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.

DETALHES

ORIGEM DA MADEIRA

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TIPO DE MADEIRA

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TIPO DE MADEIRA EM CAUSA

Woodlands and forests

IMPACTE NO AMBIENTE E BIODIVERSIDADE

High, since the results of forestry operations can be

demonstrated in the 3D forest enviroment

IMPACTE NAS RECEITAS

Positive

POTENCIAL DE EXPLORAçãO

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HUB

Pólo Norte

IMPACTE ECONOMICO

Positive

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

Comprehensive database, coding skills, understanding of forestry processes.

POTENCIAL DE MOBILIZAçãO

high

SUSTENTABILIDADE POTENCIAL - VALOR

Médio

FACILIDADE DE IMPLEMENTAçãO

Requires IT skills

FACILIDADE DE IMPLEMENTAçãO

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PRE-REQUISITOS CHAVE

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TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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IMPACTE NO EMPREGO

Positive

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)

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MAIS DETALHES

DESAFIO ABORDADO
3. Motivar os proprietários privados e a gestão florestal cooperativa

PALAVRAS-CHAVE
virtual; application; visualization

PAíS DE ORIGEM
Finlândia

DOMíNIO
Inventário, avaliação e monitorização

Regime de propriedade, cooperação

SOLUçãO DIGITAL
Sim

ESCALA DE APLICAçãO
Nacional

TIPO DE SOLUçãO
Modelação, sistemas de apoio à decisão, simulaçã, optimização

INOVAçãO
Sim

ANO DE INíCIO E FIM
2018 - 2020

DADOS DE CONTACTO

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REFERENCES AND RESOURCES

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

WEBSITE DO PROJETO
https://virtualforest2.wordpress.com/fi/

REFERêNCIA AO PROJETO
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RECURSOS
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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Ago 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY