AVATAR | Advanced Virtual Aptitude and Training Application in Real Time



Machine control systems and sensor technology compile directed feedback to guide the operator towards more balanced working methods and techniques.

A digital coaching, assistance and feedback system is designed to improve the productivity and job satisfaction of forest machine operators with reduced mental stress and to make the training of junior staff more attractive and efficient. The overall objective is to make recommendations for the future development and implementation of an operator interface with optimal timing of feedback interpretation for decision support. The prototype of the digital coach will be integrated in forestry machines in Germany and Scandinavia and will also be used as a test environment in the simulators at FBZ. In the evaluation of the use cases the improvement of the forest-wood logistics chain will be critically assessed. In addition, the evaluation will assess how well the project meets the market requirements. The project consortium's approach to training is to ensure that the knowledge acquired can be optimally applied by the users.

MER INFORMASJON

UTFORDRING ADRESSERT

5. Forbedre den økonomiske og miljømessige ytelsen i skogbrukets forsynings kjede

DOMENE

Avvirkning, infrastruktur, logistikk

Forskning og utvikling

TYPE LøSNING

Smarte maskiner og utstyr

NøKKELORD

--

DIGITAL LøSNING

Ja

INNOVASJON

Ja

OPPRINELSESLAND

Tyskland

POTENSIALE

Grenseoverskridende/transnasjonal

START OG SLUTT åR

2019 - 2021

KONTAKT INFORMASJON

EIER ELLER FORFATTER

Georg-August Universität Göttingen

Dirk Jaeger

dirk.jaeger@uni-goettingen.de

RAPPORTøR

Landesbetrieb Wald und Holz NRW

Thilo Wagner

thilo.wagner@wald-und-holz.nrw.de

REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

http://www.avatar.uni-goettingen.de/

PROSJEKTETS HJEMMESIDE

https://forestvalue.org/funded-projects-jc-2017/

REFERANSE TIL PROSJEKT

ERA-NET Cofund ForestValue by Fachagentur Nachwachsende Rohstoffe (FNR, Germany), Forskningsradet (The Research Council of Norway), VINNOVA, The Swedish Innovation Agency. ForestValue has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 773324.

RESSURSER

AVATAR project presentation

PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

31 okt 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