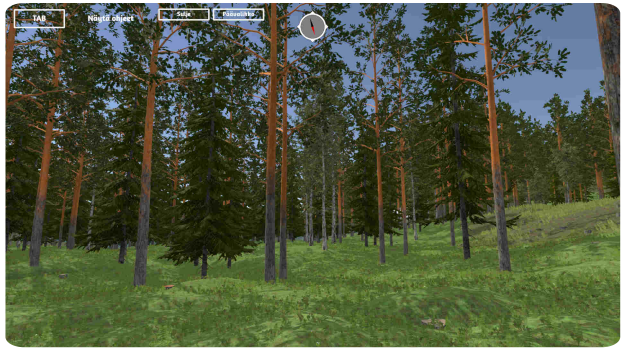
Virtual Forest 2.0



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.

DéTAILS

ORIGINE DU BOIS

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TYPE DE BOIS

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TYPE DE BOIS CONCERNé

Woodlands and forests

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé

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

EFFET SUR LE REVENU

Positive

POTENTIEL D'EXPLOITATION

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HUB

Pôle Nord

IMPACT éCONOMIQUE

Positive

CONNAISSANCES SPéCIFIQUES REQUISES

Comprehensive database, coding skills, understanding of forestry processes.

POTENTIEL DE MOBILISATION

high

POTENTIEL DE DURABILITé - VALEUR

Moyen

FACILITé D'IMPLéMENTATION

Requires IT skills

FACILITé D'IMPLéMENTATION - ÉVALUATION

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PRéREQUIS CLéS

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TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE

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EFFET SUR L'EMPLOI

Positive

COûTS D'IMPLéMENTATION (EURO - €)

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PLUS DE DéTAILS

DéFI CONCERNé

3. Dynamiser les propriétaires forestiers et la gestion forestière coopérative

DOMAINE

Inventaire, diagnostic, monitoring

Propriété, coopération

TYPE DE SOLUTION

Modélisation, DSS, simulation, optimisation

MOTS-CLéS

virtual; application; visualization

SOLUTION DIGITALE

Oui

INNOVATION

Oui

PAYS D'ORIGINE

Finlande

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

2018 - 2020

INFORMATIONS DE CONTACT

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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

SITE WEB DU PROJET

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

RéFéRENCE DU PROJET

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RESSOURCES

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LOGO DE LA BONNE PRATIQUE

LOGO DE L'ORGANISATION PRINCIPALE

LAPIN AMK
Lapland University of Applied Sciences

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY