



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 862681.

Digitalization in the Poplar sector

POPLAR WEEK. Carracedelo, León. Spain. 14, 15, 16 June 2021

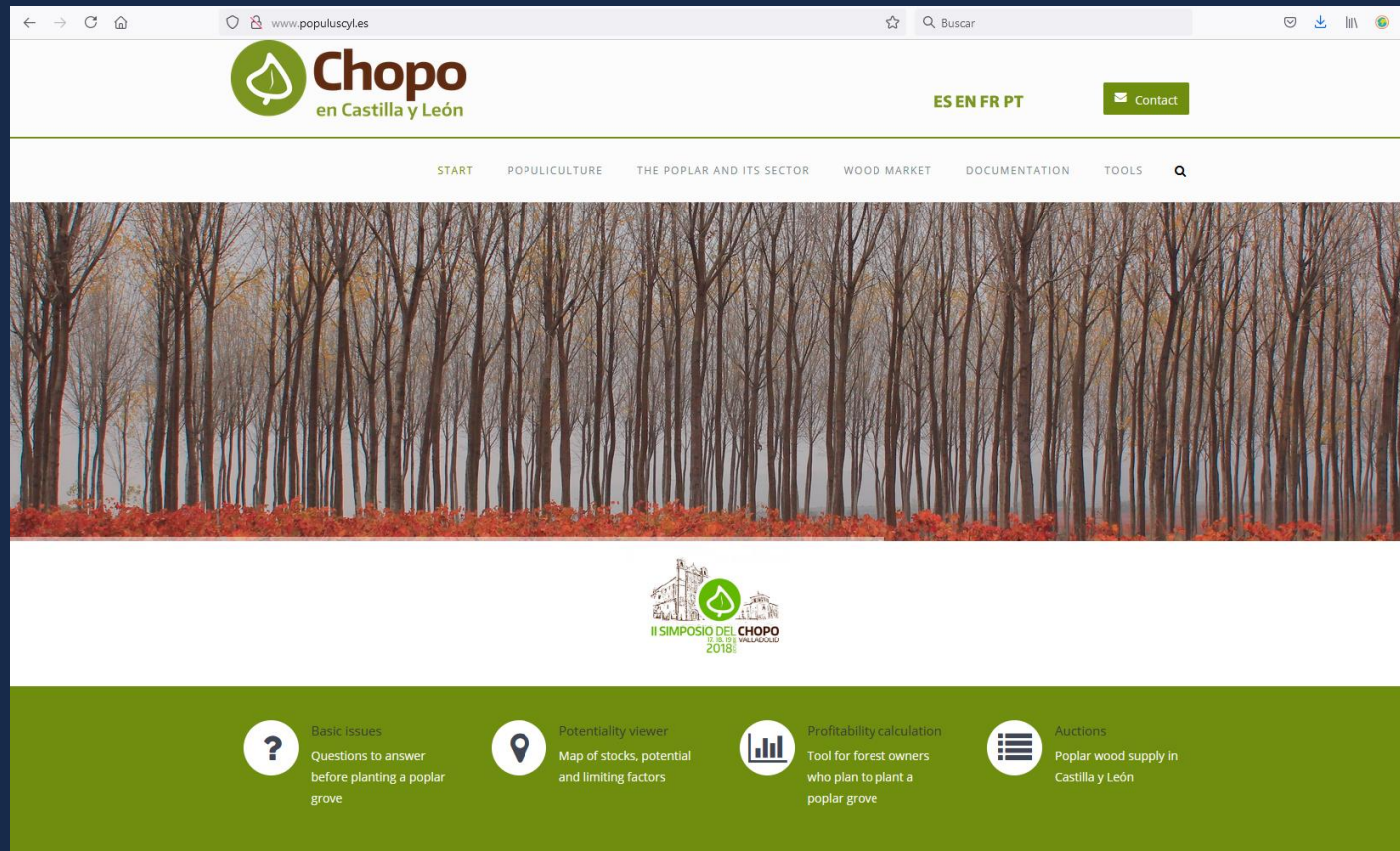


CESEFOR FOUNDATION. 15TH JUNE 2021. SWE HUB



Potentiality and profitability analysis tools for poplar plantations in Castile and León

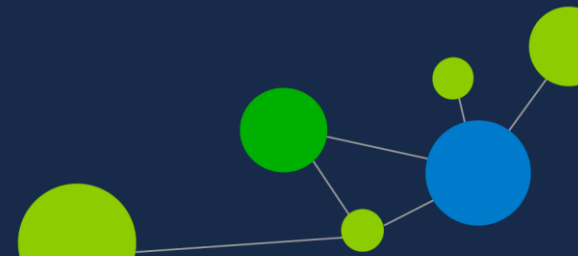
The poplar portal – www.populuscyl.es



Poplar week
SWE hub. 15th June 2021

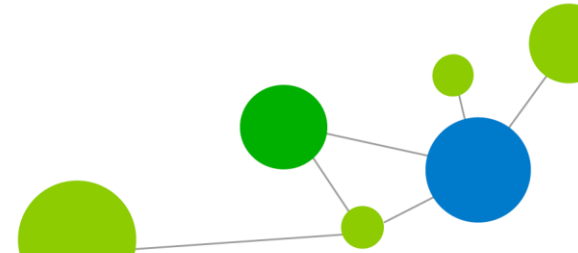


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POPLAR IN CASTILLA Y LEÓN

- **3 Main species:** *Populus nigra*, *Populus alba* and *Populus tremula*
- **First European region** in production of poplar wood
- Poplar surface:
 - 44,000 ha (60% of Spain)
 - 3% of the regional tree forest area
 - more than 20% of the annual wood cuttings
 - more than 40% of the income from wood sales



