



ATECA, ZARAGOSSA (SPAIN)
Planting project according to selected
areas based on agricultural land

GENERAL INFORMATIONS

Type of project

Creation of woofland to shelter livestock

Context

This planting project is carried out on several large plots of grassland used for livestock grazing. **In these spaces, the owner wants to create areas to shelter livestock, as well as boost biodiversity.** The project is located near a small farm, along the Monégrillo river. The owner is trying to preserve his plot, after soil degradation occurred (i.e stamping by the cattle). He also wants to fight against climate change, and keep the soil from erosion.

Earnings

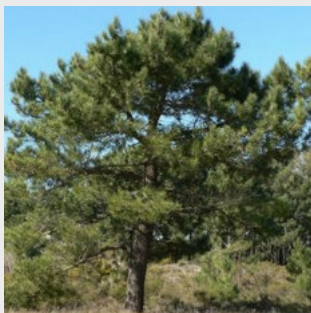
This tree planting project will limit soil degradation, maintain the ecosystem of the area and its biodiversity, extend forest cover with a variety of species, and fight against global warming.

Estimated end date of project

End of January 2018

Planted species

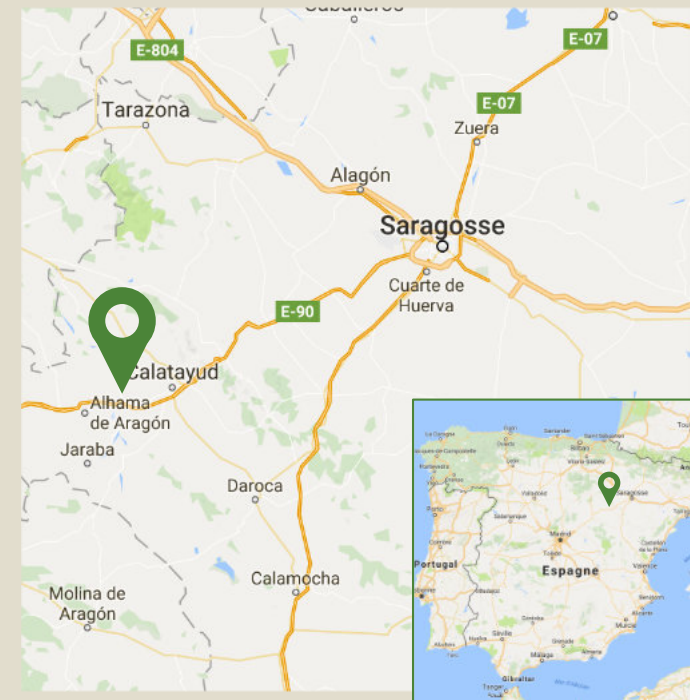
Pinus Pinaster (35%)



Quercus Ilex (35%)



Juniperus phoenicea (30%)



Country : SPAIN

Province : Saragossa

City : Ateca

Number of trees to be planted : 4 000

Partner in the Field : SIELBA Engineering of the Rural Environment

Ownership of the parcel : Particular

Expected benefits :

- 167 Days of work
- 2 485 484 miles by car compensated
- 12 000 Animal shelters created
- 20 000 kg of stored CO2
- 14 000 months of oxygen generated

La Vilueña

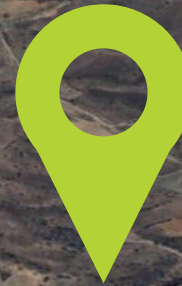
Valtorres

Carenas

Castejón de las Armas

Ateca

GPS coordinates DMS format :
N 41°22'27.144"
O 01°50'59.980"



GEOGRAPHICAL FRAMEWORK

A very rural area

ATECA and its surroundings are very rural, with very hilly areas and many small farms.

The municipality is over 8,000 hectares with an average altitude of 603 meters.

The project

There will be several planting areas where the owner plans to restock the most degraded areas. He also wants to guarantee an easy future for the growing trees. The selected species are adapted to the environment and to the conditions of the soil and climate of the region.

This area is unusual, with arid slopes crossed by the river Monegrillo with a very particular microclimate.



STAKES AND OBJECTIVES



SHELTERBELT
(protection of
agricultural plots and
animals)



DEVELOPMENT OF
BIODIVERSITY



HUMIDIFICATION OF AIR
AND STORAGE OF CO2
(fight against global
warming)



CREATION OF HUMUS
DURING LEAF
DECOMPOSITION (soil
enrichment)



WATER FILTRATION AND
RETENTION (limitation of
soil deterioration)

BENEFITS OF THE PROJECT IN RELATION TO



* Sustainable Development Goal Set adopted by the UN countries to eradicate poverty, protect the planet and ensure prosperity for all.

**GOAL 3
GOOD HEALTH AND WELL-BEING**

- Generation of 14 000 months oxygen
- Refreshing and decontaminating air near the plantation

**GOAL 6
CLEAN WATER AND SANITATION**

- Rainwater retention
- Water purification (nitrate filtration)

**GOAL 7
CLEAN ENERGY**

- Exploitation of mature oak wood as firewood, clean, natural, local and renewable energy

**GOAL 8
WORK**

- Creation of 167 days of work in the Province
- Stimulation of the country's economy (the wood industry represents more than 200 000 jobs in Spain)



**GOAL 9
INDUSTRY, INNOVATION, INFRASTRUCTURE**

- Exploiting pine and oak timber as a sustainable and environmentally friendly building material as well as many other uses ...

**GOAL 13
CLIMATE ACTION**

- Air humidification
- 14 000 month of oxygen generated

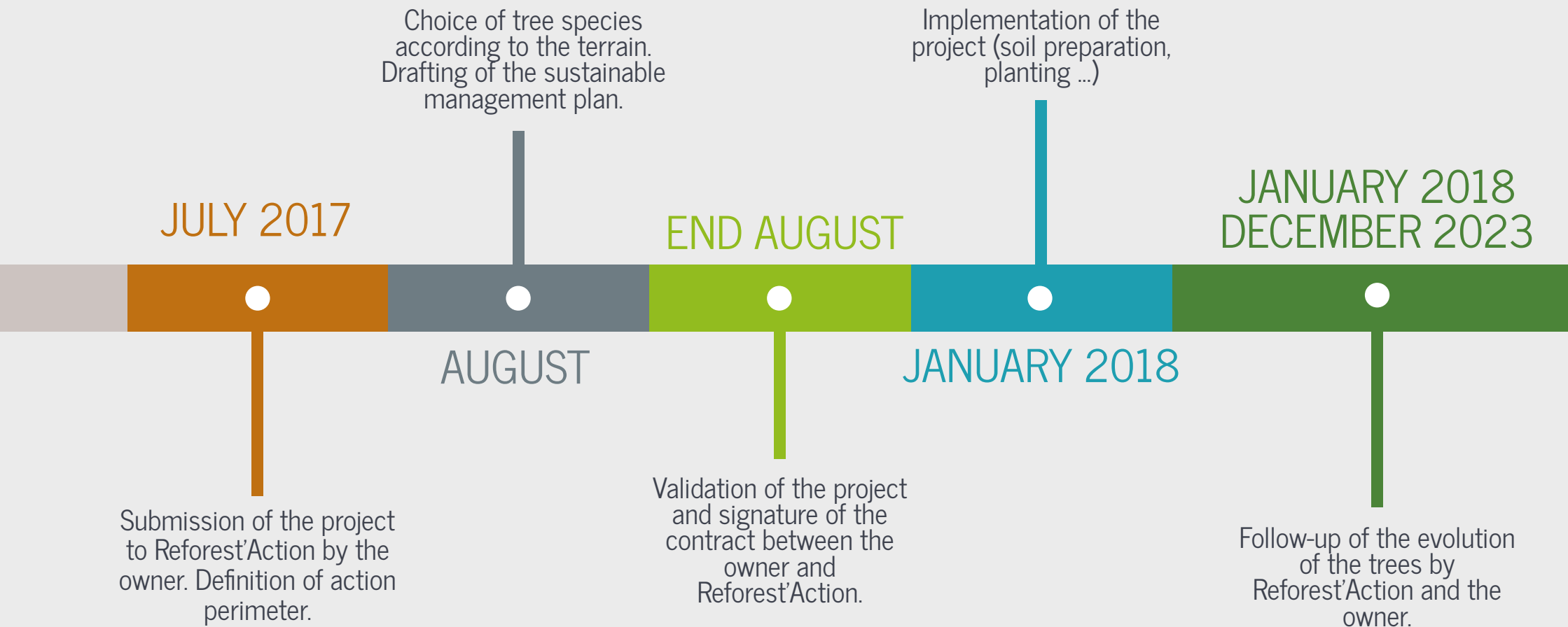
**GOAL 15
LIFE ON LAND**

- Biodiversity development: creation of 12 000 animal shelters

**GOAL 17
PARTNERSHIPS FOR THE GOALS**

- Project resulting from the partnership between Sielba and Reforest'Action

PROJECT SCHEDULE



PARCEL BEFORE PLANTATION





**16, avenue des Châteaupieds
92500 Rueil-Malmaison
FRANCE**

contact@reforestaction.com

01 84 78 04 80