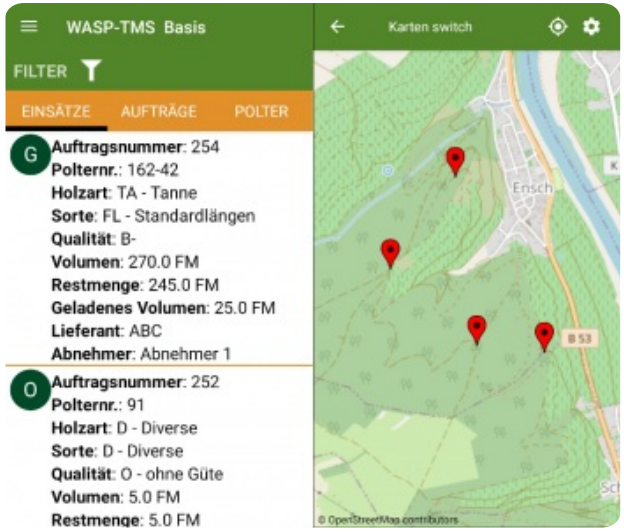
WASP | Wood logistics platform



Using the WASP's wood logistics platform, all actors involved in the forest and timber supply chain can improve the planning horizon to optimise the supply chain across companies.

The forest and timber industry is one of the leading industries in Germany, with 1.3 million people employed and annual sales of €181 billion. This sector is also characterised, however, by relatively low returns on its sales. Cost-reduction potentials can be realized if flows of material and informationare optimised. Using the WASP's wood logistics platform, all actors involved in the forest and timber supply chain can improve the planning horizon to optimise the supply chain across companies. Based on modern cloud technology, the WASP logistics platform seeks to interlink established software solutions with newly developed modules. It uses geodata to register and manage wood piles, and satellite navigation is integrated for use in timber transport. Wood piles can be captured by cameras, automatically geocoded, and transferred to the platform. In addition, the platform allows to handle dispatching with support for GPS (and in the future, Galileo) signals by retrieving vehicles' geocoordinates in real-time using mobile receivers, transferring them to the platform, and displaying positions and locations on a map. Integrated online map services like Navlog, OpenStreetMap (OSM), ArcGIS (ESRI), and Google Maps are also featured. The core advantage of WASP, meanwhile, is its integration of software applications that are already used in various sections along the entire value chain.

PODROBNOSTI

IZVOR LESA

Gozd

TIP LESA

Okrogli les

VRSTA OBRAVNAVANEGA LESA

--

VPLIV NA OKOLJE IN BIODIVERZITETO

--

VPLIV NA PRIHODKE

--

POTENCIAL IZKORIŠČANJA

--

VOZLIŠČE

--

GOSPODARSKI VPLIV

WASP saves money by reducing working time and fuel consumption

POTREBNO SPECIFIČNO ZNANJE

Low, the set-up is user-friendly

POTENCIAL ZA MOBILIZACIJO

High

TRAJNOST - VREDNOST

--

ENOSTAVNOST IZVEDBE

The interoperability with software applications that are already used in various sections makes the implementation easy

ENOSTAVNOST IZVEDBE - OCENJEVANJE

--

KLJUČNI PREDPOGOJI

--

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

--

VPLIV NA DELOVNA MESTA

--

STROŠKI IZVEDBE (EURO - €)

--

VEČ PODROBNOSTI

IZZIV

5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige

DOMENA

Sečnja in spravilo, infrastruktura, logistika

TIP REŠITVE

Platorma za sodelovanje, logistični centri

KLJUČNE BESEDE

modular logistics platform

dispatching

software integration

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Nemčija

OBSEG UPORABE

Čezmejni / Transnacionalni

ZAČETNO IN KONČNO LETO

2012 -

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

WASP-Logistik GmbH

Florian Lange, Ursula Fendel

info@wasp-logistik.de

https://www.wasp-logistik.de/englisch.html

POROČEVALEC

Forestry Education Center North-Rhine Westphalia

Dr. Marie-Charlotte Hoffmann

marie-charlotte.hoffmann@wald-und-holz.nrw.de

REFERENCES AND RESOURCES

SPLETNA STRAN

https://www.wasp-logistik.de/produkte.html

SPLETNA STRAN PROJEKTA

--

REFERENCA PROJEKTA

--

VIRI

--

LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE

WASP

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

16 Dec 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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

Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León

EFI