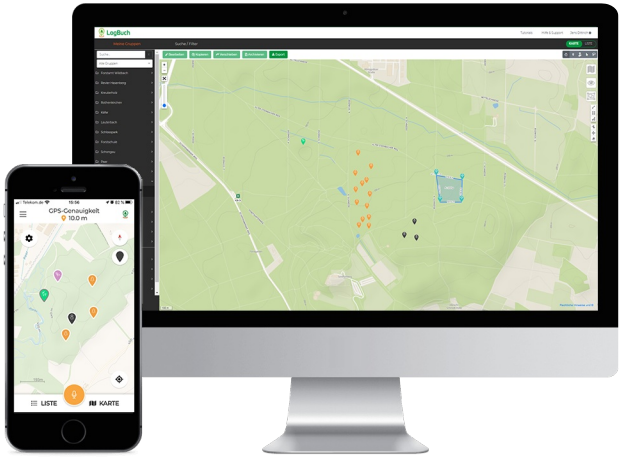
LogBuch | Simple and efficient forest data collection



Digital solution for forestry data collection and networking of all actors in the timber process chain. Offline in the outdoor area, comfortable use thanks to voice recording and intuitive operation through a practice-oriented menu navigation in the mobile app and the web application.

LogBuch enables data aggregation in the forest, a simple evaluation of the data and further processing. The combination of voice recording and Bluetooth button enables hands-free precise location of trees with simultaneous recording of important information about the tree, such as safety instructions or planning working procedures. The expected cut volume can be determined, and assortments planned. Foresters and harvester operators both receive detailed information (cross-linking with third party systems is supported). Technology: An A 2-frequency GNSS-receiver is connected to a smartphone to estimate the current position. A bluetooth button is used for language analysis. All spoken information can be recorded, automatically transcribed and classified, and the actual position lodged. WLAN is used for data exchange between smartphone, webserver and other users. Data can be exported as a map or table in georeferenced or not referenced formats (xlsx, GeoJson, shp, GPX, map). Applications: Preparation of timber harvesting, establishment of a digital "inventory", area mapping (also planting) by connecting recorded corner points, mapping of skid trails by the line function (harvest control or certification basis), remote navigation via Google Maps. In addition, recording of habitat trees etc., support for hunting organization (high seats, driven hunt stands, stalking routes etc.) and traffic safety measures.

DéTAILS

ORIGINE DU BOIS
Forêt

TYPE DE BOIS
Grume

TYPE DE BOIS CONCERNé
All types of wood

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

EFFET SUR LE REVENU
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POTENTIEL D'EXPLOITATION
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HUB
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IMPACT éCONOMIQUE
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

POTENTIEL DE MOBILISATION
Better and more efficient planning of mechanized timber harvest supports wood mobilization through cost reduction.

POTENTIEL DE DURABILITé - VALEUR
Positif

FACILITé D'IMPLéMENTATION
The solution is available on the market.

FACILITé D'IMPLéMENTATION - ÉVALUATION
Very Easy

PRéREQUIS CLéS
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TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE
Visite d'étude (T2.3)

EFFET SUR L'EMPLOI
In light of aging workforces, digital solutions are expected to make forestry jobs more attractive to the next generation. The app helps to qualify staff.

COûTS D'IMPLéMENTATION (EURO - €)
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CONNAISSANCES SPéCIFIQUES REQUISES

Low / the manual is quite self-explanatory

PLUS DE DéTAILS

DéFI CONCERNé

5. Accroître les performances économiques et environnementales de la chaîne logistique forestière

DOMAINE

Inventaire, diagnostic, monitoring

Getsion forestière, sylviculture, services écosystémiques, résilience

Récolte, infrastructure, logistique

TYPE DE SOLUTION

Machines et équipements intelligents

MOTS-CLéS

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SOLUTION DIGITALE

Oui

INNOVATION

Oui

PAYS D'ORIGINE

Allemagne

ECHELLE D'APPLICATION

Continentale

DéBUT ET FIN D'ANNéE

2017 -

INFORMATIONS DE CONTACT

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

https://logbuch.xyz/

SITE WEB DU PROJET

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RéFéRENCE DU PROJET

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RESSOURCES

Forstpraxis.de / Forest&Technology - "Please for dictation"

LogBuch - we digitalize the forest (video)

LOGO DE LA BONNE PRATIQUE

LOGO DE L'ORGANISATION PRINCIPALE

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

DATE DE PUBLICATION

12 aoû 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY