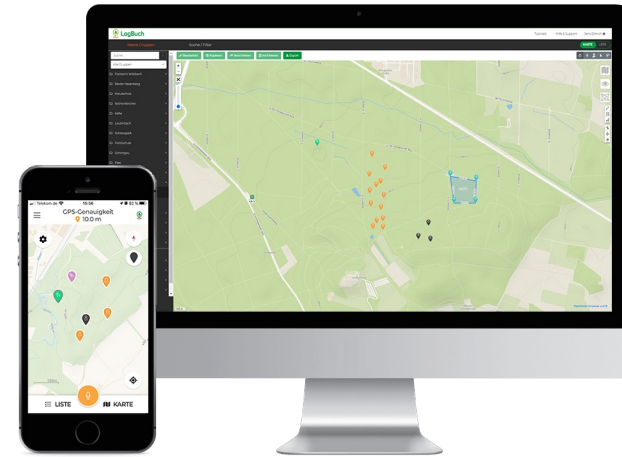


# LogBuch | Simple and efficient forest data collection



*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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### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

Stemwood

### KIND OF WOOD CONCERNED

All types of wood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

### INCOME EFFECT

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### EXPLOITATION POTENTIAL

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### HUB

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### ECONOMIC IMPACT

Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

### MOBILIZATION POTENTIAL

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

### SUSTAINABILITY POTENTIAL - VALUE

Positive

### EASE OF IMPLEMENTATION

The solution is available on the market.

### EASE OF IMPLEMENTATION - EVALUATION

Very Easy

### KEY PREREQUISITES

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### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

Study visit (T2.3)

### JOB EFFECT

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.

### COSTS OF IMPLEMENTATION ( EURO - € )

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## **SPECIFIC KNOWLEDGE NEEDED**

Low / the manual is quite self-explanatory

## MORE DETAILS

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### CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

### DOMAIN

Inventory, monitoring  
Forest management, ecosystem, resilience  
Harvesting, infrastructure, logistics

### TYPE OF SOLUTION

Smart machinery, equipment

### KEYWORDS

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### DIGITAL SOLUTION

Yes

### INNOVATION

Yes

### COUNTRY OF ORIGIN

Germany

### SCALE OF APPLICATION

Continental

### START AND END YEAR

2017 -

## CONTACT DATA

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### OWNER OR AUTHOR

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## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://logbuch.xyz/>

### PROJECT WEBSITE

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### PROJECT REFERENCE

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### RESOURCES

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

**LogBuch - we digitalize the forest (video)**

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

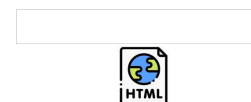
Rosewood 4.0

POST DATE

12 Aug 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

