



# REFORESTING ZAMBIA



Credible Climate Action

[CO2logic.com](https://CO2logic.com)

## ZAMBIA AGROFORESTRY

With the support of



**7 906** HECTARES CONVERTED  
TO SUSTAINABLE LANDSCAPE MANAGEMENT

**25 000 000**  **48 142**

TREES SAVED **HECTARES**  
OF SAVED FOREST

 **120 000** **8616** FARMERS  
TONNES OF CO<sub>2</sub> REDUCED SUPPORTED

# IN A FEW WORDS

Poor agricultural practices, poverty and a loss of precious forests and ecosystems are threatening Zambia. To make ends meet, farmers often have to rely on illegal (poaching) practices.

This project supports farmers with agricultural methods that safeguard the forest and enhance their livelihood. Previous poachers are also trained in skills to protect the forest and wildlife.

This Zambia AgroForestry Project promotes sustainable agriculture and forest conservation at a landscape level, through sustainable land management and REDD+ method (Reduce Emissions from Deforestation and forest Degradation).



# IN ZAMBIA

Poverty and lack of resources are threatening forests and wildlife.

## ■ ISSUE N°1

Extreme poverty in Zambia led many people to illegal poaching practices. This harms wildlife and leads to the imprisonment of poachers (leaving their families even more vulnerable).

## ■ ISSUE N°2

Lack of resources led to poor agricultural practices that deplete the soil. To find fertile soil, farmers have to clear out more parts of the forest.

