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.

DETALJER

VEDENS URSPRUNG
Skog

TRäTYP
Rundvirke

TYP AV TRä
Any wood from forests

PåVERKAN På MILJö & BIOLOGISK MåNGFALD
Positive: reduction on fuel consumption

EKONOMISK EFFEKT
Reduction on transportation costs

KOMMERSIELL POTENTIAL
--

NAV
--

EKONOMISK PåVERKAN
Reduction on transportation costs

SPECIFIKA KUNSKAPSBEHOV
GIS and database management

MOBILISERINGSPOTENTIAL
-

HåLLBARHETS POTENTIAL - VäRDE
--

ENKEL IMPLEMENTERING
Medium

ENKEL IMPLEMENTERING - UTVäRDERING
--

NYCKEL FöRUTSäTTNINGAR
Good work planning and suitable personal needed

TYP AV EVENEMANG DäR DENNA BPI HAR PRESENTERATS
--

EFFEKT ANTAL ANSTäLLDA
None

KOSTNADER FöR IMPLEMENTERING (EURO - €)
--

MER INFORMATION

UTMANING SOM ADRESSERAS

--

DOMäN

Avverkning, infrastruktur, logistik

TYPE AV LöSNING

Modellering, DSS, simulering, optimering

NYCKELORD

--

DIGITAL LöSNING

Ja

INNOVASION

Nej

UPPHOVSLAND

Spanien

POTENTIAL

Regional/landsdel

START OCH SLUTåR

--

KONTAKT INFORMASION

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RAPPORTöR

REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

http://www.cesefor.com

PROJEKTETS HEMSIDA

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PROJEKTREFERENS

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RESURSER

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PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood

DATUM FöR INLäGG

12 sep 2019

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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY