

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.

PLUS DE DÉTAILS

DÉFI CONCERNÉ	DOMAINE	TYPE DE SOLUTION
5. Accroître les performances économiques et environnementales de la chaîne logistique forestière	Récolte, infrastructure, logistique Recherche et développement	Machines et équipements intelligents
MOTS-CLÉS	SOLUTION DIGITALE	INNOVATION
--	Oui	Oui
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DÉBUT ET FIN D'ANNÉE
Allemagne	Transfrontalière/Multilatérale	2019 - 2021

INFORMATIONS DE CONTACT

PROPRIÉTAIRE OU AUTEUR

Georg-August Universität Göttingen

Dirk Jaeger

dirk.jaeger@uni-goettingen.de

RAPPORTEUR

Landesbetrieb Wald und Holz NRW

Thilo Wagner

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

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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

SITE WEB DU PROJET

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

RÉFÉRENCE DU PROJET

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.

RESSOURCES

AVATAR project presentation

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRééE

Rosewood 4.0

DATE DE PUBLICATION

31 oct 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

