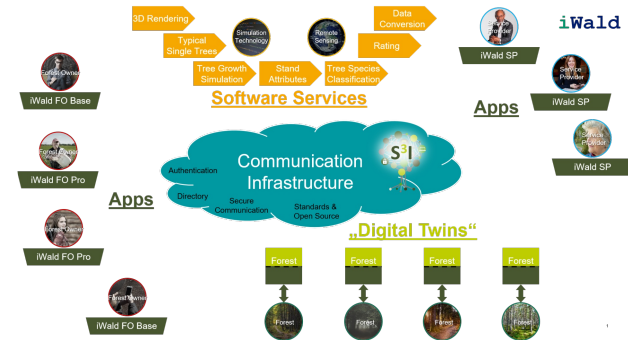


# iWald | Forest growth simulation app



*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

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### 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

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### 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

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### ÄGARE ELLER FÖRFATTARE

RWTH Aachen, Institute for Man-Machine Interaction

Dr.Ing. Martin Hoppen

hoppen@mmi.rwth-aachen.de

<https://www.mmi.rwth-aachen.de/en/research/applications/environment/>

### RAPPORTÖR

FBZ

Dr. Marie-Charlotte Hoffmann

marie-charlotte.hoffmann@wald-und-holz.nrw.de

## REFERENCES AND RESOURCES

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### 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

iWald



PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood 4.0

DATUM FÖR INLÄGG

12 aug 2021



Link to Rosewood 4.0



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

