EXTRAFOR | Exoskeletons for forest works



The Extrafor project aims to reduce the drudgery of logging by creating an exoskeleton adapted to the needs of manual logging.

The mechanization rate for harvesting hardwood stands is only 10% and mechanization in silviculture is very limited. Many operators report musculoskeletal disorders.The use of exoskeletons in the forest would make it possible to assist the operators in their work, it would make their task easier while aiming to preserve their health, without of course compromising their safety. It is a hybrid solution that combines the acuity of manual work with the strength and endurance of a machine, while obviously remaining affordable. Equipping field workers with ergonomic exoskeletons, adapted to work in the forest is an intermediate and complementary solution between mechanisation and manual work, allowing the unblocking of certain difficult situations. Seeking to increase human capacity instead of replacing it is also a way of meeting the various expectations of citizens (maintaining jobs in rural areas, social acceptability of forest sites) and of enhancing the value of work in the forest (and the sector) by promoting this type of initiative.

MAI MULTE DETALII

PROVOCARE ABORDATă

4. Asigurarea unei forțe de muncă bine pregătite prin dezvoltarea unor competențe atractive și prin educație

DOMAIN

Recoltare, infrastructură, logistică

TIP DE SOLUțIE

Mașini, echipamente inteligente

CUVINTE CHEIE

Exploitation

mechanisation

penibility

SOLUțIE DIGITALă

Nu

INOVAțIE

Da

ȚARA DE ORIGINE

Franţa

SCARA DE APLICARE

Național

ANUL DE îNCEPUT șI DE SFâRșIT

2017 - 2020

DATE DE CONTACT

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REFERENCES AND RESOURCES

PAGINă WEB

https://www.fcba.fr/travaux/extrafor-exosquelettes-pour-le-travail-en-foret/

WEBSITE PROJECT

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REFERINță PROIECT

RESURSE

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DESPRE EXEMPLUL DE BUNă PRACTICă

A PRINCIPALEI ORGANIZAțII

FCBA INSTITUT TECHNOLOGIQUE

PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood 4.0

DATA POSTăRII

13 Aug 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León