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.

MORE DETAILS

CHALLENGE ADDRESSED	DOMAIN	TYPE OF SOLUTION
5 Enhance economic and environmental	Harvesting, infrastructure, logistics	Smart machinery, equipment
performance of forest supply chains	Research and development	
KEYWORDS	DIGITAL SOLUTION	INNOVATION
	Yes	Yes
COUNTRY OF ORIGIN	SCALE OF APPLICATION	START AND END YEAR
Germany	Cross-border/multi-lateral (several countries)	2019 - 2021

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REFERENCES AND RESOURCES

MAIN WEBSITE

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

PROJECT WEBSITE

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

PROJECT REFERENCE

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RESOURCES

AVATAR project presentation

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