PROFITABILITY CALCULATOR

- The profitability of a poplar plantation depends on many factors (plantation, clone, land, cultural works, water availability, location...)
- The calculator gives an estimate of the benefits using an average of the sale prices
- Request 4 parameters from the user
- Results: table + recommendations

Annual average economic data per hectare

Income ha / year (€)	Expenses ha / year (€)	Benefit / ha / year (€)	Total profit (€)
714.04	315.54	398.50	12,751.96

With financing at 3%

Surface * Ha

Approximate plantable area (Ha):

Quality *

☐ Good

☐ Half

☐ Bad

Is it necessary to de-stump? *

☐ YES

☐ NOT

Is deep root planting possible? *

☒ YES

☐ NOT

To carry out a successful deep root planting, the availability of the water table must be checked at a depth of less than 4 meters in the summer period. This is difficult unless a pit is made or a well is available. It is convenient to carry out several pits in different areas of the farm for larger or not very homogeneous plots. If the farm is located in an alluvial zone and there are good quality poplar groves planted with deep roots in the surroundings, the availability of a water table in the plot is very likely.

How deep? *

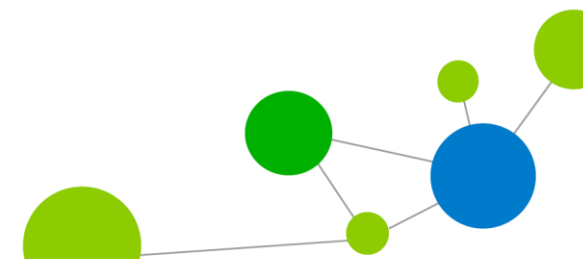
☐ Between 1.5 and 2.5 meters *

☐ Between 2.5 and 4 meters *

CALCULATE



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USER STATISTICS

PORTAL

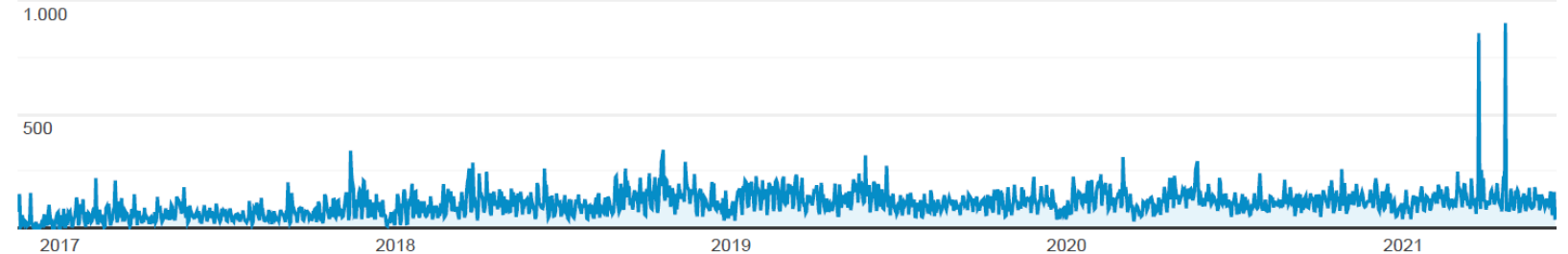
- Start date: November 2016
- Total visits: 177,760
- Visits per day: 106

PROFITABILITY CALCULATOR

- Total calculations: 6,400
- Calculations per day: 3,8

Vista general

● Número de visitas a páginas



Número de visitas a páginas

177.760



Número de páginas vistas únicas

137.348



Promedio de tiempo en la página

00:02:24



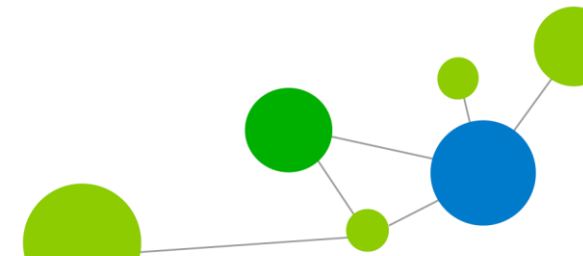
Porcentaje de rebote

65,22 %



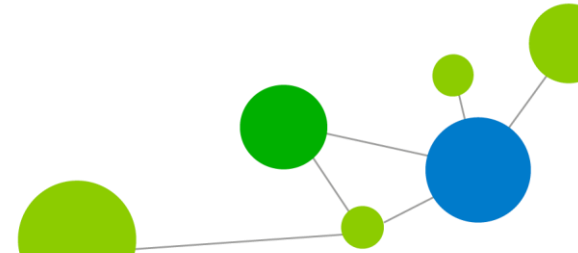
Porcentaje de salidas

52,91 %



MAP VIEWER - POTENTIALITY

- Potentially suitable land for planting
- Alluvial Soil Layer
- Existing plantations
- River network
- Limiting factors:
 - Altitude > 1100 m
 - Slope > 5%
- Additional info:
 - Protected areas
 - Fluvial reserves





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CARRACEDELO, LEÓN. SPAIN



Ayuntamiento de
Carracedelo