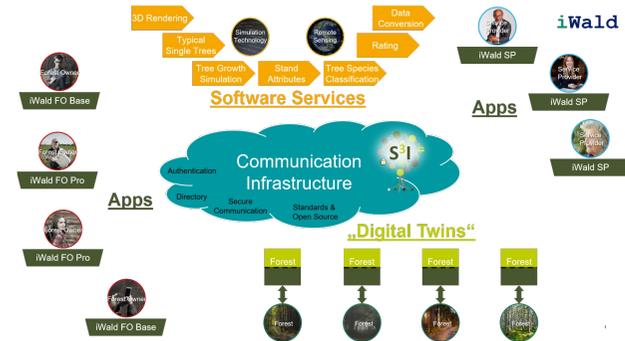


iWald | Forest growth simulation app



Comparison of silvicultural treatment concepts by simulating forest growth processes on the smartphone.

In the iWald project, a system is being developed enabling forest owners to obtain realistic and technically sound options for the sustainable management of their forests. The individual objectives of the forest owner (private, communal, state) are taken into account as well as the forestry risk minimization and the sustainable conversion of forests while safeguarding the economic, ecological and social forest functions. One of the main results of iWald will be the "iWald App", which can be used to simulate forest growth processes on a smartphone. This will be provided with different entry barriers, so that both the forest layman and the trained forester will find their access to iWald. The goals include activating forest owners, who can thus approach their forest on a playful level, or improving public acceptance of forestry interventions through the possibility of simple visualization of future consequences.

DETALLES

ORIGEN DE LA MADERA

--

TIPO DE MADERA

--

TIPO DE MADERA AFECTADA

--

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Economic, ecological and social forest functions are integrated into the apps decision support system.

EFFECTO SOBRE LOS INGRESOS

--

POTENCIAL DE EXPLOTACIÓN

--

HUB

Eje Centro-Oeste

IMPACTO ECONÓMICO

--

CONOCIMIENTOS ESPECÍFICOS NECESARIOS

POTENCIAL DE MOVILIZACIÓN

High, activation of forest owners to initiate forestry interventions is encouraged by the game character of the app.

POTENCIAL DE SOSTENIBILIDAD - VALOR

Muy positivo

FACILIDAD DE APLICACIÓN

The solution is not yet available on the market.

FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

Difícil

PREREQUISITOS CLAVE

--

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

--

EFFECTO SOBRE EL EMPLEO

--

COSTES DE IMPLEMENTACIÓN (EURO - €)

--

MÁS DETALLES

RETO ABORDADO

1. Mejorar la resistencia y la adaptación de los bosques al cambio climático

PALABRAS CLAVE

tree growth simulation
apps
private forest owners
service providers

PAÍS DE ORIGEN

Alemania

DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

SOLUCIÓN DIGITAL

Sí

ESCALA DE APLICACIÓN

Nacional

TIPO DE SOLUCIÓN

Modelización, DSS, simulación, optimización

INNOVACIÓN

Si

AÑO DE INICIO Y FIN

--

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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

<https://www.mmi.rwth-aachen.de/projekt/iwald/>

SITIO WEB DEL PROYECTO

<https://kwf2020.kwf-online.de/portfolio/iwald/>

REFERENCIA DEL PROYECTO

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RECURSOS



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

