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

OPPRINNELSE FOR TRE

Skog

TYPE TRE

Tre fra rundtvirke

TYPE TRE INVOLVERT

Any wood from forests

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD

Positive: reduction on fuel consumption

INNTEKTSEFFEKT

Reduction on transportation costs

UTNYTTELSESPOTENSIAL

--

HUB

--

ØKONOMISK PåVIRKNING

Reduction on transportation costs

SPESIFIKKE KUNNSKAPSBEHOV

GIS and database management

MOBILISERINGSPOTENSIAL

-

BæREKRAFTPOTENSIAL - VERDI

--

ENKEL IMPLEMENTERING

Medium

ENKEL IMPLEMENTERING - EVALUERING

--

VIKTIGE FORUTSETNINGER

Good work planning and suitable personal needed

TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

--

EFFEKT På ARBEIDSPLASSER

None

KOSTNADER MED IMPLEMENTERING (EURO - €)

--

MER INFORMASJON

UTFORDRING ADRESSERT

--

DOMENE

Avvirkning, infrastruktur, logistikk

TYPE LøSNING

Modellering, DSS, simulering, optimalisering

NøKKELORD

--

DIGITAL LøSNING

Ja

INNOVASJON

Nei

OPPRINELSESLAND

Spania

POTENSIALE

Regional/deler av landet

START OG SLUTT åR

--

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTøR

REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

http://www.cesefor.com

PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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RESSURSER

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

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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