Virtual Forest 2.0

Virtual forest is an application, which can be used in participatory planning of land use, guidance of forest owners and for combining interests of different stakeholder groups concerning utilization of natural resources and areas.

Virtual forest 2.0 is a research and development project that has developed a digital application to enable the visualization of forest resources and spatial data in 3D. A virtual forest is software that can be utilized in participatory land use planning, advising forest owners, and taking into account the goals of user and interest groups in the areas.The virtual forest can be used to increase citizens' understanding of different forest management options and to illustrate the landscape effects of a forest plan. The virtual forest can be used to visualize the holdings of any forest owner, and the application is compatible with various information systems in the forest industry.The virtual forest 2.0 uses open QGIS geographic information system to generate changes in forest patterns or tree data, habitat data and terrain data in a virtual 3D-visualization. The free downloadable Virtual Forest 2.0 application was released in October 2020.

DETALJER

OPPRINNELSE FOR TRE

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TYPE TRE

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TYPE TRE INVOLVERT

Woodlands and forests

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD

High, since the results of forestry operations can be demonstrated in the 3D forest enviroment

INNTEKTSEFFEKT

Positive

UTNYTTELSESPOTENSIAL

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HUB

Northern Hub

ØKONOMISK PåVIRKNING

Positive

SPESIFIKKE KUNNSKAPSBEHOV

Comprehensive database, coding skills, understanding of forestry processes.

MOBILISERINGSPOTENSIAL

high

BæREKRAFTPOTENSIAL - VERDI

Medium

ENKEL IMPLEMENTERING

Requires IT skills

ENKEL IMPLEMENTERING - EVALUERING

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VIKTIGE FORUTSETNINGER

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TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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EFFEKT På ARBEIDSPLASSER

Positive

KOSTNADER MED IMPLEMENTERING (EURO - €)

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MER INFORMASJON

UTFORDRING ADRESSERT

3. Aktiver private eiere og samarbeidsvillighet i skogforvaltningen

NØKKELORD

virtual; application; visualization

OPPRINELSESLAND

Finland

DOMENE

Inventering, vurdering, overvåking

Eierskap, samarbeid

DIGITAL LØSNING

Ja

POTENSIALE

Nasjonal

TYPE LØSNING

Modellering, DSS, simulering, optimalisering

INNOVASJON

Ja

START OG SLUTT åR

2018 - 2020

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

https://virtualforest2.wordpress.com/home/

PROSJEKTETS HJEMMESIDE

https://virtualforest2.wordpress.com/fi/

REFERANSE TIL PROSJEKT

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RESSURSER

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LOGO FOR BESTE PRAKSIS

LOGO FOR HOVEDORGANISASJON

LAPIN AMK
Lapland University of Applied Sciences

PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

12 aug 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY