

Project Title
CO2OL Tropical Mix
Gold Standard ID
2557
Type of Certification
<input type="checkbox"/> Initial Certification <input checked="" type="checkbox"/> Performance Certification <input checked="" type="checkbox"/> New Area Certification <input type="checkbox"/> Annual Reporting

For each item listed below, please provide a general description in the corresponding box. In total, this document shall not exceed 5 pages. Be aware that carbon market specific terms may not be appropriate for the readers of this summary. The formatting requirements provided in chapter 7.4 must be followed.

1. Key Project Information

(a) Project activities

- Reforestation with native and exotic tree species (teak) for commercial purposes
- Reforestation with native species for conservation purposes
- Agroforestry with cocoa mixed with shadow native tree species.

TMIX14-SFM1, TMIX14-SFM2

(b) Organisations that are involved in the project (project participants)

Forest Finance S.A
Forest Finest Consulting
Sustainable Timber S.A.
Eco Cebaco S.A.
See the following links:
<http://www.forestfinestconsulting.com/>
<http://www.forestfinance.de/en/>

(c) Communities involved in the project

No communitarian areas are involved in the project. All the project area is legally registered under the National authorities and poses a legal land tenure title.
Shapefile TMIX14-MAP4.1 and TMIX14.4.2.

(d) Location of the project area and the planting area

The project is located in the country of Panama and distributed in five different provinces: Panama, Darien, Veraguas, Chiriqui and Bocas del Toro.
TMIX16-SHP1

(e) Size of the project area and the planting area

Project area: 13,385 hectares
Planting applicable area: 7064 ha
TMIX16-FIX1, sheet MU Modelling

(f) Risk of change to the project area (during the crediting period)

Low risk due to a previously analysis before acquiring and including the area to the project. An efficient sustainable management combined with the actively participation of important national and international stakeholders; mainly part of the Forest Finance Group are a key element to demonstrate transparency and permanence of the project activities during a 30 years crediting period.

<http://www.forestfinance.de/en/faq/#c6245>

(g) Risk of change to the project activities (during the crediting period)

Low risk due to a previously analysis before acquiring and including the area to the project. An efficient sustainable management combined with the actively participation of important national and international stakeholders; mainly part of the Forest Finance Group are a key element to demonstrate transparency and permanence of the project activities during the crediting period.

<http://www.forestfinance.de/en/>

(h) Timeframe for the project activities

The crediting period is from 1995 until 2025.

(i) Number of (predicted) CO2-certificates

Total credits 1,330,758

Verified credits 2016: 525,389

(j) Land-use history and current situation of the project area

Current situation: Before the project activity started, the baseline of the project area was a mix of grassland and pioneer shrubs. All this areas were evaluated and classified as applicable planting areas for reforestation and agroforestry activities. Other small patches of forest left were classified and nowadays managed as conservation areas. Other areas (previously planted or due to the project activity) located in the boarder of a river or other watershed are also classified as conservation areas. The project main goal is to “build forest” and some farms are already one. This will stay during the crediting period

Land use history:

<http://countrystudies.us/panama/46.htm>

(k) Socio-economic history and current situation

Current situation: It is quiet common that the areas that were bought for the project were not manage efficiently by the previous owner due to investment and know how barriers. A part of the previous owners decide to sell the land and migrate to the cities, start a new business in the region, or invest in education, among others . Our experience during more than 15 years had reveal how reforestation and agroforestry activities, that are established in different rural areas can be an effective support to alleviate regional poverty, promote regional know how, increment capacity building and be a key element for a socio economic development , by providing directly and indirectly jobs. TMIX14-APP1

Socio-economic history:

<http://countrystudies.us/panama/41.htm>

(k) Socio-economic history and current situation

<http://countrystudies.us/panama/44.htm>

(l) Forest management applied (past and future)

The objective of the project is producing high quality hardwoods at the same time as sequestering a high amount of carbon, while stabilizing and restoring fragile and degraded areas in an economically, socially, and ecologically viable way.

In contrast to common reforestation schemes, the project concept is a concept that makes use also of native tree species in a mix with round of non-native species, mostly Teak (*Tectona grandis*), to create sustainable and species-rich forests with the use of high quality hardwoods and the creation of an additional income from carbon credits. These carbon offset credits can be traded on international carbon markets will be certified according high quality carbon standards

Overall, the project specific objectives are the establishment of profitable production- and conservation systems, enabling the enterprise to work in a beneficial way through the creation of investment opportunities, which are economically, ecologically and socially sound.

Creating year round work opportunities in our areas of activity that allow the development of a stable work environment for men and women, will support the development of these regions

Forest: TMIX14-SFM1

Agroforestry: TMIX14-SFM2

(m) Forest characteristics (including main tree species planted)

According to the management plan the project is stratified in three main activities:

Reforestation with native and exotic tree species (teak) for commercial purposes: the following species are planted: *Anacardium excelsium*, *Astronium graveolens*, *Bombacopsis quinata*, *Cedrela odorata*, *Dalbergia retusa*, *Dipterix panamensis*, *Hyeronima alchorneoides*, *Swetenia macrophylla*, *Tabebuia guayacan*, *Khaya senegalensis*, *tabebuia rosea*, *Terminalia Amazonia* and *Tectona grandis*.

Reforestation with native species for conservation purposes: some specific areas and MU are only planted with native species (see species mentioned above) to accomplish this activity

Agroforestry with cacao mixed with shadow native tree species: *Theobroma cacao* and *Inga sp* are the main species that can be find in the respective MUs.

(n) Main social impacts (risks and benefits)

The main social benefits of the project are:

Poverty alleviation: many persons in rural areas are obligated to migrate to the cities due to the lack of regional job opportunities.

Equal rights: the company has a multicultural team and a mix of people with equal rights without gender discrimination.

Capacity building: the employees and also neighbours are continuously learning about the importance of and significance of sustainable activities and the importance of climate change mitigation.

Some low risks of the project are:

Poverty alleviation: the increase of income in rural areas might lead to the use of unsustainable resources, therefore the company is investing also in capacity building including topics to encourage a sustainable live style.

Equal rights: a multicultural team requires also the need of having a comprehensive and tolerant perception. The company encourage the team work of the employees investing in yearly external activities; like the participation of a football tournament.

<http://www.forestfinance.de/en/about-us/social-aspects/>

(o) Main environmental impacts (risks and benefits)

The main environmental benefits of the project are:

Building new forests: reforestation with mix tree native species is a key element to obtain an important synergy between the different natural resources existing in the area, and increase the protection of those basic elements: retaining water in the trees and soil to prevent flooding, prevent soil erosion protecting the nutrients and soil microelements, provide shelter to migratory and native animals and insects.

Forest Conservation: through this activity the project ensure forest connectivity creating small corridors that impact positively the interconnectivity of different regional natural ecosystems.

Climate change: it is a climate project focus in mitigation strategies with the aim of fighting global warming.

Some low risks of the project are:

Climate impact: due to climate change strong winds, fires and/ or floorings can occur. Even though the project is aware of these situations and prepare to react, different animals and insects species that form part of this ecosystem can be affected.

Project implementation: during the planting year, soil has to be prepare manually and with small machinery. In this sense the previous soil habitat can be affected. However after this activity the soil is protected during the rotation period and the creation and conservation of organic soil compensates such impact.

Thinning: there is a risk of affecting existing understory vegetation. However the main impact is in small bushes that recover really fast.

<http://www.forestfinance.de/en/our-forests/ecological-aspects/>

(p) Financial structure

The project has more than 13, 000 private investors with a legal contract allowing them to clearly identify the part and percentage of their share inside the project. This includes a transparent process to provide land tenure tittles, specify the owners of the resources inside the project (wood, CO2 and other resources). Further the Forest Finance Group cooperates directly with different organization for the certification management and sale of carbon credits: ForestFinest Consulting. The management expertise of this cooperation is a must to administrate the funds effectively, chose wisely the technical team for operational management and guaranty the permanence of the project and therefore guaranty the predicted revenue from the project activity to all the persons that are part of a successful international cooperation

<http://www.forestfinance.de/en/returns/calculation-of-returns/>

2. Shapefiles

Please provide *shapefiles* in the *supporting documents* and provide a reference to these *supporting documents* in this template.

(a) Project area

TMIX16-SHP1

(b) Planting areas

TMIX16-SHP1

(c) Eligible planting area

TMIX16-SHP1

(d) Modelling Units

(d) Modelling Units

TMIX16-SHP1

(e) Infrastructure (roads, houses, etc.)

TMIX16-SHP1

(f) Water bodies

TMIX16-SHP1

(g) Sites with special significance for indigenous people and local communities - resulting from the Local Stakeholder Consultation (LSC)

Not detected

(h) Where indigenous people and local communities are situated

TMIX16-SHP1

(i) Where indigenous people and local communities have legal rights, customary rights or sites with special cultural, ecological, economic, religious or spiritual significance

Not detected

3. Boundaries

Please provide evidence that boundaries of the project area and the planting are clearly distinguishable in the field.

TMIX16-SHP1