

Overview of the Emission Reduction Program

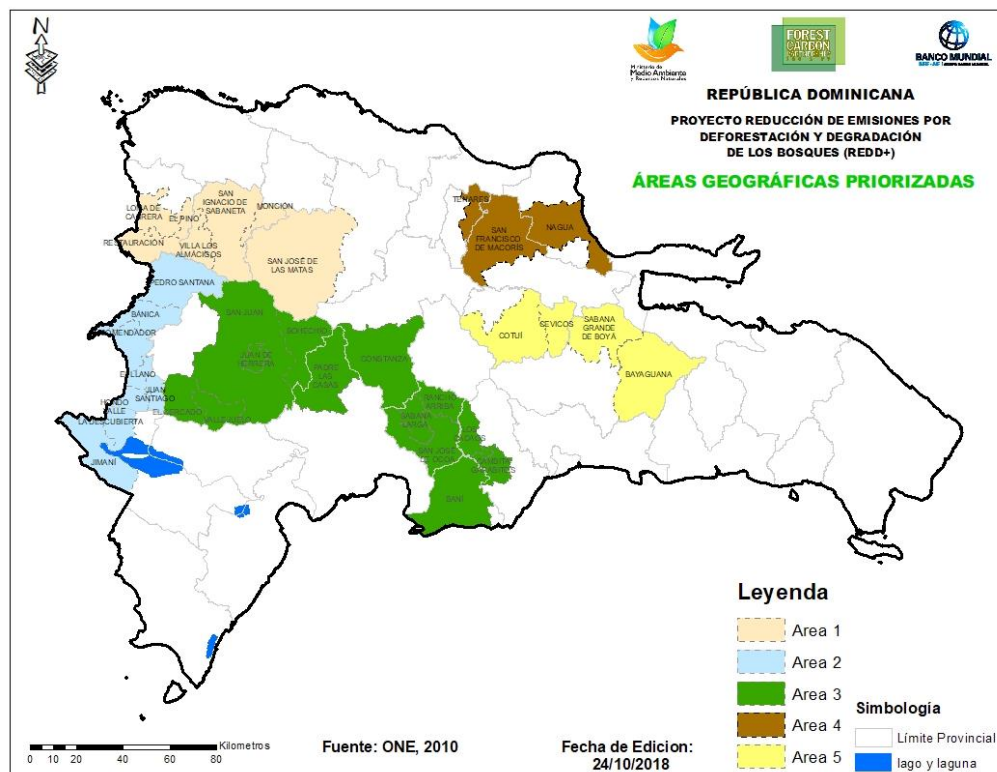
Dominican Republic

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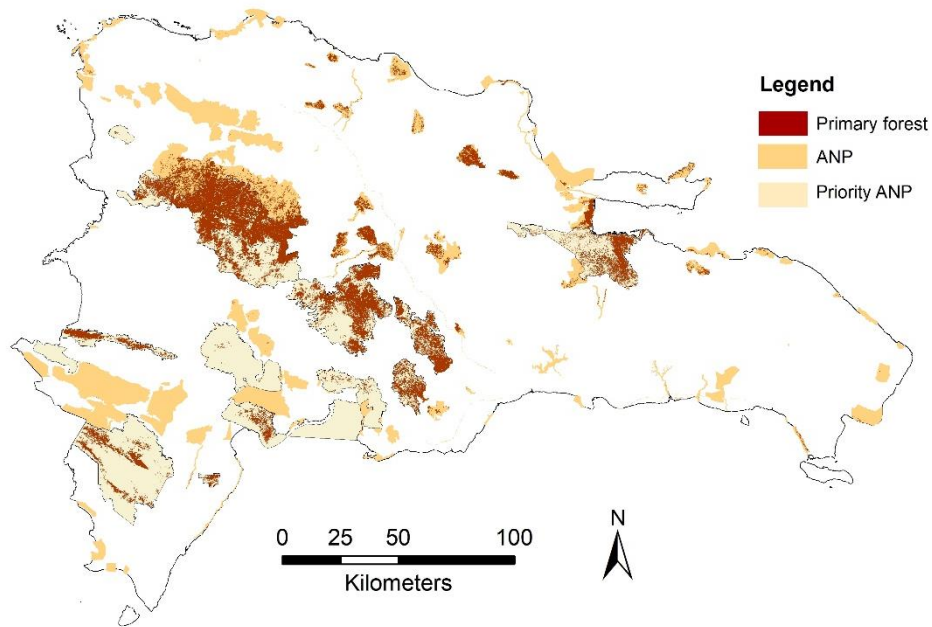
Jurisdiction: Map and Key Relevant Program Area Features



