

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.

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

5. Verbesserung der wirtschaftlichen und ökologischen Leistung der forstwirtschaftlichen Forstlieferketten

SCHLÜSSELWÖRTER

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HERKUNFTSLAND

Deutschland

DOMÄNE

Holzernte, Infrastruktur, Logistik
Forschung und Entwicklung

DIGITALE LÖSUNG

Ja

UMFANG DER ANWENDUNG

Grenzüberschreitend/multilateral

ART DER LÖSUNG

Intelligente Maschinen, Ausrüstung

INNOVATION

Ja

ANFANGS- UND ENDJAHR

2019 - 2021

KONTAKTDATEN

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REFERENCES AND RESOURCES

HAUPT-WEBSITE

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

PROJEKT-WEBSITE

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

PROJEKT-REFERENZ

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

RESSOURCEN

AVATAR project presentation

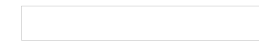
agreement N° 773324.

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

31 Okt. 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

