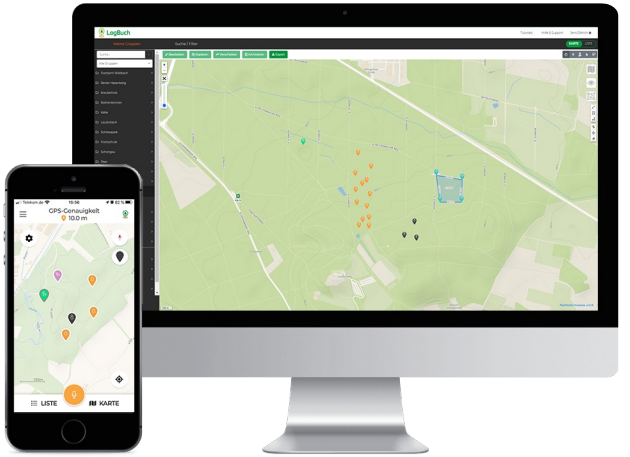
# LogBuch | Simple and efficient forest data collection




***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.

## DETALHES

### ORIGEM DA MADEIRA
Floresta

### TIPO DE MADEIRA
Tronco

### TIPO DE MADEIRA EM CAUSA
All types of wood

### IMPACTE NO AMBIENTE E BIODIVERSIDADE
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

### IMPACTE NAS RECEITAS
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### POTENCIAL DE EXPLORAçãO
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### HUB
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### IMPACTE ECONOMICO
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

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

### SUSTENTABILIDADE POTENCIAL - VALOR
Positivo

### FACILIDADE DE IMPLEMENTAçãO
The solution is available on the market.

### FACILIDADE DE IMPLEMENTAçãO
Very Easy

### PRE-REQUISITOS CHAVE
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### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO
Visita de estudo (T2.3)

### IMPACTE NO EMPREGO
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.

### CUSTOS DE IMPLEMENTAçãO (EURO - EUR)
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CONHECIMENTOS ESPECIFICOS NECESSáRIOS

Low / the manual is quite self-explanatory

## MAIS DETALHES

DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

DOMíNIO

Inventário, avaliação e monitorização

Gestão florestal, silvicultura, serviços do ecosistema, resiliencia

Cortes, infraestruturas e logistica

TIPO DE SOLUçãO

Maquinaria inteligente, equipamento

PALAVRAS-CHAVE

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SOLUçãO DIGITAL

Sim

INOVAçãO

Sim

PAíS DE ORIGEM

Alemanha

ESCALA DE APLICAçãO

Continental

ANO DE INíCIO E FIM

2017 -

## DADOS DE CONTACTO


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## REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

https://logbuch.xyz/

WEBSITE DO PROJETO

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REFERêNCIA AO PROJETO

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RECURSOS

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

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

## LOGOTIPO DA BOA PRáTICA

## LOGOTIPO DA ORGANIZAçãO PRINCIPAL

### PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood 4.0

### DATA DE ENTRADA

12 Ago 2021

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### A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY