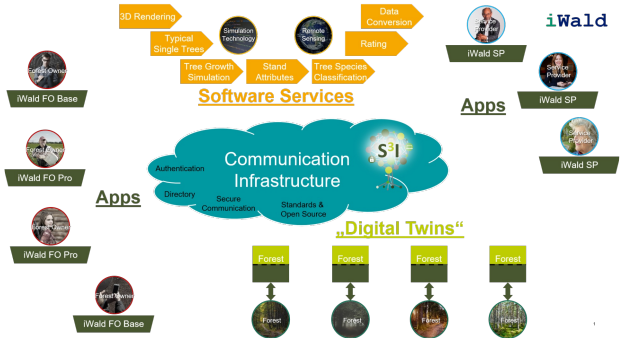
iWald | Forest growth simulation app



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.

DETALJI

PODRIJETLO DRVA
--

VRSTA DRVA
--

ODGOVARAJUĆA VRSTA DRVA
--

UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST
Economic, ecological and social forest functions are integrated into the apps decision support system.

UČINAK NA PRIHOD
--

POTENCIJAL ISKORISTIVOSTI
--

SREDIŠTE
Centralno-zapadno čvorište

GOSPODARSKI UČINAK
--

POTREBNA POSEBNA ZNANJA

POTENCIJAL ZA POVEĆANJE UPORABE DRVA
High, activation of forest owners to initiate forestry interventions is encouraged by the game character of the app.

POTENCIJAL ODRŽIVOSTI - VRIJEDNOST
Vrlo pozitivno

JEDNOSTAVNOST PROVEDBE
The solution is not yet available on the market.

JEDNOSTAVNOST PROVEDBE - EVALUACIJA
teško

KLJUČNI PREDUVJETI
--

VRSTA DOGAđAJA NA KOJEM JE PRIKAZAN OVAJ BPI
--

UČINAK NA ZAPOŠLJIVOST
--

TROŠKOVI PROVEDBE (EURO - €)
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VIŠE DETALJA

IZAZOV

1. Poboljšanje otpornosti šuma i prilagodbe klimatskim promjenama

DOMENA

Upravljanje šumama, uzgoj šuma, usluge ekosustava, otpornost

VRSTA RJEŠENJA

Modeliranje, sustav za podršku odlučivanju, simulacija, optimizacija

KLJUČNE RIJEČI

tree growth simulation

apps

private forest owners

service providers

DIGITALNO RJEŠENJE

Da

INOVACIJA

Da

ZEMLJA PODRIJETLA

Njemačka

PODRUČJE PRIMJENE

Nacionalna

POČETAK I KRAJ GODINE

--

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IZVJESTITELJ

FBZ

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REFERENCES AND RESOURCES

GLAVNA WEB STRANICA

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

WEB STRANICA PROJEKTA

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

REFERENCA PROJEKTA

iWald, funded by FNR under no. 22012818

IZVORI

LOGO PRIMJERA DOBRE PRAKSE

LOGO GLAVNE ORGANIZACIJE

iWald

Institut für Mensch-Maschine-Interaktion

PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

12 kol 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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