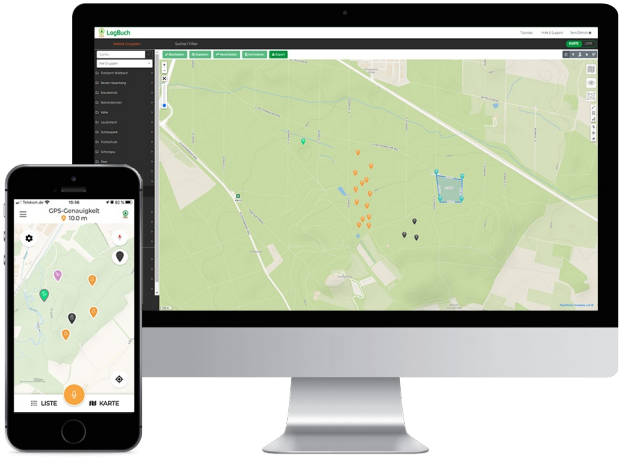
LogBuch | Simple and efficient forest data collection



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

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
--

HUB
--

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

RETO ABORDADO

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

DOMINIO

Inventario, evaluación, seguimiento

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

Aprovechamiento, infraestructura, logística

TIPO DE SOLUCIóN

Maquinaria y equipos inteligentes

PALABRAS CLAVE

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SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Alemania

ESCALA DE APLICACIóN

Continental

AñO DE INICIO Y FIN

2017 -

DATOS DE CONTACTO

PROPIETARIO O AUTOR

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REPORTADOR

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REFERENCES AND RESOURCES

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