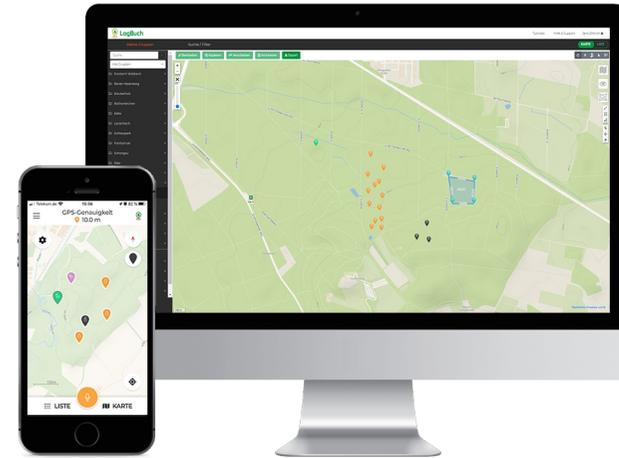


# LogBuch | Simple and efficient forest data collection



*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.

## DETALLES

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### ORIGEN DE LA MADERA

Bosque

### TIPO DE MADERA

Madera en rollo

### TIPO DE MADERA AFECTADA

All types of wood

### IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

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

### EFECTO SOBRE LOS INGRESOS

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### POTENCIAL DE EXPLOTACIÓN

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### HUB

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### IMPACTO ECONÓMICO

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

### POTENCIAL DE MOVILIZACIÓN

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

### POTENCIAL DE SOSTENIBILIDAD - VALOR

Positivo

### FACILIDAD DE APLICACIÓN

The solution is available on the market.

### FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

Very Easy

### PREREQUISITOS CLAVE

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### TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

Visita de estudio (T2.3)

### EFECTO SOBRE EL EMPLEO

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.

### COSTES DE IMPLEMENTACIÓN (EURO - €)

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**CONOCIMIENTOS ESPECÍFICOS NECESARIOS**

Low / the manual is quite self-explanatory

## MÁS DETALLES

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### RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

### PALABRAS CLAVE

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### PAÍS DE ORIGEN

Alemania

### DOMINIO

Inventario, evaluación, seguimiento  
Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia  
Aprovechamiento, infraestructura, logística

### SOLUCIÓN DIGITAL

Sí

### ESCALA DE APLICACIÓN

Continental

### TIPO DE SOLUCIÓN

Maquinaria y equipos inteligentes

### INNOVACIÓN

Si

### AÑO DE INICIO Y FIN

2017 -

## DATOS DE CONTACTO

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### PROPIETARIO O AUTOR

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### REPORTADOR

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## REFERENCES AND RESOURCES

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### SITIO WEB PRINCIPAL

<https://logbuch.xyz/>

### SITIO WEB DEL PROYECTO

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### REFERENCIA DEL PROYECTO

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### RECURSOS

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

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

LOGO DE LA BUENA PRÁCTICA

LOGOTIPO DE LA ORGANIZACIÓN PRINCIPAL



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA  
Rosewood 4.0

FECHA DE MENSAJE  
12 Ago 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

