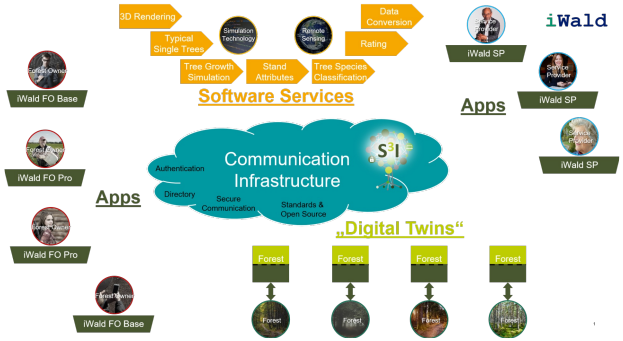
iWald | Forest growth simulation app



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

VEDENS URSPRUNG

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TRäTYP

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TYP AV TRä

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PåVERKAN På MILJö & BIOLOGISK MåNGFALD

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

EKONOMISK EFFEKT

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KOMMERSIELL POTENTIAL

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NAV

Centrala och västra navet

EKONOMISK PåVERKAN

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SPECIFIKA KUNSKAPSBEHOV

MOBILISERINGSPOTENTIAL

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

HåLLBARHETS POTENTIAL - VäRDE

Mycket positiv

ENKEL IMPLEMENTERING

The solution is not yet available on the market.

ENKEL IMPLEMENTERING - UTVäRDERING

Svårt

NYCKEL FöRUTSäTTNINGAR

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TYP AV EVENEMANG DäR DENNA BPI HAR PRESENTERATS

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EFFEKT ANTAL ANSTäLLDA

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KOSTNADER FöR IMPLEMENTERING (EURO - €)

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MER INFORMATION

UTMANING SOM ADRESSERAS

1. Förbättra skogens motståndskraft och anpassning till klimatförändringar

DOMäN

Skogsförvaltning, skogskjötsel, ekosystemtjänster

TYPE AV LöSNING

Modellering, DSS, simulering, optimering

NYCKELORD

tree growth simulation

apps

private forest owners

service providers

DIGITAL LöSNING

Ja

INNOVASION

Ja

UPPHOVSLAND

Tyskland

POTENTIAL

Nationell

START OCH SLUTåR

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KONTAKT INFORMASION

ÄGARE ELLER FöRFATTARE

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RAPPORTöR

FBZ

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REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

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

PROJEKTETS HEMSIDA

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

PROJEKTREFERENS

iWald, funded by FNR under no. 22012818

RESURSER

LOGO FöR BEST PRACTICE

iWald

LOGO, HUVUDORGANISATION

Institut für Mensch-Maschine-Interaktion

PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood 4.0

DATUM FöR INLäGG

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