

CONSERVATION NEED

This Plan is focused on forests and agroforestry systems located at mid-elevations in Central America and northern South America, which are recognized as critical habitats for several species of migratory birds in steep decline.

EXECUTIVE SUMMARY
Conservation Investment Strategy for mid-elevation forests in Central and South America.

METHODOLOGY - DEVELOPMENT OF PLAN

Strategic Areas for Action

Strategies

Actions steps

Intermediate results

Objectives

Indicators

CONSERVATION STANDARDS WORKSHOPS

12
Countries

79
Organizations
Institutions

12
Workshops

217
Participants

CONSERVATION TARGETS

Habitats



Mid-elevation forests in Central America (between 750 and 2000 m) and South America (between 1000 and 2250 m)



Agroforestry systems including coffee, cacao and cardamom (same elevation range as forests)

Species



Canada Warbler
(*Cardellina canadensis*)
Population decline
63%



Cerulean Warbler
(*Setophaga cerulea*)
Population decline
73%



Golden-winged Warbler
(*Vermivora chrysoptera*)
Population decline
61%

38
Endemic and/or
threatened birds

27 Species
in South America

11 Species
in Central America

PRELIMINARY FOCAL GEOGRAPHIES

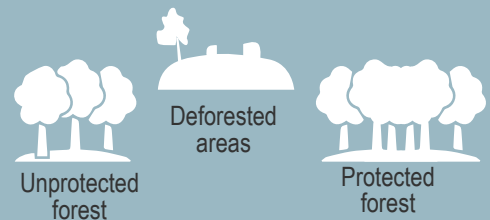
With the goal of identifying and proposing places where conservation actions might be most effective, a priority setting exercise was carried out as part of the planning process in consultation with workshop participants. See Figure 6

1 Distribution mapping.

2 Distributions overlapped and pixels with high probability of occurrence selected.

3 Overlap of resulting pixels with forest cover and protected area layers.

“ The resulting map identifies a series of focal geographies throughout the area of interest of the plan where implementing conservation actions will benefit two or more of the target species ”



SITUATION AND THREATS

Situation

Deforestation rates over the last two decades (2000-2019) in Central and South America

13%

Guatemala & Honduras

7%

Nicaragua

3%

Costa Rica, Colombia & Perú

<2%

Panamá & Ecuador

Threats

Direct causes of habitat loss related to human activities.



Advance of the agricultural frontier



Advance of the cattle ranching frontier



Transformation of shade-grown coffee to sun-grown coffee or other land uses

Underlying causes
Demographic
Economic
Technological
Political
Cultural

“ Working with the agents of deforestation to tackle underlying causes is key to mitigating the threats and direct causes of deforestation ”

GOALS AND OBJECTIVES

General goal

Decrease the loss of forested habitats, increase the availability of habitat in degraded areas, maintain and/or increase the area covered by agroforestry systems within the Plan's area of action in Central America and northern South America, and halt the population decline of the three Target species – 2033

Conservation targets

Mid-elevation forests

Objective. Include 50% of their current extent in conservation areas by 2033

Objective. Increase tree cover in 37,200 ha in South America and in 9,800 ha in Central America - 2033

Plantations of shade-grown coffee, cacao and cardamon

Objective. Maintain and increase the current extent of shade-grown plantations

Target Migratory Birds

Objective. Increase the population of the three Target species by 5% - 2033

IMPLEMENTATION: STRATEGIC AREAS FOR ACTION

Strategic Areas for Action



1

Conservation Areas

2

Indigenous and afro-descendent lands

3

Best Agricultural & Livestock Practices, Incentives & Ecological Restoration

4

Marketing Biodiversity Friendly Coffee

5

Land use Planning & Environmental Regulation

Strategies and Action Steps

Threat Reduction

Expansion of the agricultural and livestock frontiers halted

Expansion of the agricultural and livestock frontiers halted

Grazing in forests and the use of fire to renovate pastures reduced or eliminated

Forest fires caused by the use of fire for agriculture and cattle ranching reduced or eliminated

Conversion of shade-grown coffee to sun-grown coffee or other crops reduced

Expansion of tourist, energy and transport infrastructure better regulated

FINANCING

Implementation of Plan

The implementation of the Plan in the first 10 years has an estimated cost of **\$71,359,475 USD**



\$10,334,500



\$6,498,250



\$48,188,800



\$3,942,675



\$2,395,250