- Population density: **223 p/km²**
- Objective of ER-Program: to **reduce** GHG emissions from DD and increase the carbon stocks
- Forest Coverage Regeneration
- Protection of Forest Areas/Protected Areas
- Sustainable Forest Management
- Establishment of Coffee, Cocoa and Silvopastoral Programs
- National ER-Program : **5** prioritized areas
- **5.2** MtCO₂-eq 2020-2024

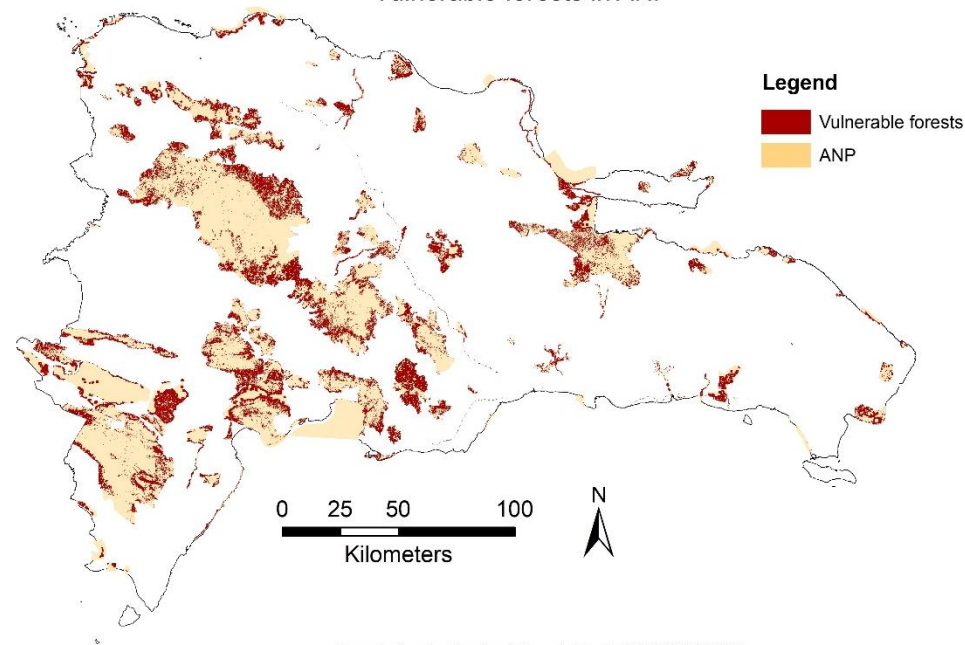
Protected Areas

Primary forests in ANP (360,000 out of 552,000 has)



