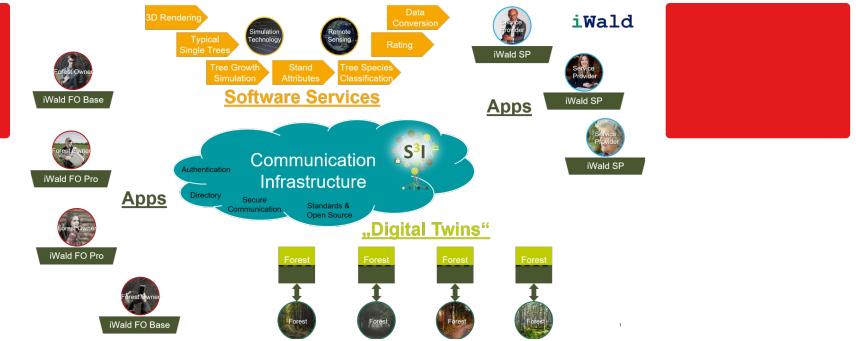


iWald | Forest growth simulation app



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.

DETAILS

HERKUNFT DES HOLZES

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

ART DES HOLZES

--
POTENZIAL FÜR NACHHALTIGKEIT - WERT
Sehr positiv

ART DES BETROFFENEN HOLZES

--
LEICHTE IMPLEMENTIERUNG
The solution is not yet available on the market.

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT

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

LEICHTE IMPLEMENTIERUNG - BEWERTUNG

Schwierig

EINKOMMENSEFFEKT

--
WICHTIGE VORAUSSETZUNGEN

VERWERTUNGSPOTENZIAL

--
ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

NABE

Drehscheibe Mitte-West

ARBEITSPLATZEFFEKT

WIRTSCHAFTLICHE AUSWIRKUNGEN

KOSTEN DER IMPLEMENTIERUNG (EURO - €)

--

SPEZIFISCHES WISSEN ERFORDERLICH

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
1. Verbesserung der Widerstandsfähigkeit der Wälder und ihrer Anpassung an den Klimawandel	Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz	Modellierung, DSS, Simulation, Optimierung
SCHLÜSSELWÖRTER	DIGITALE LÖSUNG	INNOVATION
tree growth simulation apps private forest owners service providers	Ja	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Deutschland	National	--

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REFERENCES AND RESOURCES

HAUPT-WEBSITE	RESSOURCEN
https://www.mmi.rwth-aachen.de/projekt/iwald/	
PROJEKT-WEBSITE	
https://kwf2020.kwf-online.de/portfolio/iwald/	
PROJEKT-REFERENZ	
iWald, funded by FNR under no. 22012818	

LOGO DER BEST PRACTICE



LOGO DER HAUPTORGANISATION



PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

12 Aug. 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



□