
REFORESTING
SIERRA DE LACANDÓN
with Guatemala
CO2logic™
Credible Climate Action
CO2logic.com

With the support of

CO2logic™
Credible Climate Action

35 000 000
PLANTED TREES

16 000
HECTARES
REFORESTED

50 000
TONS OF CO_2



IN A FEW WORDS

The Sierra de Lacandón national park has varied culture and biodiversity. The park is losing forest cover annually because of bad agricultural practices, fires due to slash and burn techniques and illegal logging. The protection of the forest is poorly controlled, leading to illegal settlements, extraction of natural resources and hunting. The project will implement measures to reduce deforestation, support vulnerable (native) communities, and to help better maintain the natural and cultural/archaeological sites.

IN GUATEMALA

ISSUE N°1

The Sierra de Lacandón is losing forest cover because of unsustainable agricultural practices such as slash and burn techniques, and the clearing of forests for cattle ranching. The growth in agriculture is linked to an expansion of the population in the region.

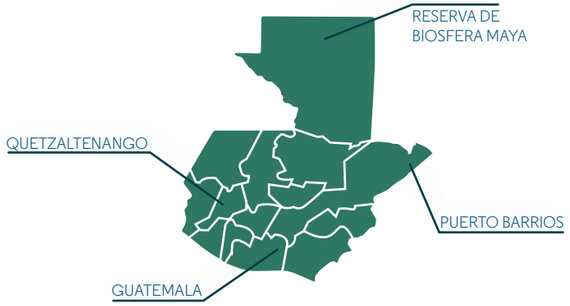
ISSUE N°2

A lack of local governance in the park leads to illegal hunting and logging practices as well as the excavation of natural resources. This negatively affects the livelihoods of the local population.

GUATEMALA
108.888 km²
33.1% Forest
1.6% Water
40,5% Agriculture
24,8% Other



The project will assure legality of land use rights and decrease illegal practices that harm the environment. Project activities will maintain the environmental functions of the diverse ecosystem, and greenhouse gas emissions from deforestation and degradation processes will be prevented.







CULTURAL PRESERVATION AND COMMUNITY

The native people have rights over the land and are involved in the preservation project. Within the borders of the Sierra de Lacandón National Park, there are multiple archaeological sites from the Mayan Civilization. Extra attention will be given to the preservation of the cultural heritage here.

PREVENTING ENVIRONMENTAL DEGRADATION

The rich ecosystem of Sierra de Lacandón is at risk. Its forests reap huge climatic benefits and are also important for natural resources, preventing soil erosion, water regulation and of course, protecting the biodiversity. Forests also have a cultural and economic role for the population.

STRONGER LOCAL GOVERNANCE

The lack of governance in the area gives rise to many illegal activities that not only harm the environment, but also affect local livelihoods. The project will support better governance to protect nature and develop undertakings to improve livelihoods.

CULTURAL PRESERVATION AND COMMUNITY

RESPECT FOR NATURE AND PEOPLE GO HAND IN HAND

Without the collaboration of the local people, it is impossible to execute the project in a lasting way. When locals identify with the project, its objectives are easier to achieve.

Cooperation agreements are signed between the inhabitants and the conservation entities, in which the communities retain the rights to exploit their lands inside the park. In return, they commit themselves to actively contribute to the protection of the forest and to use its resources sustainably. An incentive system consisting of cash payments and physical aid (e.g. seedlings, tools and other inputs) as well as technical advice is being developed. Areas of reforestation are created, sustainable usage of which will mean new sources of income for the people.

The project also has programs in place that actively promote the participation of women.

Within the region of project activities, there are 29 cultural and archaeological sites incorporated in the project scope. These get extra protection and maintenance. The sites from Mayan Civilizations are linked to the indigenous people and have deep cultural significance.

2 ZERO HUNGER

5 GENDER EQUALITY





PREVENTING ENVIRONMENTAL DEGRADATION

SIERRA DE LACANDÓN HAS ONE OF THE MOST VALUABLE ECOSYSTEMS IN THE WORLD.

Deforestation and its driving forces have been identified and understood: unsustainable agriculture, cattle ranching, slash and burn techniques and illegal logging. Under the project, forest conservation and reforestation measures are carried out in collaboration with local families and communities, strengthening the control of primary forests. The activities and forest cover are measured by a monitoring system, based on patrols and satellite images.

A healthy ecosystem provides a wealth of valuable environmental boons; water regulation, erosion prevention, carbon sequestration, nutrient cycling and the provision of food and raw materials.

From the point of view of climate protection, healthy forest ecosystems guarantee that captured CO_2 remains stored and is extracted from the atmosphere in the long term. The project region is already prone to extreme weather and hurricanes, in time to come, this will only become more frequent.

13 CLIMATE ACTION

BIODIVERSITY

BIODIVERSITY SUPPORTS A HEALTHY ECOSYSTEM

The project, together with local partners and communities will analyse, design and implement measures that will reduce deforestation. Special attention will be given to the protection and monitoring of the biodiversity in the park. Sierra de Lacandón is one of the most diverse regions in the world, home to endangered species such as the jaguar, red macaw, tapir, many species of amphibians and more. Survival of these is crucial to maintain a healthy ecosystem.

15 LIFE ON LAND







STRONGER LOCAL GOVERNANCE AND COMMUNITY

PROTECTING LIVELIHOODS AND ECOSYSTEMS

Guatemala has higher levels of inequality than other countries in Latin America. Especially rural and indigenous people experience higher rates of poverty.

Some main objectives of the project include higher equity and less criminality. Therefore, there are extra patrols to limit the illegal practices in the park and support the sustainable farmers and loggers, along with better control of land and tenure rights.

The State of Guatemala has made great efforts to counteract deforestation and reduce the impacts of climate change through the generation of laws, policies and regulations, which are being articulated in the National REDD+ (Reduce Emissions from Deforestation and forest Degradation) Strategy.

1 NO POVERTY

8 DECENT WORK AND ECONOMIC GROWTH

11 SUSTAINABLE CITIES AND COMMUNITIES

IMPACTS OF THE PROJECTS

Verified Carbon Standard
A VERRA STANDARD

The VCS (Verified Standard Carbon) Program is the world's most widely used voluntary GHG program. This non-profit organisation came into place through a collaboration of global market experts such as the Climate Group, the IETA and the World Economic Forum.

CCBA

In addition to VCS, the CCBA (Climate, Community & Biodiversity Alliance) certification was used, which attests to the benefits that the project generates for the region.

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD



THE PARTNERS
WE WORK TOGETHER:

