

FOREST PLANTATIONS AND AGROFORESTRY

Tools for sustainable development
and climate change mitigation

TEREA



Deforestation, which is responsible for a significant portion of global greenhouse gas emissions, has significant impacts on climate, biodiversity, soils, water resources, and other ecosystem services, with repercussions on the well-being of populations.

Planting, assisted regeneration, or combining trees with agricultural or livestock production offer numerous climate, environmental, and economic benefits, as well as considerable social advantages.

From planting forest species or fruit trees to managing natural regeneration, there are various options available.

THE TREE IN NATURAL FORESTS, PLANTATIONS, OR AGRICULTURAL SETTINGS

- **Acts as a climate regulator**, reducing CO₂ in the atmosphere, providing oxygen, and regulating air temperature.
- **Filters air pollution** and limits noise and visual pollution.
- **Protects against soil erosion**.
- Improves **water quality**, cools it down, and protects certain fish species from predators.
- Serves as a **biodiversity** reservoir, hosting diverse fauna, plants, fungi, and providing a habitat for life and reproduction.
- Offers **multiple services** (food, employment, pharmacopeia, firewood, timber, etc.).
- Beautifies the landscape, reduces stress, and enhances physical and mental **well-being**.
- When used as hedges, it **protects crops and animals** from climatic hazards, reduces landscape fragmentation, and serves as ecological reservoirs and corridors.
- When standing alone in plots, it provides **nutrients** and **shade** and serves as **forage** for animals.
- In riparian forests, it protects riverbanks and **reduces flood risks**.
- In groves, it **enhances low-yielding agricultural areas**.
- Whether fruit trees or forest species, it allows for **diversifying production**, generating new income, and providing ecological services.

P R E S E R V E

O P T I M I Z E

P R O M O T E

Forest plantations to meet different needs

We develop documents and studies related to your environmental projects:

- Producing and commercializing timber, firewood, or non-timber forest products.
- Rehabilitating transformed and/or degraded areas such as industrial sites or agricultural plots.
- Combating erosion.
- Restoring landscapes and ensuring connectivity between ecosystems.
- Offsetting greenhouse gas emissions.
- Generating certified carbon credits for trading on international markets.



Agroforestry and food security

Agriculture and livestock are the primary drivers of deforestation in tropical and subtropical regions. By promoting product diversification, improving yields, and ensuring sustainable production over time, agroforestry allows the most vulnerable communities to secure their food autonomy.

The selection of suitable tree species, coupled with spatial planning linked to different agricultural production systems, enhances resilience to extreme climate events such as droughts, hurricanes, or heavy rainfall, while preserving biodiversity.

Conservation Agriculture for Soil Fertility

The prior establishment of cover crops enables soil enrichment and protection, carbon sequestration, yield improvement, and a reduction in the use of chemical fertilizers. It optimizes the growth potential of native species within ecological restoration programs, carbon credit-generating plantations, forage plants, etc.



Carbon markets to finance your project

Agroforestry, forest restoration, and afforestation are widely promoted tools in the fight against climate change under the REDD+ mechanism. By reducing deforestation and reintroducing trees, you contribute to global emissions reduction and additional CO₂ sequestration. As a result, you can generate carbon credits certified by international standards such as VERRA, Gold Standard, or others.

The significant environmental and social impact of forest plantations provides added value often sought after by investors.

We support you in your projects by:

- Conducting an evaluative diagnostic of your operational model.
- Assisting you in defining your objectives and providing technical expertise to achieve them.
- Identifying suitable technical approaches.
- Establishing specifications for different project stages and offering targeted training.
- Developing sustainable forest or agroforestry management plans and ensuring their implementation.
- Certifying your projects according to international standards.
- Assisting you in seeking financing from public or private funders.



Our team of experts in forest plantations, ecosystem restoration, biodiversity, environment, sociology, climate, and our network of partners are ready to assist you in developing projects tailored to your needs.



Contact
us