Data: Terrapulse, 2018 > 85% tree cover

Vulnerable forests in ANP

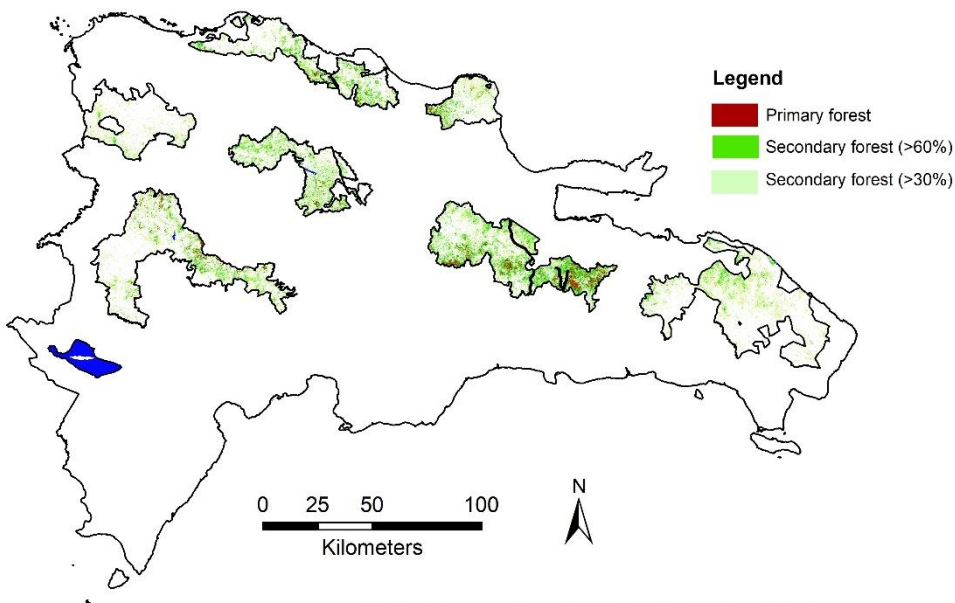


Expected reduction in deforestation in ANP 2020-2024:

9,370 has = 1,584,000 Mg CO₂

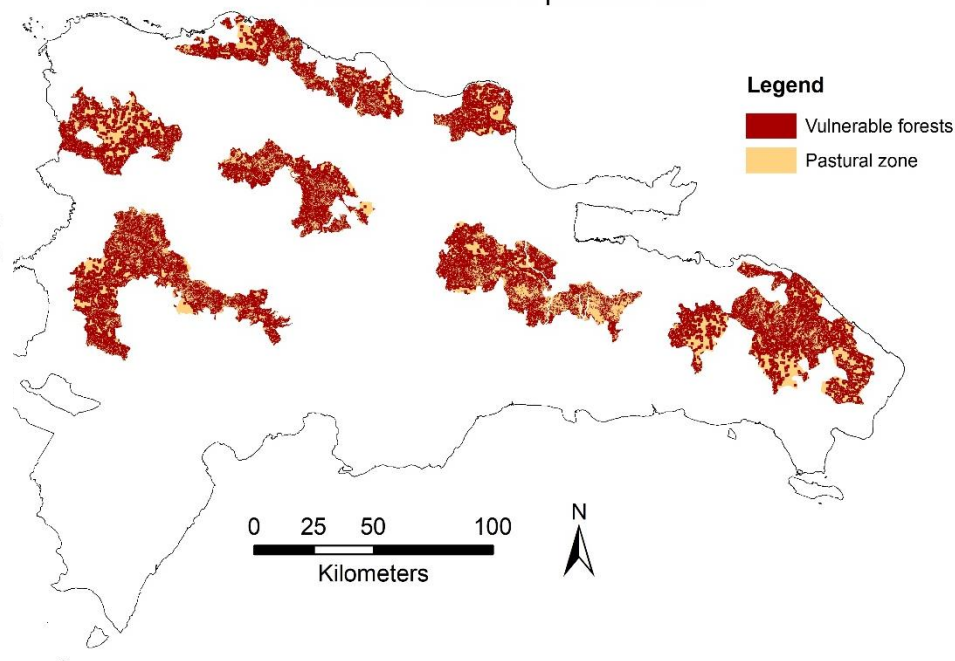
Pastoral Zone

Secondary and primary forest (25,000 has) in pastoral zone



Data: Terrapulse, 2018, 30%, 60%, 85% tree cover

Vulnerable forests in pastoral zone



Expected reduction in deforestation in pastoral zone 2020-2024:

7,900 has = 1,336,000 Mg CO₂

Drivers of Deforestation and Degradation

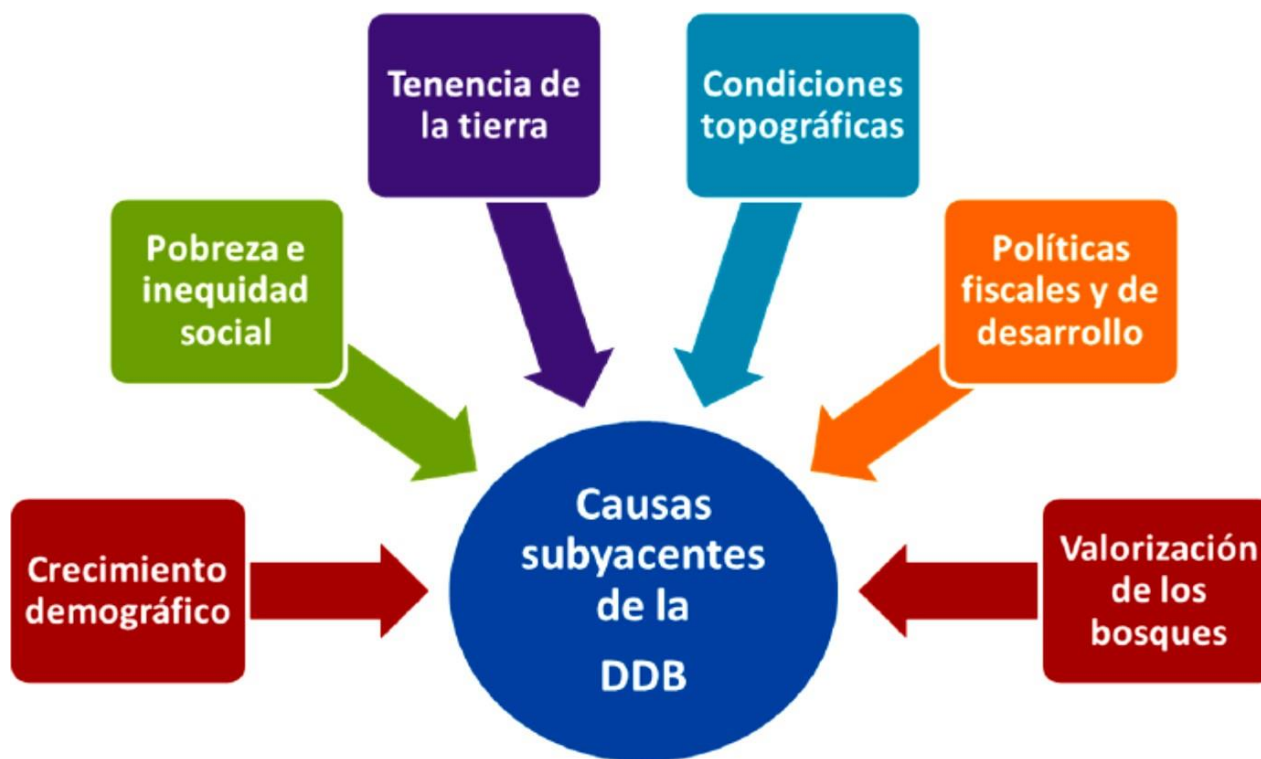
Key Drivers

- Analysis of drivers of DD and strategic options to address the drivers

Priority	Direct Driver of Deforestation	Direct Driver of Degradation
Very High	Commercial Livestock	Cattle grazing in forests
	Illegal logging of natural forest	Extraction of wood, firewood / coal Badly managed / poorly executed management plans
High	Commercial Agriculture	Medium and low intensity fires
	Migratory agriculture / subsistence	Introduction of alien / invasive species
Medium	Opencast mining	Extraction of wood forest products
	Extraction of wood, firewood / coal	Illegal logging of natural forest

Drivers of Deforestation and Degradation

Underlying Causes



Main interventions

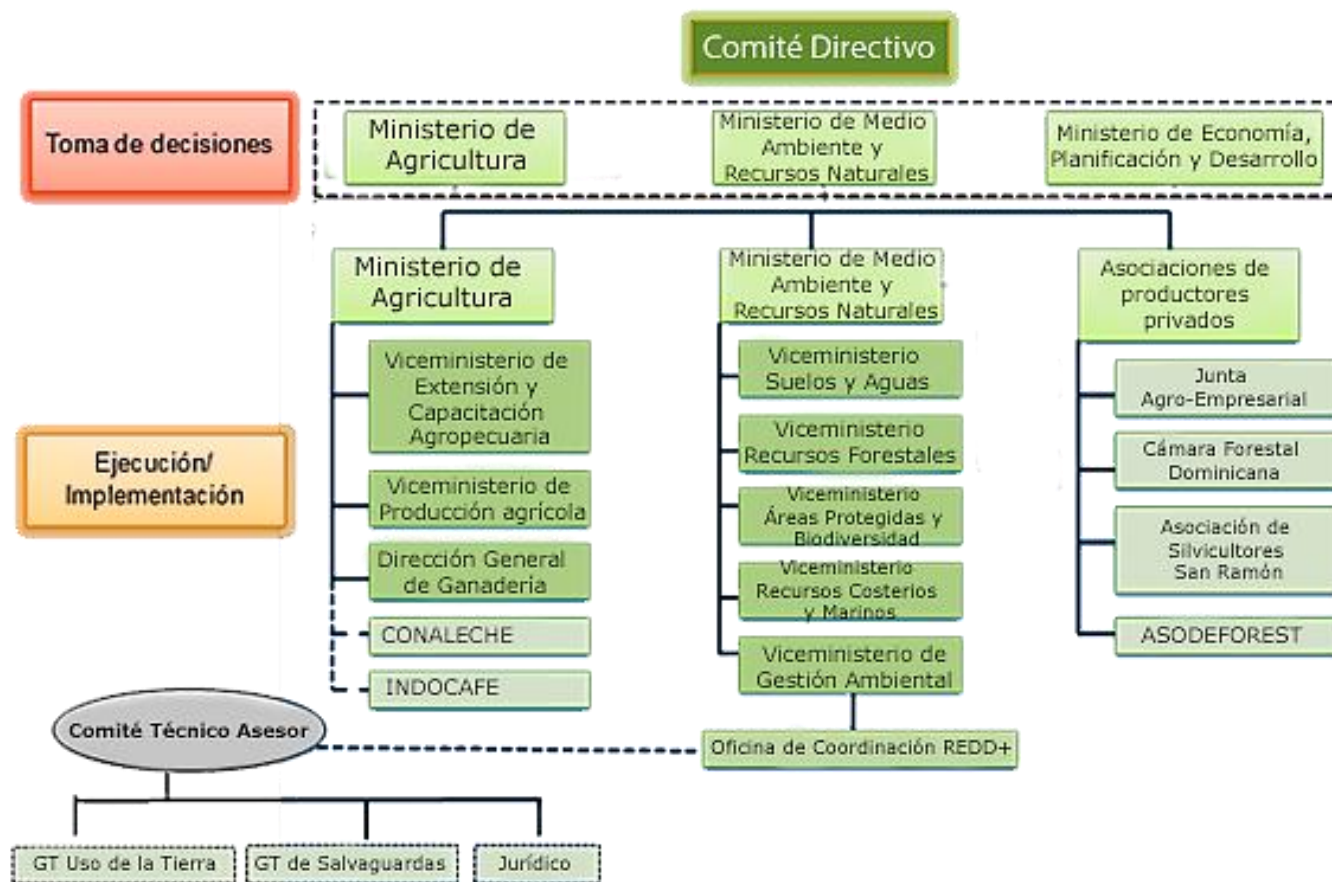
Strategic options to address the drivers

1. Strengthen the legal and institutional framework for the conservation of natural heritage and the sustainable use of natural resources (**6 strategic options**)
2. Establish, strengthen and implement public policies to limit and/or contain the expansion of the agricultural, livestock and infrastructure frontier in forested areas (**4 strategic options**)
3. Promote natural resource management models that contribute to the conservation and sustainable use of forests and increase forest cover (**12 strategic options**)

Main interventions

Executing Entities (Plans, programmes and projects)	Main types of actions
National Quisqueya Verde Plan	Reforestation, agroforestry, social forestry
National System of Protected Areas	Conservation of natural resources, PNA management plans
Agroforestry programme from Presidency	Coffee/fruit plantations, reforestation
Shade-grown cocoa agroforestry systems (Department of Cocoa – Ministry of Agriculture)	Cocoa plantations
Shade-grown coffee agroforestry systems (Indocafe)	Coffee plantations
Silvopastoral systems and forest conservation in livestock farms (Conaleche, National Directorate of Livestock , Ministry of Agriculture)	Restoration, natural regeneration, conservation
Resilient Agriculture and Integrated Water Resources Management Project (WB operation)	Forest conservation, cocoa and coffee plantations
Sustainable Forest Management (La Celestina, Asodeforest)	Forest management, reforestation
Payment for Environmental Services Scheme from Yaque del Norte Watershed (Ministry of Environment)	Coffee plantations and management, forest conservation

Implementation Arrangements



ER-PROGRAM BUDGET AND FINANCING

Cost/benefit analysis study and financing plan

Sector	Expected Cost	Economic Analysis (years 1-5)
Public	Institutional Transaction Implementation	\$153.9 M will be required \$166.9 M Potential sources No Financial Gap
Private	Conservation/Preservation Restoration/Reforestation Transformation/Agroforestry	\$94.7 M will be required \$104.5 M as aggregated benefits Sources of Financing?

