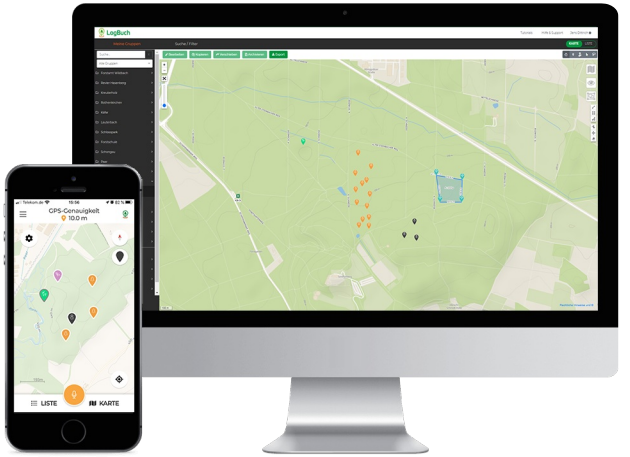
LogBuch | Simple and efficient forest data collection



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.

DETALII

SURSA DE LEMN
Pădure

TIPUL DE LEMN
Lemn masiv

TIPUL DE LEMN îN CAUZă
All types of wood

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

EFECT ASUPRA VENITURILOR
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POTENțIAL DE EXPLOATARE
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HUB
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IMPACT ECONOMIC
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

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

POTENțIAL DE SUSTENABILITATE - VALOARE
Pozitiv

FACILITATEA DE IMPLEMENTARE
The solution is available on the market.

FACILITATEA DE IMPLEMENTARE - EVALUARE
Very Easy

CONDIțII CHEIE PREALABILE
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TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB
Vizita de studiu (T2.3)

EFECT ASUPRA LOCURILOR DE MUNCă
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.

COSTURI PENTRU IMPLEMENTARE (EURO - €)
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CUNOȘTINȚE SPECIFICE NECESARE

Low / the manual is quite self-explanatory

MAI MULTE DETALII

PROVOCARE ABORDATă

5. Îmbunătățirea performanțelor economice și de mediu ale lanțurilor de aprovizionare cu păduri

DOMAIN

Inventariere, evaluare, monitorizare

Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență

Recoltare, infrastructură, logistică

TIP DE SOLUțIE

Mașini, echipamente inteligente

CUVINTE CHEIE

--

SOLUțIE DIGITALă

Da

INOVAțIE

Da

ȚARA DE ORIGINE

Germania

SCARA DE APLICARE

Continental

ANUL DE îNCEPUT șI DE SFâRșIT

2017 -

DATE DE CONTACT

PROPRIETAR SAU AUTOR

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REFERENCES AND RESOURCES

PAGINă WEB

https://logbuch.xyz/

WEBSITE PROJECT

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REFERINță PROIECT

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RESURSE

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

LogBuch - we digitalize the forest (video)

LogBuch
powered by STIHL

PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood 4.0

DATA POSTăRII

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