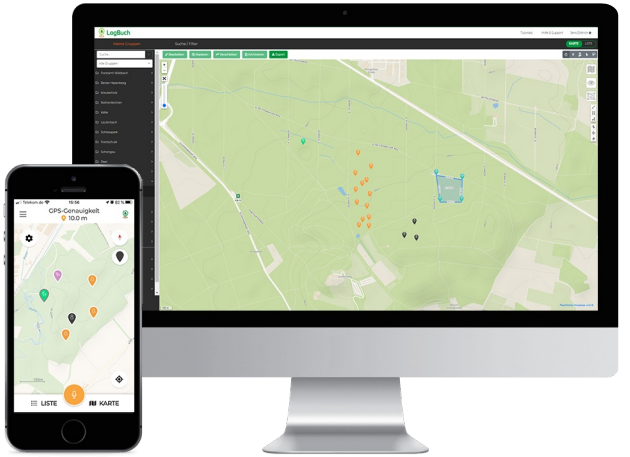
LogBuch | Simple and efficient forest data collection



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.

DETAILS

HERKUNFT DES HOLZES
Wald

ART DES HOLZES
Stammholz

ART DES BETROFFENEN HOLZES
All types of wood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

EINKOMMENSEFFEKT
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VERWERTUNGSPOTENZIAL
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NABE
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WIRTSCHAFTLICHE AUSWIRKUNGEN
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

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

POTENZIAL FüR NACHHALTIGKEIT - WERT
Positiv

LEICHTE IMPLEMENTIERUNG
The solution is available on the market.

LEICHTE IMPLEMENTIERUNG - BEWERTUNG
Very Easy

WICHTIGE VORAUSSETZUNGEN
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ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
Studienaufenthalt (T2.3)

ARBEITSPLATZEFFEKT
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.

KOSTEN DER IMPLEMENTIERUNG (EURO - €)
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SPEZIFISCHES WISSEN ERFORDERLICH

Low / the manual is quite self-explanatory

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

5. Verbesserung der wirtschaftlichen und ökologischen Leistung der forstwirtschaftlichen Forstlieferketten

DOMäNE

Bestandsaufnahme, Bewertung, Überwachung

Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz

Holzernte, Infrastruktur, Logistik

ART DER LöSUNG

Intelligente Maschinen, Ausrüstung

SCHLüSSELWöRTER

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DIGITALE LöSUNG

Ja

INNOVATION

Ja

HERKUNFTSLAND

Deutschland

UMFANG DER ANWENDUNG

Kontinental

ANFANGS- UND ENDJAHR

2017 -

KONTAKTDATEN

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REFERENCES AND RESOURCES

HAUPT-WEBSITE

https://logbuch.xyz/

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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RESSOURCEN

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

LogBuch - we digitalize the forest (video)

LOGO DER BEST PRACTICE

LOGO DER HAUPTORGANISATION

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY