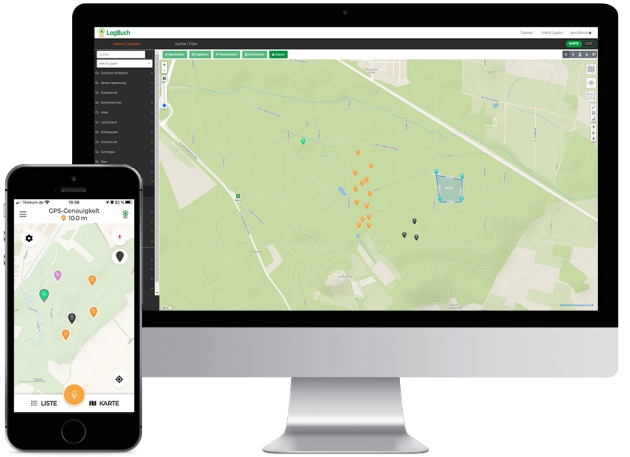
LogBuch | Simple and efficient forest data collection



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.

PODROBNOSTI

PôVOD DREVA
Les

DRUH DREVA
Kmeňové drevo

UVAžOVANý DRUH DREVA
All types of wood

VPLYV NA ŽIVOTNé PROSTREDIE A BIODIVERZITU
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

DOPAD NA PRíJMY
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POTENCIáL VYUžITIA
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ROZBOčOVAč
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EKONOMICKý VPLYV
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

MOBILZAčNý POTENCIáL
Better and more efficient planning of mechanized timber harvest supports wood mobilization through cost reduction.

POTENCIáL UDRžATEĽNOSTI - HODNOTA
Pozitívne

UĽAHčENIE IMPLMENTáCIE
The solution is available on the market.

UĽAHčENIE IMPLMENTáCIE - HODNOTENIE
Very Easy

KĽúčOVé PREPOKLADY
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TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANý
Návšteva v rámci štúdie (T2.3)

DOPAD NA ZAMESTNANOSť
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.

NáKLADY NA IMPLEMENTáCIU (EURO - €)
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POTREBA šPECIFICKýCH ZNALOSTí

Low / the manual is quite self-explanatory

VIAC INFORMáCIí

RIEšENá VýZVA

5. Zlepšenie hospodárskej a environmentálnej výkonnosti dodávateľských reťazcov v lesníctve

DOMAIN

Inventarizácia, posudzovanie, monitoring/monitorovanie

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolonosť

Ťažba, infraštruktúra, logistika

TYP RIEšENIA

Inteligentné stroje, zariadenia

KľúčOVé SLOVá

--

DIGITALNE RIEšENIE

áno

INOVáCIE

Áno

KRAJINA PôVODU

Nemecko

ROZSAH APLIKáCIE

Continental

ZAČIATOK A KONIEC ROKA

2017 -

KONTAKTNé úDAJE

VLASTNíK ALEBO AUTOR

SDP Digitale Produkte GmbH - LogBuch

Friedrich Hollmeier

friedrich.hollmeier@sdp-logbuch.de

https://logbuch.xyz/

REPORTéR

FBZ

Marie-Charlotte Hoffmann, Elke Hübner-Tennhoff

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

REFERENCES AND RESOURCES

HLAVNá WEBSTRáNKA

https://logbuch.xyz/

PROJEKTOVá WEBSTRáNKA

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REFERENCIA PROJEKTU

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ZDROJE

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

LogBuch - we digitalize the forest (video)

LOGO NAJLPEŠEJ PRAXE

LOGO HLAVNEJ ORGANIZáCIE

PROJEKT, V RáMCI KTORéHO BOL TENTO INFORMAčNý PREHľAD VYTVORENý

Rosewood 4.0

DáTUM ODOSLANIA

12 aug 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY