Inventory and characterization of forest roads



Public administrations directly manage a road network on forest land that in many cases is longer than the general road network itself. Wood transport is a key factor in the value chain of wood mobilization.

There is therefore a need for reliable knowledge of this network, so that resources can be optimised and rationalised in terms of maintenance and improvement, that is to say, the rationalisation of the processes of inventory, planning, programming and control of the work on these tracks must be emphasised.

The lack of digital cartography with sufficient quality in rural areas is a constant in most territories. Together with a certain delay in the application of technologies in the sectors that operate in this area, they make these areas a priority objective on which to concentrate this type of effort. This cartography allows to plan more effectively the operations related to the harvesting and transport of wood, from the forest to the industry.

Since 2009, Cesefor has directed and developed the project co-financed by the Regional Government of Castilla y León and the Ministry of Industry and Trade. Within the framework of this project, more than 50,000 km of rural roads have been inventoried and more than 33,000 equipments have been collected, forming a continuous network connected to the road network with extensive gualitative information on forest areas.

The information has been collected by GPS, attaching the necessary qualitative information in each case.

Specific cartography has been distributed to environmental agents, fire extinguishing media dependent on the Junta de Castilla y León and the digital information is available at the Junta de Castilla y León.

A specific navigator has also been developed for rural roads, since due to the special characteristics of this network it is necessary to know the existing restrictions, either by type of vehicle or state of the tracks.

GIS and database management

SURSA DE LEMN	POTENțIALUL DE MOBILIZARE
Pădure	-
TIPUL DE LEMN	
Lemn masiv	POTENțIAL DE SUSTENABILITATE - VALOARE
TIPUL DE LEMN îN CAUZă	FACILITATEA DE IMPLEMENTARE
Any wood from forests	Medium
IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII	FACILITATEA DE IMPLEMENTARE - EVALUARE
Positive: reduction on fuel consumption	
EFECT ASUPRA VENITURILOR	CONDIȚII CHEIE PREALABILE
Reduction on transportation costs	Good work planning and suitable personal needed
POTENțIAL DE EXPLOATARE	TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB
HUB	EFECT ASUPRA LOCURILOR DE MUNCĂ
	None
IMPACT ECONOMIC	COSTURI PENTRU IMPLEMENTARE (EURO - €)
Reduction on transportation costs	
CUNOșTINțE SPECIFICE NECESARE	

PROVOCARE ABORDATă	DOMAIN	TIP DE SOLUțIE		
	Recoltare, infrastructură, logistică	Modelare, DSS, simulare, optimizare		
CUVINTE CHEIE	SOLUțIE DIGITALă	INOVAțIE		
	Da	Nu		
ȚARA DE ORIGINE	SCARA DE APLICARE	ANUL DE ÎNCEPUT și de sfârșit		
Spania	Regional/ sub-național			
DATE DE CONTACT				
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REFERENCES AND RESOURCES				
PAGINă WEB	RESURSE			
http://www.cesefor.com				
WEBSITE PROJECT				
REFERINță PROIECT				

PROIECTUL ÎN CADRUL CĂRUIA A FOST CREATĂ ACEASTĂ FIȘĂ INFORMATIVĂ

Rosewood

DATA POSTĂRII

12 Sep 2019







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

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