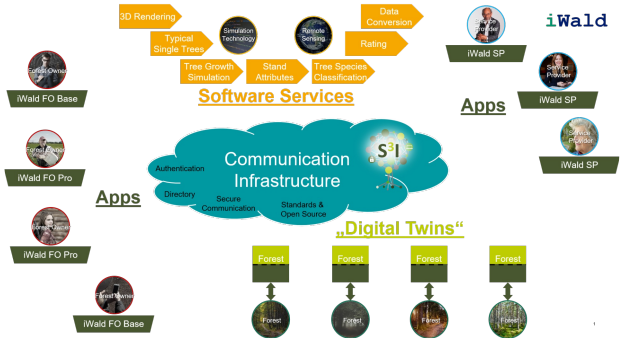
iWald | Forest growth simulation app



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.

DETALJER

OPPRINNELSE FOR TRE

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TYPE TRE

--

TYPE TRE INVOLVERT

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PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD

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

INNTEKTSEFFEKT

--

UTNYTTELSESPOTENSIAL

--

HUB

Central-West Hub

ØKONOMISK PåVIRKNING

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SPESIFIKKE KUNNSKAPSBEHOV

MOBILISERINGSPOTENSIAL

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

BæREKRAFTPOTENSIAL - VERDI

Veldig positivt

ENKEL IMPLEMENTERING

The solution is not yet available on the market.

ENKEL IMPLEMENTERING - EVALUERING

Vanskelig

VIKTIGE FORUTSETNINGER

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TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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EFFEKT På ARBEIDSPLASSER

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KOSTNADER MED IMPLEMENTERING (EURO - €)

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MER INFORMASJON

UTFORDRING ADRESSERT

1. Forbedre skogens robusthet og tilpasningsevne til klimaendringer

DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester

TYPE LØSNING

Modellering, DSS, simulering, optimalisering

NØKKELORD

tree growth simulation

apps

private forest owners

service providers

DIGITAL LØSNING

Ja

INNOVASJON

Ja

OPPRINELSESLAND

Tyskland

POTENSIALE

Nasjonal

START OG SLUTT åR

--

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTØR

FBZ

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REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

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

PROSJEKTETS HJEMMESIDE

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

REFERANSE TIL PROSJEKT

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RESSURSER

LOGO FOR BESTE PRAKSIS

LOGO FOR HOVEDORGANISASJON

iWald

Institut für Mensch-Maschine-Interaktion

PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

12 aug 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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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

EFI