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.

DETALJI

PODRIJETLO DRVA

--

VRSTA DRVA

--

ODGOVARAJUĆA VRSTA DRVA

Woodlands and forests

UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

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

UČINAK NA PRIHOD

Positive

POTENCIJAL ISKORISTIVOSTI

--

SREDIŠTE

Sjeverno središte

GOSPODARSKI UČINAK

Positive

POTREBNA POSEBNA ZNANJA

Comprehensive database, coding skills, understanding of forestry processes.

POTENCIJAL ZA POVEĆANJE UPORABE DRVA

high

POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

Srednji

JEDNOSTAVNOST PROVEDBE

Requires IT skills

JEDNOSTAVNOST PROVEDBE - EVALUACIJA

--

KLJUČNI PREDUVJETI

--

VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

--

UČINAK NA ZAPOŠLJIVOST

Positive

TROŠKOVI PROVEDBE (EURO - €)

--

VIŠE DETALJA

IZAZOV

3. Aktiviranje privatnih vlasnika u upravljanju šumama

KLJUČNE RIJEČI

virtual; application; visualization

ZEMLJA PODRIJETLA

Finska

DOMENA

Popis, procjena, praćenje

Vlasništvo, suradnja

DIGITALNO RJEŠENJE

Da

PODRUČJE PRIMJENE

Nacionalna

VRSTA RJEŠENJA

Modeliranje, sustav za podršku odlučivanju, simulacija, optimizacija

INOVACIJA

Da

POČETAK I KRAJ GODINE

2018 - 2020

KONTAKT PODATCI

VLASNIK ILI AUTOR

Lapland University of Applied Sciences

Markus Korhonen

markus.korhonen@lapinamk.fi

https://www.lapinamk.fi/fi

IZVJESTITELJ

Lapland University of Applied Sciences

Merja Laajanen

merja.laajanen@lapinamk.fi

REFERENCES AND RESOURCES

GLAVNA WEB STRANICA

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

WEB STRANICA PROJEKTA

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

REFERENCA PROJEKTA

--

IZVORI

--

LOGO PRIMJERA DOBRE PRAKSE

LOGO GLAVNE ORGANIZACIJE

LAPIN AMK
Lapland University of Applied Sciences

PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

12 kol 2021

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

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León