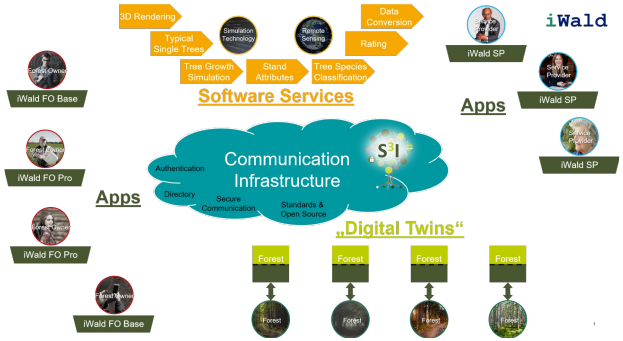
iWald | Forest growth simulation app



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.

PODROBNOSTI

IZVOR LESA
--

TIP LESA
--

VRSTA OBRAVNAVANEGA LESA
--

VPLIV NA OKOLJE IN BIODIVERZITETO
Economic, ecological and social forest functions are integrated into the apps decision support system.

VPLIV NA PRIHODKE
--

POTENCIAL IZKORIŠČANJA
--

VOZLIŠČE
Srednje-zahodno vozlišče

GOSPODARSKI VPLIV
--

POTREBNO SPECIFIČNO ZNANJE

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

TRAJNOST - VREDNOST
Zelo pozitivno

ENOSTAVNOST IZVEDBE
The solution is not yet available on the market.

ENOSTAVNOST IZVEDBE - OCENJEVANJE
Težavno

KLJUČNI PREDPOGOJI
--

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI
--

VPLIV NA DELOVNA MESTA
--

STROŠKI IZVEDBE (EURO - €)
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VEČ PODROBNOSTI

IZZIV

1. Izboljšava odpornosti gozdov in prilagoditev na klimatske spremembe

DOMENA

Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemske storitve

TIP REŠITVE

Modeliranje, DSS, simulacija, optimizacija

KLJUČNE BESEDE

tree growth simulation

apps

private forest owners

service providers

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Nemčija

OBSEG UPORABE

Nacionalni

ZAČETNO IN KONČNO LETO

--

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

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POROČEVALEC

FBZ

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REFERENCES AND RESOURCES

SPLETNA STRAN

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

SPLETNA STRAN PROJEKTA

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

VIRI

REFERENCA PROJEKTA

iWald, funded by FNR under no. 22012818

LOGOTIP DOBRE PRAKSE

iWald

LOGOTIP GLAVNE ORGANIZACIJE

Institut für Mensch-Maschine-Interaktion

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

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

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