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 qualitative 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.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

TIPUL DE LEMN îN CAUZă

Any wood from forests

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII

Positive: reduction on fuel consumption

EFECT ASUPRA VENITURILOR

Reduction on transportation costs

POTENțIAL DE EXPLOATARE

--

HUB

--

IMPACT ECONOMIC

Reduction on transportation costs

CUNOșTINțE SPECIFICE NECESARE

GIS and database management

POTENțIALUL DE MOBILIZARE

-

POTENțIAL DE SUSTENABILITATE - VALOARE

--

FACILITATEA DE IMPLEMENTARE

Medium

FACILITATEA DE IMPLEMENTARE - EVALUARE

--

CONDIțII CHEIE PREALABILE

Good work planning and suitable personal needed

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

--

EFECT ASUPRA LOCURILOR DE MUNCă

None

COSTURI PENTRU IMPLEMENTARE (EURO - €)

--

MAI MULTE DETALII

PROVOCARE ABORDATă

--

DOMAIN

Recoltare, infrastructură, logistică

TIP DE SOLUțIE

Modelare, DSS, simulare, optimizare

CUVINTE CHEIE

--

SOLUțIE DIGITALă

Da

INOVAțIE

Nu

ȚARA DE ORIGINE

Spania

SCARA DE APLICARE

Regional/ sub-național

ANUL DE îNCEPUT șI DE SFâRșIT

--

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REPORTER

REFERENCES AND RESOURCES

PAGINă WEB

http://www.cesefor.com

RESURSE

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WEBSITE PROJECT

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REFERINță PROIECT

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PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood

DATA POSTăRII

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