) The establishment of the project Steering Committee, in a manner acceptable to the Bank; and (v) Assignment of a National Public Investment System (*Sistema Nacional de Inversión Pública*, SNIP) code to the project.



However, actual implementation has been delayed by administrative challenges. In particular, the recruitment of the other key PIU staff members has not concluded yet.

To support this early implementation process, the Bank's team will continue having frequent meetings with Government counterparts and plans to organize an Implementation Support Mission by end of August, 2023.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	<input type="checkbox"/> Low	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Macroeconomic	<input type="checkbox"/> Low	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Sector Strategies and Policies	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Technical Design of Project or Program	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Fiduciary	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Overall	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Results

PDO Indicators by Objectives / Outcomes

To strengthen integrated landscape management in targeted watersheds in the Dominican Republic				
▶ Area of productive land under improved practices to enhance climate resilience and environmental sustainability as a result of the project (excluding protected areas) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,680.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Aggregate indicator of sub-indicators. Corresponds to GEF Core Indicator 4.3.			
□ Area of productive rice land in lower watersheds under climate-smart and sustainable land management as a result of the project (Hectare(Ha), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3,600.00



Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
□ Area of productive land in upper watersheds under climate-smart and sustainable land management as a result of the project (Hectare(Ha), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,080.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
▶ Farmers adopting climate-smart and sustainable rice production practices as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,200.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Farmers that adopt sustainable rice production technologies and approaches as a result of trainings provided under Component 2. Results will be disaggregated by gender. Assumption of farmers adopting rice production technologies assumed to be 65% of those trained (Indicator 9B) one year after the training. 65% uptake rate estimated by MAG.			
▶ Area of degraded agricultural land restored as a result of approved sub-projects (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	210.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Restoration of degraded agricultural land is defined as the implementation of approved restoration activities funded by the sub-projects under Component 3. Corresponds to GEF Core Indicator 3.1. Assumptions for this indicator: - 2 sub-projects are focused on restoration of degraded land. - Total funding for sub-projects assumed to be \$1.42m. Therefore, if assuming same funding for each sub-project, the 2 restoration sub-projects would have \$0.58m in funding (combined). - The average cost of restoration of degraded landscapes is assumed to be \$2,754/ha (from Plan Quisqueya Verde). - Therefore, given the envelope of \$0.58m, there is potential for restoration on 210 ha. - Intermediate targets follow the rate of approved sub-projects, one year after approval (below) as follows: o YR3: 40% o YR4: 100%			
▶ Area of landscapes under approved management plans to benefit biodiversity as a result of the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	306,900.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Improved management plans to benefit biodiversity are equivalent to the Strategic Plans for Territorial Development. Approval of these Plans is done at the municipal level and is documented in a Municipal Ordinance. The area of the municipality in which these Plans are approved will constitute the area under the Plans. Corresponds to GEF Core Indicator 4.1. Assumptions for this indicator: - Area de Madre de las Aguas: 358,525 ha - FEDOMU: 79,999 ha - Expectation is 70% of municipalities will approve the Strategic Plans for Territorial Development (provided by MEPyD). - Therefore, the total end target is 70% of the area of Madre de las Aguas and FEDOMU (as an average given size of each municipality cannot be predicted at this time), totaling 306,900 ha. - Madre de las Aguas is expected to approve their Strategic Plan first (in year 3) and FEDOMU is expected to approve in year 4. Therefore, the timing of approval by municipalities is assumed to be: o Year 3: 57% of the total area (70% of Madre de las Aguas) o Year 4: 70% of the total area (which includes 70% of FEDOMU)			

Overall Comments



Once the PIU is in place, the Project will need to review the indicator values anticipated in the results framework.

Intermediate Results Indicators by Components

1: Enabling environment for Integrated Landscape Management				
► Established and effective Basin Committees (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	2.00	2.00	16.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Basin Committees include micro-basin committees, representative sub-basin organizations, and river basin council or committees. To be established and effective, these Basin Committees must be created, have active membership, and have the capacity to facilitate dialogue and make decisions. Assumptions: - Baseline (2): CRYN (YdN); Cuenca Rio Jamao (Yuna). - End target: 14 total: ten micro-basin committees, three representative sub-basin organizations, and a river basin council or committee. - Assumption for timing is 4 committees are effective each year between year 2 and 4 of the project with a final 2 becoming effective in the final year of the project.			
► Multi-stakeholder knowledge platform in place for monitoring the climate and environmental sustainability of the Yaque del Norte and Yuna watersheds (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	The platform is defined as a monitoring system of key indicators related to the environmental sustainability of the river basin. The platform will consolidate information from relevant analyses, projects, cartography, and reports. The platform will be considered 'in place' when it is available publicly and functional. The platform will be improved over the lifetime of the project and a basic version will first be available. Assumption it is completed in year 4 given analytical and governance work required before it can be established/functional.			
► Basin Committees using the multi-stakeholder knowledge platform for watershed management (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	16.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Basin Committees will be encouraged to reference the multi-stakeholder knowledge platform in the management of the micro-basin, sub-basin organizations, or rivers in their jurisdiction. Those actively using this platform to inform their management, including in decisions, will indicate as such in surveys. Assumptions: - Once the knowledge platform is available, assumed 75% use in year2, 80% in year 3, and 100% from year 4 onwards.			
► Inclusive, participatory and ILM-based strategic plans and agendas developed as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Plans and agendas are defined as the Environmental Agenda and the Strategic Plans for Territorial Development that will be supported under Component 1. Approval will either be at the national-level			



(Environmental Agenda) or sub-national or local-level (Strategic Plans for Territorial Development). Assumptions are: - Environmental Agenda is approved in year 2 based on analytical work/baselines being completed in the 1st year of the project. - 1 Municipal Territorial Management Plan (Madre de las Aguas) approved in year 2 and another in year 3 (FEDOMU) as envisioned by MEPyD.				
► Beneficiaries trained in integrated watershed management as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	400.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Aggregate of sub-indicators. Results will be disaggregated by gender. Corresponds to GEF Core Indicator 11.			
<input type="checkbox"/> Technicians trained in land use planning and monitoring of biodiversity as a result of the project (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
<input type="checkbox"/> Beneficiaries trained to promote women leadership in Basin Committees as a result of the project (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	30-Jun-2021	29-Jun-2022	23-Jun-2023	30-Jun-2026
2: Scaling up sust. rice production sys. to improve productivity, water use efficiency, and BD convs				
► Beneficiaries trained to apply climate-smart and sustainable rice production technologies as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,095.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Aggregate indicator of sub-indicators. Results will be disaggregated by gender. Corresponds to GEF Core Indicator 11.			
<input type="checkbox"/> Technicians and extension officers (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	65.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
<input type="checkbox"/> Farmers (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,850.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026



<input type="checkbox"/> Beneficiaries trained on gender inclusion issues for sustainable rice production as a result of the project (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	180.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
<input type="checkbox"/> Area of sites established demonstrating climate-smart and sustainable rice production technologies as a result of the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	130.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Sites are defined as demonstration plots for sustainable rice production technologies and approaches established under Component 2. Assumptions for this indicator: - 50 Ha (5 parcels) will be established by Bioarroz in the first year - 80 Ha (27 parcels) will be established by IDIAF in the second year. - The parcels will be supported for 3 consecutive years.			
3: Restoration of biodiversity and hydrological services in critical ecosystems				
<input type="checkbox"/> Restoration and agroforestry climate-smart sub-projects approved by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Sub-projects approved under Component 3. Assumption is 5 sub-projects total (based on budget), with selection starting in year 2 and culminating in year 3 (due to work required prior on proposal process) and expected learning process from the first approvals to the final approvals (hence some being approved in year 3).			
<input type="checkbox"/> Restoration and agroforestry climate-smart sub-projects completed by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Completion of sub-projects approved under Component 3. Assumption that each project will take 2 years to complete (follows timing in indicator 11).			
<input type="checkbox"/> Beneficiaries of sub-projects financed by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	600.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Number of people who benefit from sub-projects under Component 3. Results will be disaggregated by gender. Corresponds to GEF Core Indicator 11. Input information from Asociación de Productores Agroforestales de Zambrana-Chacuey (APA) which states that an agroforestry/mixed use/restoration Project over 875 hectares had direct and indirect beneficiaries totaling 1,750 (assumption is this includes families that benefit). Assumptions for this indicator: - End target is roughly one-third of results from APA expected for this project given that the average family size in DR is 3.2 people (and beneficiaries for this project are not expected to extend to indirect family benefits), totaling 600. In addition, this conservative estimate takes into account averages over the 5 sub-projects, the much shorter timeline (as compared to APA) and targeted activities. - Benefits expected to reach a proportion of beneficiaries within one year of			