Project manager

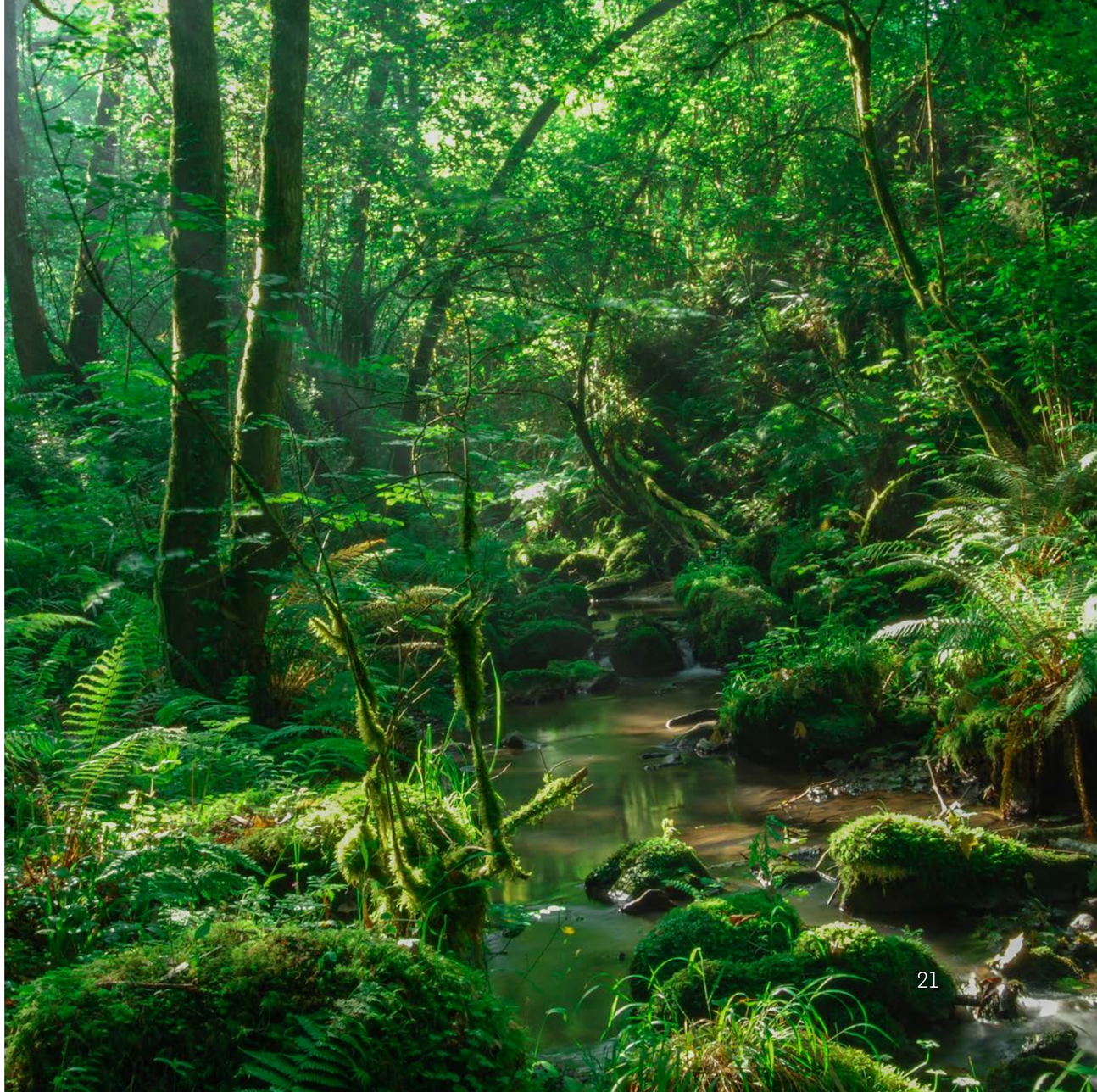
Defensores de la naturalenze is an organisation committed to the conservation of natural and cultural wealth, in harmony with sustainable human development in Guatemala.

Local agricultural organisations

In addition, the project is made up of three agricultural cooperatives. Since most people rely on agriculture as their main source of income, the local organisations form an important partner in the project.

Project partner

CO2logic is an international & independent consultancy office specialized in calculating, reducing and offsetting CO2 emissions. CO2logic develops climate projects in developing countries in partnership with local NGO's in order to offset the incompressible carbon footprint of its clients and partners.



13 CLIMATE ACTION

8 DECENT WORK AND ECONOMIC GROWTH

11 SUSTAINABLE CITIES AND COMMUNITIES

CLIMATE

- CO2 sequestration
- Sustainable farming

GOVERNANCE

- More surveillance
- Less illegal activity
- Better land and tenure rights

CLIMATE

GOVERNANCE



LIVELIHOODS

ECOSYSTEM

LIVELIHOODS

- More equity
- Woman emancipation
- Sustainable economic activities
- Respect for culture

ECOSYSTEM

- Enhancing ecosystems
- Protecting biodiversity
- Less deforestation

1 NO POVERTY

2 ZERO HUNGER

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15 LIFE ON LAND



CLIMATE ACTION

“HOW CAN WE REDUCE OUR CLIMATE IMPACT AND THAT OF OTHERS?”

This is the first question the team of CO2logic asked themselves back in 2004.

There are limits to the CO_2 emissions that can be reduced, and each remaining tonne of CO_2 has a high cost for society & the generations to come.

At CO2logic, we firmly believe that future generations are not responsible for these “climate disruption costs”. That’s why CO2logic encourages companies and organisations to reduce and offset their impact on climate & the environment: by supporting & developing climate projects that generate carbon credits. This is how we give back in order to restore the balance.

A WORD FROM ANTOINE GEERINCKX, FOUNDER OF CO2LOGIC

“There is only one atmosphere and there are no borders for CO_2 emissions. Our climate projects help in avoiding deforestation through education, collaboration, energy efficiency, fuel switch, renewable energy, reforestation, access to clean water. We act to improve the livelihood of local people while addressing the global climate breakdown. We are all interconnected.”


CO2logic
Credible Climate Action
CO2logic.com
VINCOTTE VALIDATED
CO2 NEUTRAL BROCHURE
CO2logic CERTIFIED