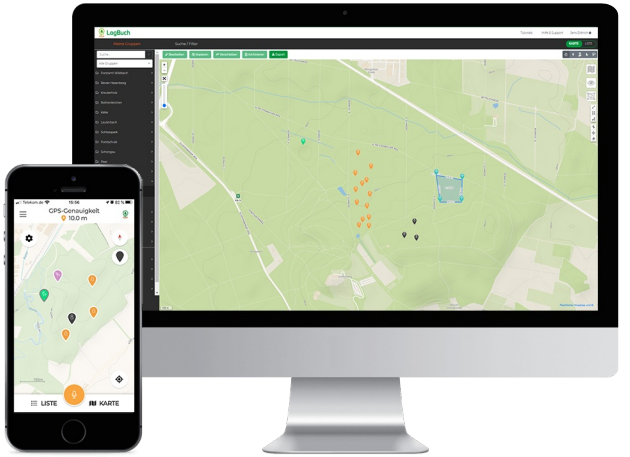
LogBuch | Simple and efficient forest data collection



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.

DETTAGLI

ORIGINE DEL LEGNO
foresta

TIPO DI LEGNO
Fusto

TIPO DI LEGNO IN QUESTIONE
All types of wood

IMPATTO SULL'AMBIENTE E LA BIODIVERSITà
Decreased damages protect the forest soil as an important part of the forest ecosystem. Efficient planning also reduces fuel consumption.

EFFETTO SUL REDDITO
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POTENZIALE DI SFRUTTAMENTO
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HUB
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IMPATTO ECONOMICO
Good planning reduces working time and fuel consumption, resulting in cost reductions for timber harvesting operators.

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

POTENZIALE SOSTENIBILITà - VALORE
Positivo

FACILITà DI IMPLEMENTAZIONE
The solution is available on the market.

FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE
Very Easy

PREREQUISITI CHIAVE
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TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO
Visita di studio (T2.3)

EFFETTO SUL LAVORO
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.

I COSTI DI ATTUAZIONE (EURO - €)
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CONOSCENZE SPECIFICHE NECESSARIE

Low / the manual is quite self-explanatory

Più DETTAGLI

SFIDA RISOLTA

5. Migliorare le prestazioni economiche e ambientali delle filiere forestali

DOMINIO

Inventario, la valutazione, il monitoraggio
La gestione forestale, selvicoltura, i servizi ecosistemici, resilienza
La raccolta, le infrastrutture, la logistica

TIPO DI SOLUZIONE

macchine intelligenti, attrezzature

PAROLE CHIAVE

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SOLUZIONE DIGITALE

Sì

INNOVAZIONE

Sì

PAESE D'ORIGINE

Germania

SCALA DI APPLICAZIONE

Continentale

INIZIO E FINE ANNO

2017 -

CONTATTI

PROPRIETARIO O AUTORE

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REFERENCES AND RESOURCES

SITO PRINCIPALE

https://logbuch.xyz/

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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RISORSE

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

LogBuch - we digitalize the forest (video)

LOGO DELLE MIGLIORI PRATICHE

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

12 Ago 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY