TIME TO SCALE UP!

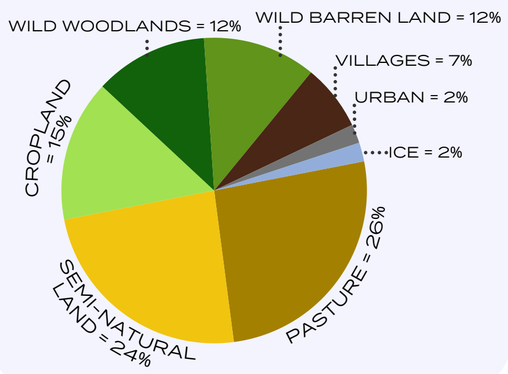
THE CRITICAL NEED FOR LARGE-SCALE FOREST RESTORATION

Investing in large-scale forest restoration is vital for environmental stability and global well-being. It balances carbon levels, mitigates climate change, preserves biodiversity, regulates water cycles, prevents soil erosion, sustains ecosystems, and supports sustainable livelihoods.

FOREST LANDS

World land cover

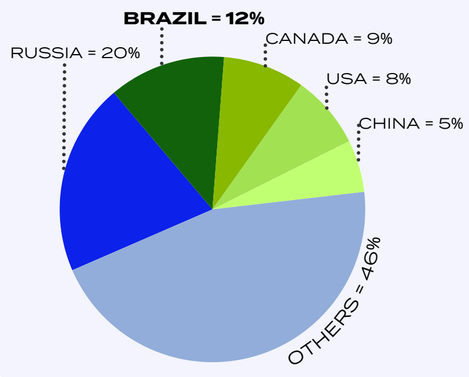
Earth's surface area is equal to 51 billion hectares. Water covers 71% of the world's surface while land covers 29%.



SOURCE: OUR WORLD IN DATA, 2024

Forest cover by country

Brazil ranks as the second country with the largest forest coverage globally



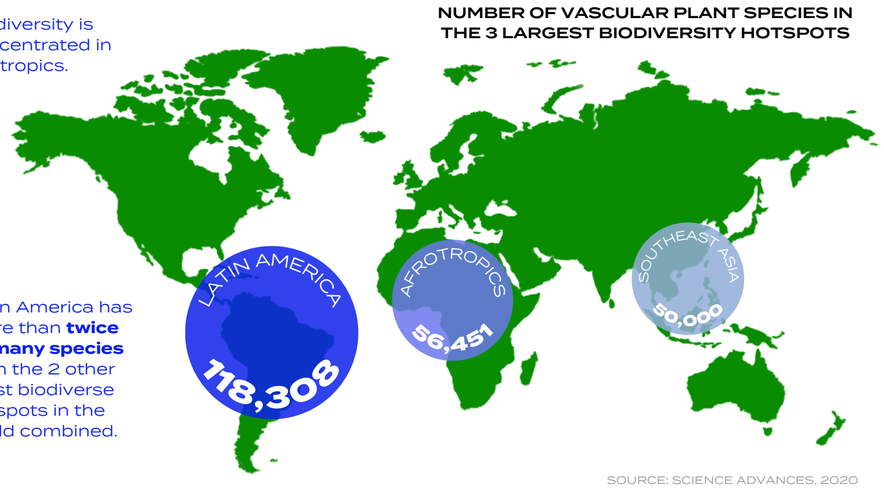
SOURCE: WORLD BANK, 2023

BIODIVERSITY

Distribution of biodiversity richness

Biodiversity is concentrated in the tropics.

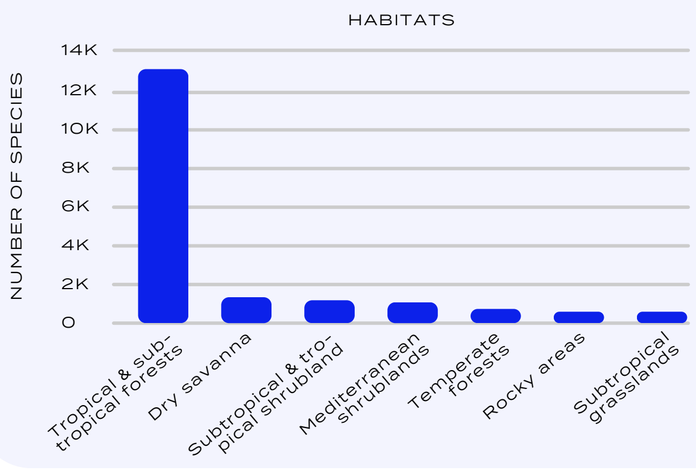
NUMBER OF VASCULAR PLANT SPECIES IN THE 3 LARGEST BIODIVERSITY HOTSPOTS



Latin America has more than **twice as many species** than the 2 other most biodiverse hotspots in the world combined.

SOURCE: SCIENCE ADVANCES, 2020

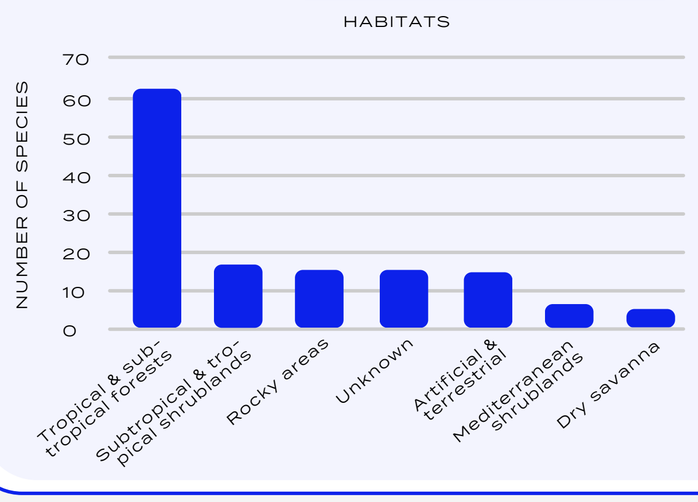
Endangered plant species



There are more than **105,700 species** on The IUCN Red List, with more than **28,000 species** threatened with extinction, which is equivalent to **28%** of all assessed species in the world, possibly accounting over **75%** of undescribed plants.

SOURCE: IUCN RED LIST, 2024

Extinct plant species



There have been **571** known extinct plant species since 1750. This graph represents the species included in the IUCN Red List.

"Researchers state that the plant extinction rate is at least **500 times higher** than would be expected to occur naturally (i.e. without human influence)."

SOURCE: IUCN RED LIST, 2024

CARBON

The global forest sink equals nearly

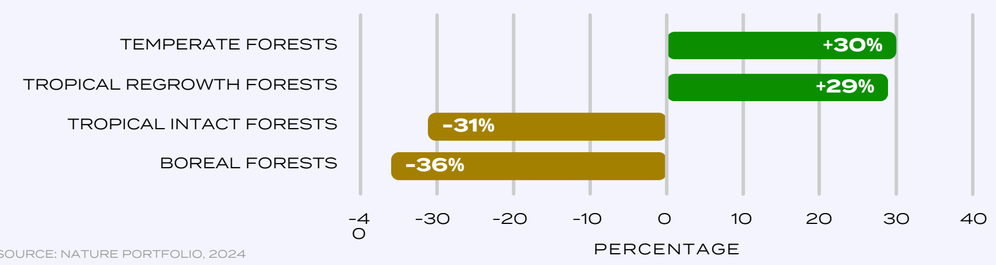
50%

OF FOSSIL FUEL EMISSIONS

between 1990 and 2019

Forest types and changes

FOREST CARBON SINK CAPACITY EVOLUTION FROM 1990 TO 2019



SOURCE: NATURE PORTFOLIO, 2024

Carbon sequestration potential of forests

Forests sequester **7.6** gigatons of CO_2 annually

SOURCE: WRI, 2021

Forests sequester **2X** more carbon than they emit in the last two decades

SOURCE: WRI, 2021

Forests could sequester **226** gigatons of CO_2 from the atmosphere if we restore forests naturally and reduce greenhouse gas emissions

SOURCE: ETH ZÜRICH, 2023

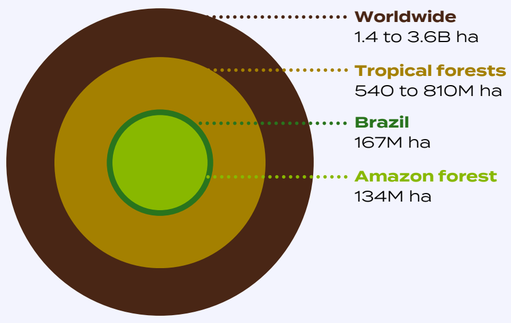
DEGRADED LANDS

1 BILLION HECTARES

of lands are ready to be restored (UN Decade on Ecosystem Restoration Goal 2030)

Size of degraded lands

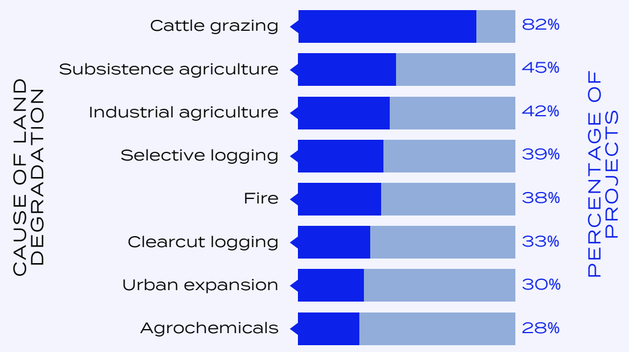
47% of the world's surface once covered forests and wild grasslands are now degraded



1/6 of degraded lands in the world are in Brazil

SOURCE: OUR WORLD IN DATA, 2024

Main causes of land degradation in Latin America



SOURCE: ETH ZÜRICH, 2024

-10 SOCCER FIELDS / MIN

of tropical primary forests are lost, 3.7 million hectares were deforested in 2023

SOURCE: WRI, 2024

FINANCE

Investments in Nature Based Solutions (NBS)

...needed to fight climate change

Investments were of **$133 billion** in 2020 — 2020

Annual investments in NBS must triple to reach **$399 billion** — 2030

A total investment in NBS of **$8.1 trillion** is required between 2020 and 2050, while annual investment should reach **$536 billion** — 2050

Concerning **forest-based solutions** alone, investments should reach **$203 billion** in total annual expenditure globally by 2050.

SOURCE: UNEP, 2021

CASE STUDY: BRAZIL

Brazil needs to **invest $R 228 billion** to achieve its goal of **restoring 12 million hectares** of forests.

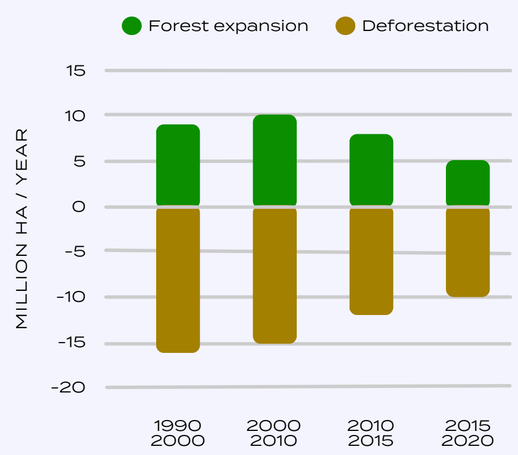
The **potential return on investment** is substantial: **$R 776 billion** in net revenue, the creation of 2.5 million new jobs, the production of 156 tons of food, and the removal of 4.3 billion tons of CO2 from the atmosphere.

SOURCE: INSTITUTO ESCOLHAS, 2023

Deforestation VS forest expansion

We degrade **twice as fast** as we restore

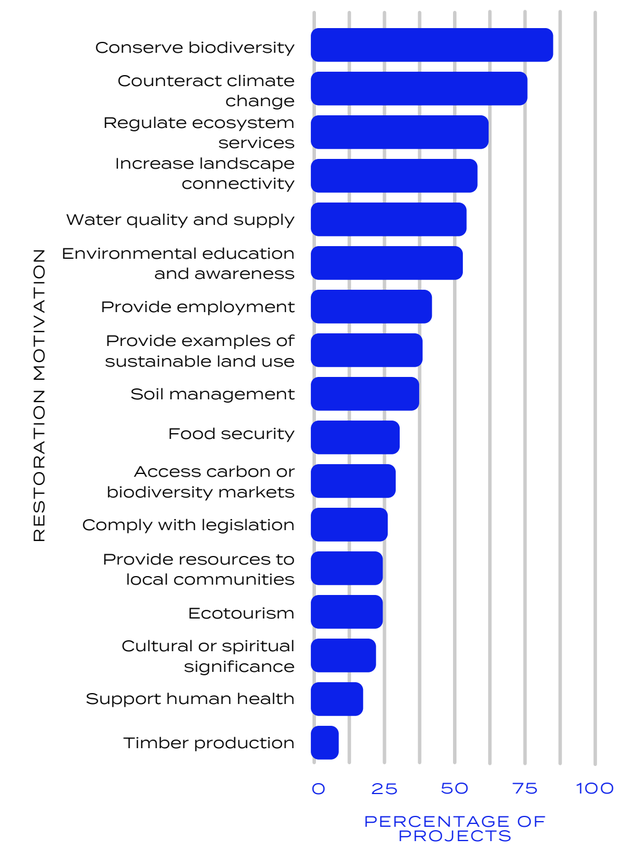
GLOBAL FOREST EXPANSION AND DEFORESTATION 1990-2020



SOURCE: FAO, 2020

MOTIVATION

Motivation to restore lands in Latin America



SOURCE: ETH ZÜRICH, 2024

MORFO is a Franco-Brazilian reforestation expert that has pioneered a unique methodology for large-scale forest restoration. Unlike monoculture or low-biodiversity projects, we restore resilient and native ecosystems. We provide the scientific expertise and operational capacity to restore extensive forests while ensuring biodiversity, ecosystem resilience, and carbon sequestration.

MORFO