Reference Levels

based on recommended calculations of uncertainties

Forest cover 2005-2015	
IPCC transition category	Area (ha)
Land that remained as forest land	1,968,668
Forest land converted to non-forest land (deforestation- loss)	-184,851
Non-forest land converted into forest land (regeneration-gain)	+ 467,263
Balance	+302,412

- DR's forest emissions and removals total **662,545 tCO₂eq/year**
- Emission from deforestation will total on average **3,203,463 tCO₂eq** from 2020 to 2024
- With the buffers and uncertainty the ER-Program will generate forest emission reductions and removals in the order of **5.2 M tCO₂eq**

Reference level: i) Deforestation ii) Degradation iii) Increase in forest carbon stocks

Estimated Emissions Reductions, based on the revised estimation of uncertainty

Strategic actions	Area (ha)
Carbon stock improvement	
• Setting up natural regeneration and reforestation	62,000
• Setting up silvopasture systems	27,834
• Establishing coffee and agroforestry systems	12,000
• Setting up cocoa agroforestry systems	15,000
Deforestation and degradation	
• Monitoring of Protected Areas	200,000
• Natural and secondary woodland management	14,200
• Adding woodlands to the Payment for Environmental Services Program	2,000
• Protecting woodland on farms that have set up silvopasture systems	7,900
Total reduction	+6,321,442 tCO_{2-e}
Uncertainty level and the risk of reversals	-1,053,574 tCO_{2-e}
Net emission reductions	5,267,868 tCO_{2-e}

Measurements, Monitoring, Reporting

MMR system of the ER-Program has three primary functions:

1. Emissions reductions.
2. Multiple benefits: i) Impact on the conservation of biodiversity, ii) Water resource and iii) Green jobs.
3. Safeguards: i) Natural habitats, ii) Forest, iii) Involuntary resettlement, iii) Natural and cultural resources and iv) Local communities.

Generation of:

- Activity data: i) Forest land converted to grassland and crops, ii) Land converted to forest land, iii) Land remaining as forests
- Emission factors
- Removal factors
- Reduction of uncertainty in the estimation of emissions: i) A first adjustment in activity data, ii) A second adjustment to the emission factors

Safeguards

Common approach of safeguards and operational policies:

