

Una manera de hacer Europa



BUENAS PRÁCTICAS

Actuaciones Cofinanciadas

Plantation of native trees in all the green areas of Lugones.
EDUSI "El centro de Asturias"

Siero City Council

**Programa Operativo
Plurirregional de España**

Año 2022

Fondo Europeo de Desarrollo Regional

Good practice 10: Plantation of native trees in all the green areas of Lugones. EDUSI "El centro de Asturias". Ayuntamiento de Siero

INTRODUCTION:

As reflected in the EDUSI Siero "El Centro de Asturias" poor environmental quality is one of the main problems in Siero, Lugones being one of the most affected urban centers in the Council of Siero. Lugones suffers high levels of atmospheric, acoustic and landscape pollution as a result of a confluence of geographical, climatic and industrial development factors that put the future of Lugones at risk as an attractive place capable of offering a housing alternative to young families and guaranteeing a high quality of life for the elderly who choose this urban nucleus strategically located between Pola de Siero and Oviedo.

The DUSI Siero Strategy "Center of Asturias" shows that acting in Lugones produces an important transforming effect throughout the Council of Siero, and even more so, throughout Asturias thanks to its strategic position in the center of Asturias and its proximity to Oviedo. Lugones concentrates a series of problems that are extrapolated to the reality of the entire Council of Siero, such as air pollution and the need for green spaces for the population that contribute to uniting the territory. On the other hand, it offers a series of advantages such as the existence of a young population, the presence of a large number of green spaces, the possibility of obtaining housing at a reasonable price and an adequate orography and dimension that facilitate the use of alternative elements to the vehicle. Private for urban and interurban trips.

In this sense, with this action, an environmental regeneration of the spaces and green areas of Lugones has been carried out, with the objective of reforesting several of the green areas existing in the town with different species of native trees, generating forest masses that improve air quality, dampen noise pollution and mitigate visual and landscape pollution

The actions linked to the environmental regeneration of the spaces and green areas of Lugones consisted of actions of:

- Reconsideration of existing trees.
- Sanitation of existing trees.
- Earth movement for the location of the new trees.
- Plantation of more than 600 trees.
- Pruning and growth monitoring of the tree for 2 years.

The planned action consisted of planting 670 trees belonging to native species with the opening of 100x100x100 cm holes and removal of the extracted land to an authorized landfill. As well as, the contribution for filling after planting, of loose topsoil with a sand content of 20% and 70 liters of earthworm humus per hole.

The eligible cost of this action was €302,837.59 (award amount, taxes included), of which 80% (€242,270.07) are co-financed by the European Union.

1. THE ROLE OF THE FEDER IN THE ACTION HAS BEEN PROPERLY DISSEMINATED AMONG THE POTENTIAL BENEFICIARIES AND THE GENERAL PUBLIC

The role of the FEDER in the action has been disseminated with the following communication actions: The following announcement was inserted in the local and regional press:

Un LUGONES por y para las personas



Plantación de **arbolado autóctono** en todas las **zonas verdes** de Lugones

Renaturalización y mejora de la accesibilidad e infraestructuras de las zonas verdes de Lugones.



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SIERO
AYUNTAMIENTO

Renaturalización y mejora de la accesibilidad e infraestructuras de las zonas verdes de Lugones.



dena «dandareñal» y la culminación del proceso de estabilización funcional, en el que «se está avanzando mucho en los últimos meses», sostiene

Local newspaper El Fielato, 11/16/2022 Regional Newspaper La Nueva España, 09/11/22

2. THE ACTION INCORPORATES INNOVATIVE ELEMENTS

The action represents an innovative element in itself, since it represents a radical change in the way of understanding green areas in Lugones and the commitment to creating a quality green infrastructure that serves to mitigate the effects of climate change and regenerate urban space by increasing quality public space

3. SUITABILITY OF THE RESULTS OBTAINED TO THE ESTABLISHED OBJECTIVES

Within the 4 results provided by the EDUSI, the action will contribute effectively to the fulfillment of:

R3- Improve the environmental quality of Siero from the enhancement of nature in the city and the renaturation of spaces that regenerate green spaces.

4. CONTRIBUTION TO THE RESOLUTION OF A PROBLEM OR WEAKNESS DETECTED IN THE TERRITORIAL SCOPE OF IMPLEMENTATION

At present, poor environmental quality is a pressing problem in Lugones, the area suffers high levels of atmospheric and landscape pollution and has large green areas disconnected from each other and isolated in the urban sprawl.

Therefore, the renaturation of the area of action will mean an improvement in the connectivity of these green areas, creating integrated spaces in the city that will act as its backbone elements. This will generate the creation of forest masses that will improve air quality, reduce noise pollution and neutralize visual and landscape pollution, in addition to creating quality public space that favors social gatherings.

The application of nature-based solutions for cities is a fundamental element for the management of urban spaces, environments, such as Lugones, which are increasingly subjected to greater pressure and degradation. The importance of this operation lies in the fact that measures such as the use of trees to reduce both pollution or derived problems such as heat stroke, as well as the restoration of green areas in urban spaces generates support dynamics in ecosystems and the services they provide that will allow us to respond to future challenges in environmental management



Zone before the performance

Zone after the performance

Planting was carried out in the following areas:

1. Train station /2. La Paz Park /3. Alejandro Casona – Monte Naranco /4. Day Center – Health Center /5. Las Traviesas Park /6. Free Dog Park /7. Monte Auseva Street /8. Avda. Conde Santa Bárbara /9. Rio Seco Street /10. Roundabout Avenida Gijón and Calle Fundación /11. Roundabouts

Avenida El Castro and Avenida Les Bellotines /12. Antonio Machado Street /13. Santa Isabel Street /14. Boulevard /15. Leopoldo Lugones Street /16. Constitución Avenue /17. Rafael Alberti and Evaristo Valle streets /18. La Manzana School – Union Blocks – Bowling /19. Avda. of Gijón

The quantities and species planted were:

- 39 units of *Tilia cordata* (Lime wild) 20 to 25 cm. of trunk perimeter.
- 107 units of *Tilia platyphyllos* (Tilo) 20 to 25 cm. of trunk perimeter.
- 112 units of *Quercus robur* (Roble carballo) 20 to 25 cm. of trunk perimeter.
- 59 units of *Betula alba* (White birch) 18 to 20 cm. of trunk perimeter.
- 50 units of *Fraxinus excelsior* (Common Ash) 20 to 25 cm. of trunk perimeter.
- 23 units of *Fagus sylvatica* (Beech or Common Faya) 20 to 25 cm. of trunk perimeter.
- 3 units of *Fagus sylvatica* "atropurpurea" (red leaf beech) 20 to 25 cm. of trunk perimeter.
- 15 units of *Castanea sativa* (Chestnut) 14 to 16 cm. trunk perimeter
- 49 units of *Aesculus hippocastanum* (Chestnut) 20 to 25 cm. of trunk perimeter.
- 15 units of *Prunus avium* (Wild Cherry) 14 to 16 cm. of trunk perimeter.
- 76 units of *Ilex aquifolium* (Holly) 200 to 250 cm total height.
- 43 units of *Laurus nobilis* (Laurel) 18 to 20 cm. of trunk perimeter.
- 47 units of *Taxus baccata* (Common Yew) 200 to 250 cm in total height.
- 2 units of *Acer pseudoplatanus* (False banana - Plágano) 20 to 25 cm. of trunk perimeter.
- 30 units of *Liquidambar styraciflua* (Liquidambar) 25-30 cm. of trunk perimeter.

5. DEGREE OF COVERAGE OF THE POPULATION AT WHICH IT IS ADDRESSED

The Plantation of native trees, is an action that has a great impact among the citizens of Lugones, since this action provides coverage to the 13,141 inhabitants that Lugones has. The trees planted will contribute significantly to the absorption of greenhouse gases, helping to clean the air and improve the quality of life of the inhabitants and visitors of Lugones. On the other hand, the more than 600 trees planted provide new shaded areas to the green areas, contributing to the reduction of the temperature in the areas where they were planted, as well as having a significant landscape impact.

6. CONSIDERATION OF THE HORIZONTAL CRITERIA OF EQUAL OPPORTUNITIES AND NON-DISCRIMINATION, AS WELL AS SOCIAL RESPONSIBILITY AND ENVIRONMENTAL SUSTAINABILITY

The operation takes into account the horizontal principles of equal opportunities between men and women, non-discrimination, as well as those of social responsibility and accessibility from the participatory processes for its preparation. The improvement of the urban environment contributes to the process of establishing and recruiting the young population that favors the process of rejuvenation of the population pyramid.

On the other hand, the creation of renatured green areas from native species is a fundamental tool for the fight against climate change and sustainable development.

7. SYNERGIES WITH OTHER INTERVENTION POLICIES OR INSTRUMENTS

As complementary actions, we can point out some, such as the construction of bike lanes, an action co-financed by the FEDER, included in Siero's own Urban Development Strategy. This action is part of the interventions that are included in the "Project for the integration of the bicycle-pedestrian network and improvement and connection of green spaces in Lugones".

This action is foreseen as provision of free spaces within the General Urban Planning Plan of Siero (PGOU).

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