### ZAMBIA

752,618 km<sup>2</sup>

65.5% Forest

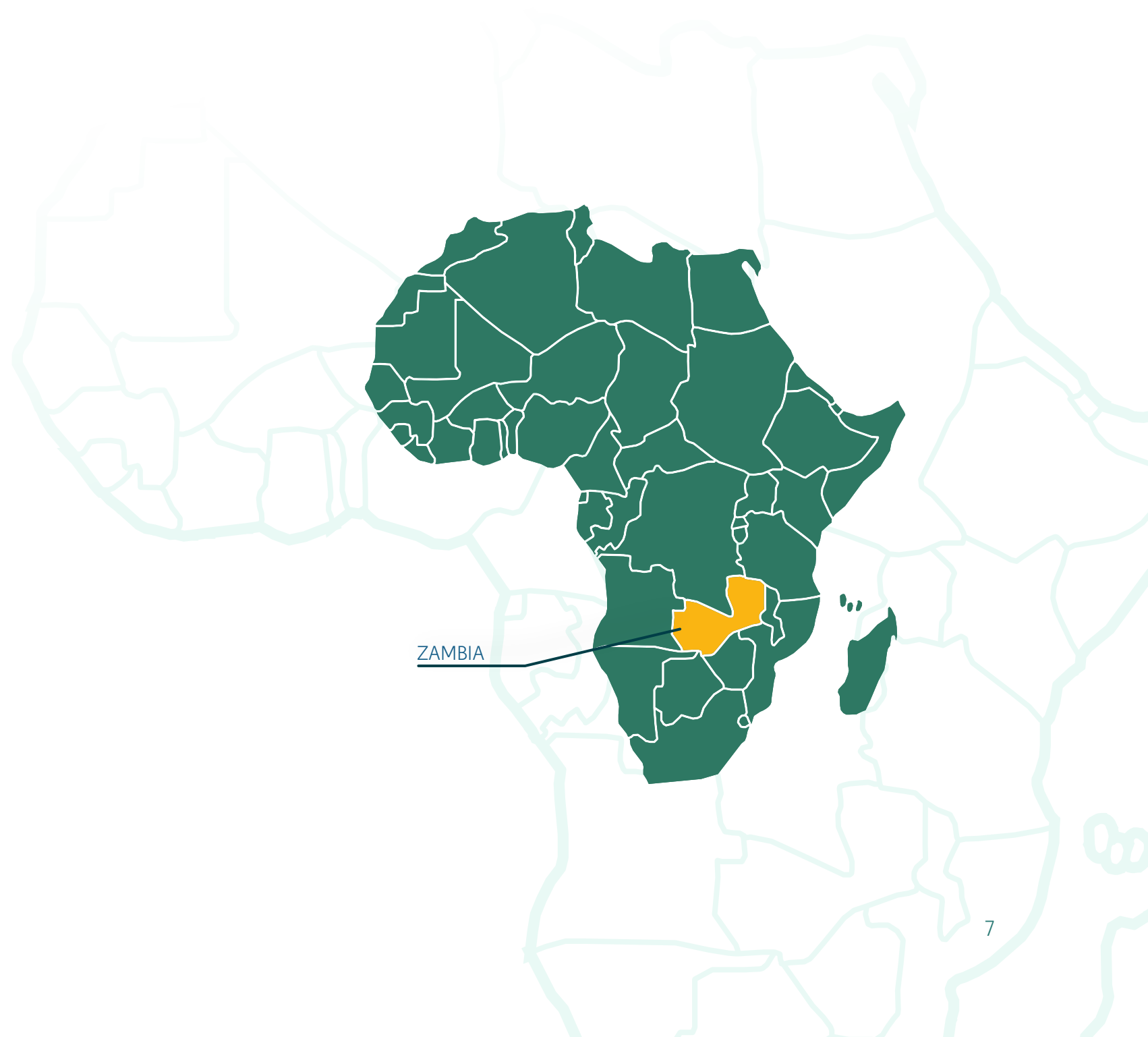
1.2% Water

31.3% Agriculture

2% Other



This project tackles the problem at its root. Instead of criminalizing the poacher, this project focuses on a long term solution; teaching vulnerable people to farm sustainably and protect nature.



# THE ZAMBIA AGROFORESTRY APPROACH



1

Illegal poachers are trained in alternative livelihood skills in exchange for their firearms and a commitment to conserve the forest



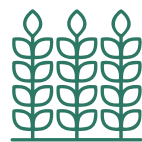
2

Small-scale farmers are trained in the principles of climate-smart, sustainable agriculture



3

Organic fertilizer, minimum tillage and nitrogen enhancing trees help keep the soil healthy



4

Crop yields increase 2-3 fold, bringing food security and increased income



7

Crops are processed into high value food products and sold across Zambia under the brand «It's Wild!»



The result is increasing wildlife population and improve food secure small-scale farmers



5

Community cooperatives provide trainings, leadership opportunities and knowledge sharing for farmers



6

Crops are bought from cooperatives at premium market prices



## SUSTAINABLE METHODS FOR VULNERABLE COMMUNITIES

Zambia Agroforestry helps illegal poachers turn to legal jobs, such as farming, carpentry, or brick-laying. This supports their families and doesn't threaten the environment. Once they sign up to be part of the project, poachers are immediately welcomed into a local cooperative and provided access to further support services. This way of farming is sustainable and doesn't deplete the soil, meaning no more forest has to be cleared. On top of that, crop yields increase and family income stabilises.

1 NO POVERTY



8 DECENT WORK AND ECONOMIC GROWTH





## A MARKET MECHANISM FOR CONSERVATION

All farmers take a Conservation Pledge, agreeing to protect the soils, forests and wildlife. In return, crops are bought at premium market prices. High performing regions are rewarded with a Conservation Dividend; a cash payment to support community development projects. The conservation guidelines are decided by the community and upheld by the local chief.

Due to higher yields and cash payment, our farmers remain highly motivated to protect the ecosystem and to become advocates of conservation. It is important that the local population is on board with conversation principles. The crops are sold under the brand: 'It's Wild!'. All proceeds are returned to farmers for support services.

2 ZERO HUNGER



11 SUSTAINABLE CITIES AND COMMUNITIES



## CONSERVING WILDLIFE AND ECOSYSTEMS

Zambia and especially the Luangwa valley project area, is home to one of Africa's largest elephant populations. The growing human settlements and the illegal poaching practices however are putting these and other crucial wildlife species at risk.

Protecting (endangered) fauna is an important pillar of the Zambia Agroforestry project. The protected areas serve as a refuge for many species and poaching practices have become much less frequent. This is greatly enhancing the biodiversity in the region, the elephant population has bounced back from almost being extinct in the 1980's. Even animals that were first thought to have disappeared from the park, such as the hippopotamus in Chikomeni, are now returning after years of absence.

15 LIFE ON LAND





# IMPACTS OF THE PROJECTS



The VSC program is the most widely used voluntary GHG program. This independent non profit organisation checks the impact of the project in terms of CO<sub>2</sub> emission reduction. To do so, a lot of data is collected on the spot, such as the amount of hectares protected under this new land management, CO<sub>2</sub> sequestered by the saved trees, etc. In terms of sustainable development goals, the Project encounters at least «no poverty», «zero hunger», «decent work and economic growth», «sustainable communities», «climate action» and «life on land».

## REDD+



The *Reducing Emissions from Deforestation and forest Degradation* program is an initiative of the UN.

Its first objective is to fight global warming by reducing net greenhouse gas emissions but it also aims for other positive effects such as:

- Combat deforestation, particularly through a monitoring, reporting and verification program of the forest cover ;
- Preserve and restore biodiversity



## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

<p><b>1 NO POVERTY</b></p>	<p><b>2 ZERO HUNGER</b></p>	<p><b>3 GOOD HEALTH AND WELL-BEING</b></p>	<p><b>4 QUALITY EDUCATION</b></p>	<p><b>5 GENDER EQUALITY</b></p>	<p><b>6 CLEAN WATER AND SANITATION</b></p>
<p><b>7 AFFORDABLE AND CLEAN ENERGY</b></p>	<p><b>8 DECENT WORK AND ECONOMIC GROWTH</b></p>	<p><b>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</b></p>	<p><b>10 REDUCED INEQUALITIES</b></p>	<p><b>11 SUSTAINABLE CITIES AND COMMUNITIES</b></p>	<p><b>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</b></p>
<p><b>13 CLIMATE ACTION</b></p>	<p><b>14 LIFE BELOW WATER</b></p>	<p><b>15 LIFE ON LAND</b></p>	<p><b>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</b></p>	<p><b>17 PARTNERSHIPS FOR THE GOALS</b></p>	

# THE PARTNERS

WE WORK TOGETHER:



The World Bank Group brings together knowledge and expertise across all major sectors of development. Their goal is to help developing countries find solutions for the toughest global and local development challenges, from adapting to climate change to boosting food security and fighting corruption.

## LOCAL COOPERATIVES

Local cooperatives across Zambia provide vital farmer support services to thousands of members. Cooperatives run community high-quality seed banks for their farmers, organise farmer trainings, crop-purchasing events and payments. Each cooperative runs a community depot, which serves as a central hub for farmers and allows individuals to store their seeds, crops and equipment safely.



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



CLIMATE



Reduction of carbon emission



CLIMATE

PRESERVATION

PRESERVATION



Less deforestation



Preservation of wildlife



Preservation of ecosystem



Limitation of soil depletion

Ethical and social business



Economic opportunities for farmers



Short and long term benefit



Women empowerment



ECONOMY

FAIRTRADE

ECONOMY



Equal benefits for all



Honest prices for products

FAIRTRADE



1 NO POVERTY



2 ZERO HUNGER



5 GENDER EQUALITY



15 LIFE ON LAND



8 DECENT WORK AND ECONOMIC GROWTH



11 SUSTAINABLE CITIES AND COMMUNITIES





## 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<sub>2</sub> emissions that can be reduced, and each remaining tonne of CO<sub>2</sub> 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<sub>2</sub> 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.”



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