

# Pilot silo with an automated biomass (forest biomass) supply system

## Summary

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To provide a solution to the limitations in the distribution of forest biomass and to optimise the SALA FORESTAL SL Celrà production centre, the aim is to design and plan an automated silo that supplies forest biomass and decreases transport costs outside the current radial distribution area.

## Objectives

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- a ) To facilitate the supply and use of renewable sources of energy such as biomass (forest biomass) and promote carbon sequestration in the forestry sector.
- b ) Technology transfer between the Catalan Forestry Technology Centre (Centre Tecnològic Forestal de Catalunya, CTFC) and SALA FORESTAL SL, regarding biomass (forest biomass) storage and supply technologies.
- c ) To design and plan an automated forest biomass supply silo.
- d ) To lower biomass (forest biomass) transport costs from the SALA FORESTAL SL production centre to locations over 100 km away.
- e ) Dissemination and promotion of the automated forest biomass supply silo.

## Conclusions

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It can be concluded that the project is both technologically and financially viable. And the management and logistics improvements lead to a very significant decrease in CO2 emissions into the atmosphere. On the other hand, the project provides a consolidated and stable method of consuming forest biomass, which revitalises the sector and brings a product that up to now has been undervalued into line with other energy sources.

The project also helps revitalise the rural sector, origin of the raw material.

## Operational Group Leader

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Entitat: **SALA FORESTAL, SL**

E-mail de contacte:

**salaforestal@salaforestal.com**

Tipologia d'entitat:

**Indústria forestal**

## Keyword-category

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Forestry

## Territorial scope

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### Province

Tarragona

Lleida

Girona

Barcelona

### County

Val d'Aran

Ripollès

Pallars Sobirà

Pallars Jussà

Cerdanya

Berguedà

**Project dissemination** (*publications, seminars, multimedia...*)

Publicació web: Sitja Pilot Automatitzada Subministradora de Biomassa (estella forestal)- SPASB

**Project website**

<https://ec.europa.eu/eip/agriculture/en/find-connect/projects/sitja-pilot-automatitzada-subministradora-de>

**Other project information****Project period****Approved budget**

Starting date (month-year): Març 2017	<b>Total budget:</b>	<b>28.571,43 €</b>
End date (month-year): Setembre 2017	<i>Funding source DARP:</i>	11.400,00 €
Project status: <i>Finalised</i>	<i>Funding source EU:</i>	8.600,00 €
	<i>Own funds:</i>	8.571,43 €

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*Ordre ARP/96/2016, de 27 d'abril, per la qual s'aproven les bases reguladores dels ajuts a la cooperació per a la innovació a través del foment de la creació de grups operatius de l'Associació Europea per a la Innovació en matèria de productivitat i sostenibilitat agrícoles i la realització de projectes pilot innovadors per part d'aquests grups (operació 16.01.01), i es convoquen els corresponents a 2016.*

*Id. projecte: 109 2016*