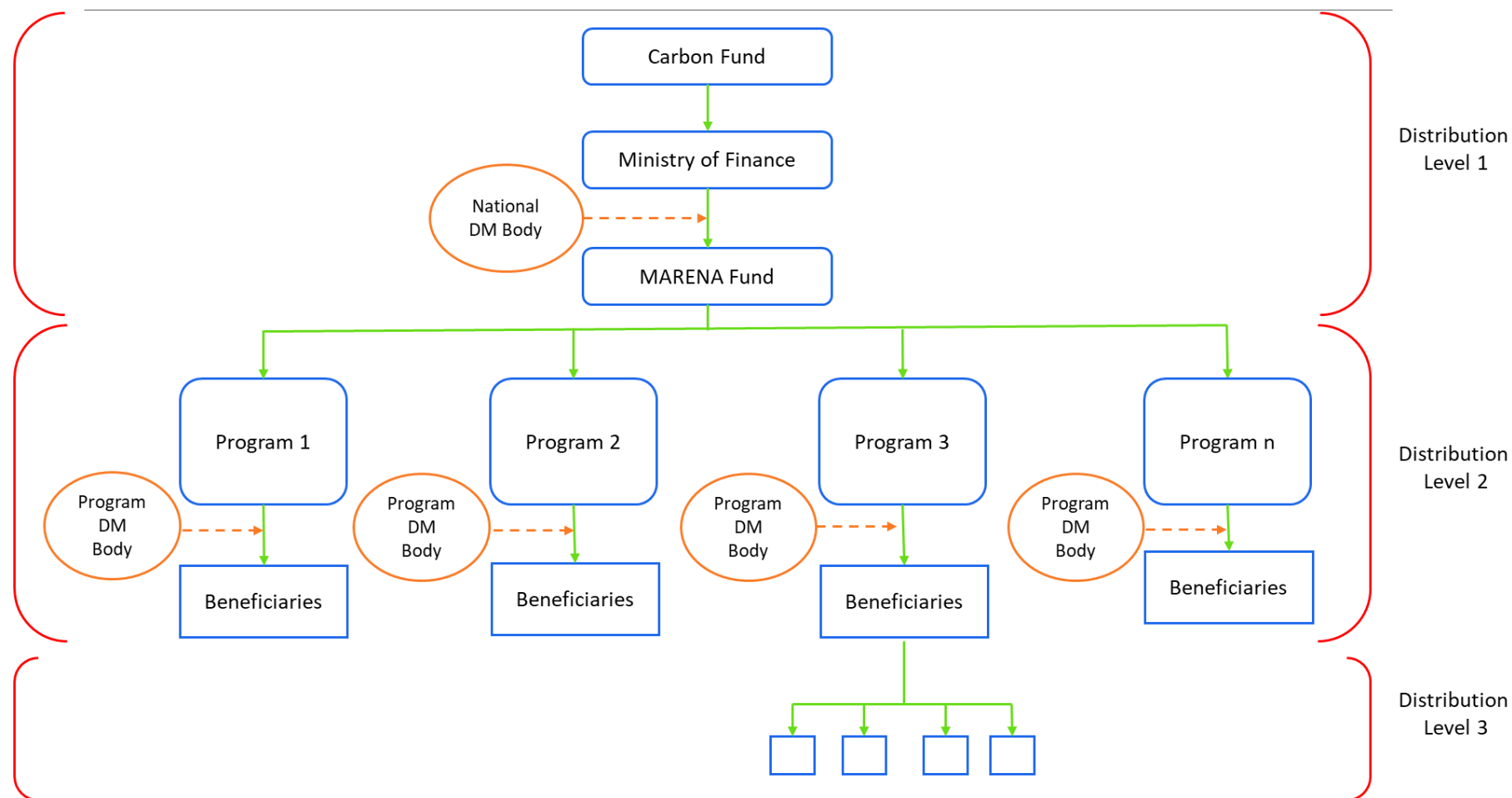
- Social and Environmental Strategy Assessment
- Environmental and Social Management Framework
 - Environmental Management Plans
- Feedback and Grievance Redress Mechanism
- Safeguards Information System



Types of activities	Specific activities	Possible social and environmental impacts and risks	Mitigation measures
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Training guide on Safeguards in the Dominican Republic, July 2019

Benefit-Sharing Plan



Stakeholder consultation and participation

ACTIVITIES CARRIED OUT	No. PARTICIPANTS
Workshops held ahead of the Readiness phase	389
Meetings	253
Safeguarding Working Group Meetings	63
Land and Forest Use Working Group Meetings	52
Legal Working Group Meetings	44
Awareness Process	225
Capacity Building	100
Regional and National Workshops on Drivers of Deforestation and Forest Degradation	192
SESA Workshops Awareness and Preparation Visits	86
Regional and National SESA workshops	365
Technical Meetings with Stakeholders	972
National Workshops ESMF, SIS, FGRM	239
REDD+ Strategy local and national Consultation	111
Environmental and Social Management Plans regional Workshops	155
Benefit Sharing Arrangements	79
Total	3,325

Alignment with jurisdictional and national development priorities and climate commitments

The ER-Program is considered under:

- The Constitution of the Dominican Republic
- The National Development Strategy 2010-2030 (Law 01-12)
- General Law on Environment and Natural Resources (Law 64-00)
- National Policy of Climate Change (Decree No. 265-15)
- Law on Environmental Services (Law 44-18)
- NDC to reduce 25% by 2030



Improvements before the ERPA

- **Budget/Financial Plan:**
 1. Consultancy on a Financing Plan
 2. Final study in November 2019
- **Benefit Sharing Plan:**
 1. Consult with third level beneficiaries
 2. FMT Recommendations and latest approved guidelines reviewed
 3. Normative aspects
 4. Inter-institutional arrangements with Executing Entities
 5. Advanced Draft approved by CFP by latest November 2019
- **Measuring, Reporting and Verification**
 1. National Data Management System of Programs and Projects

THANK YOU!