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.

PODROBNOSTI

IZVOR LESA

--

TIP LESA

--

VRSTA OBRAVNAVANEGA LESA

Woodlands and forests

VPLIV NA OKOLJE IN BIODIVERZITETO

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

VPLIV NA PRIHODKE

Positive

POTENCIAL IZKORIŠČANJA

--

VOZLIŠČE

Severno vozlišče

GOSPODARSKI VPLIV

Positive

POTREBNO SPECIFIČNO ZNANJE

Comprehensive database, coding skills, understanding of forestry processes.

POTENCIAL ZA MOBILIZACIJO

high

TRAJNOST - VREDNOST

Srednja

ENOSTAVNOST IZVEDBE

Requires IT skills

ENOSTAVNOST IZVEDBE - OCENJEVANJE

--

KLJUČNI PREDPOGOJI

--

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

--

VPLIV NA DELOVNA MESTA

Positive

STROŠKI IZVEDBE (EURO - €)

--

VEč PODROBNOSTI

IZZIV

3. Aktivacija zasebnih lastnikov in skupno upravljanje gozdov

DOMENA

Inventura, ocena, monitoring
Lastništvo, sodelovanje

TIP REŠITVE

Modeliranje, DSS, simulacija, optimizacija

KLJUČNE BESEDE

virtual; application; visualization

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Finska

OBSEG UPORABE

Nacionalni

ZAČETNO IN KONČNO LETO

2018 - 2020

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

Lapland University of Applied Sciences

Markus Korhonen

markus.korhonen@lapinamk.fi

https://www.lapinamk.fi/fi

POROČEVALEC

Lapland University of Applied Sciences

Merja Laajanen

merja.laajanen@lapinamk.fi

REFERENCES AND RESOURCES

SPLETNA STRAN

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

SPLETNA STRAN PROJEKTA

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

REFERENCA PROJEKTA

--

VIRI

--

LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE

LAPIN AMK
Lapland University of Applied Sciences

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

12 Aug 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