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.

MáS DETALLES

RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

DOMINIO

Aprovechamiento, infraestructura, logística

Investigación y desarrollo

TIPO DE SOLUCIóN

Maquinaria y equipos inteligentes

PALABRAS CLAVE

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SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Alemania

ESCALA DE APLICACIóN

Transfronterizo/multilateral

AñO DE INICIO Y FIN

2019 - 2021

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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

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

SITIO WEB DEL PROYECTO

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

RECURSOS

AVATAR project presentation

REFERENCIA DEL PROYECTO

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY