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.

MER INFORMASJON

UTFORDRING ADRESSERT

4. Sikre en kompetent arbeidsstyrke gjennom attraktiv ferdighetsutvikling og utdanning

DOMENE

Avvirkning, infrastruktur, logistikk

TYPE LØSNING

Smarte maskiner og utstyr

NØKKELORD

Exploitation

mechanisation

penibility

DIGITAL LØSNING

Nei

INNOVASJON

Ja

OPPRINELSESLAND

Frankrike

POTENSIALE

Nasjonal

START OG SLUTT åR

2017 - 2020

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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https://www.fcba.fr/travaux/technologies-de-linformation-et-de-la-communication-pour-lexploitation/

RAPPORTØR

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REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

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

PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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RESSURSER

LOGO FOR BESTE PRAKSIS

LOGO FOR HOVEDORGANISASJON

FCBA INSTITUT TECHNOLOGIQUE

PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

13 aug 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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Link to Rosewood 4.0

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