approval of sub-projects (indicator 11) according to the following proportions: o 40% in year 3 o 83% in year 4 o 100% in year 5 (when final project completed)				
► Beneficiaries received training on gender inclusion issues relevant to sub-projects as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	360.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	People who receive training on gender inclusion related specifically to the sub-projects. Results will be disaggregated by gender. Corresponds to GEF Core Indicator 11. Assumptions: - 60% of beneficiaries of sub-projects will receive training on gender issues. - Timing is consistent with when workshops will be held to prepare proposals (year 2) and implementation of sub-projects (years 3-5).			
4: Project Management and Monitoring & Evaluation				
► Actions proposed by beneficiaries during consultation and/or stakeholder engagement events that have been incorporated into project implementation (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	9.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Feedback from beneficiaries will be received through processes described in the project's Stakeholder Engagement Plan. Actions may be proposed and documented through these processes. Incorporation of actions must be formally documented. Assumption is most will be incorporated in the first year, but as engagement continues throughout implementation, more actions would be incorporated, as expected in the Stakeholder Engagement Plan.			
► Carbon sequestered or emissions avoided in the AFOLU sector (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	72,157.00
Date	30-Jun-2021	02-Jun-2022	23-Jun-2023	30-Jun-2026
Comments:	Carbon sequestered or emissions avoided in the AFOLU sector will be reported in tonnes of carbon dioxide equivalent (tCO ₂ e) using the EX-ACT Tool, according to GEF requirements. Assumption: - According to the GHG analysis for the project at Appraisal stage, the total tCO ₂ e expected to be sequestered or avoided totals 72,157 by the end of the project. - Expected exponential increase in emissions sequestered or avoided over the lifetime of the project. Corresponds to GEF Core Indicator 6.1.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

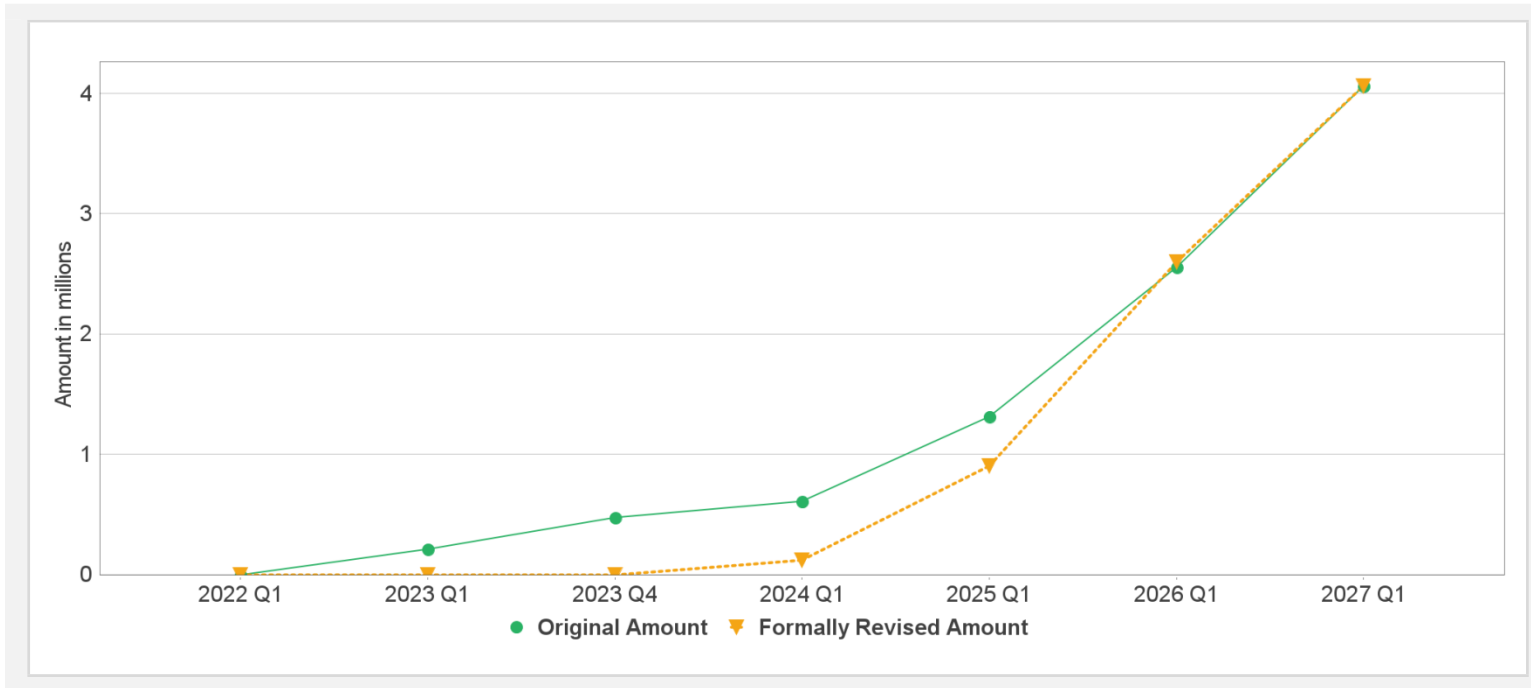
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P170848	TF-B7197	Effective	USD	4.06	4.06	0.00	0.00	4.06	0%

Key Dates (by loan)



Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P170848	TF-B7197	Effective	20-Oct-2021	23-Nov-2021	22-Dec-2022	30-Sep-2026	30-Sep-2026

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.