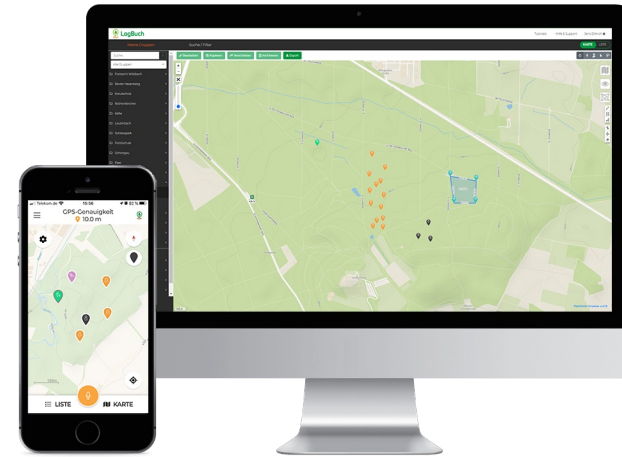


# LogBuch | Simple and efficient forest data collection



*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

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### 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

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### 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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### EIGENTÜMER ODER AUTOR

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## REFERENCES AND RESOURCES

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### 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

12 Aug. 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

